# ART HISTORY

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# ART HISTORY

# MARILYN STOKSTAD

Judith Harris Murphy Distinguished Professor of Art History Emerita The University of Kansas

## MICHAEL W. COTHREN

Scheuer Family Professor of Humanities Department of Art, Swarthmore College

#### **CONTRIBUTORS**

Frederick M. Asher, Douglass Bailey, David A. Binkley, Claudia L. Brittenham, Claudia Brown, Patricia J. Darish, Patricia J. Graham, and D. Fairchild Ruggles

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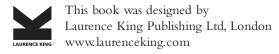
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## PREFACE

This new edition of Art History is the result of a happy and productive collaboration between two scholar-teachers who share a common vision. In certain ways, we also share a common history. Neither of us expected to become professors of art history. Marilyn Stokstad took her first art history course as a requirement of her studio arts program. Michael Cothren discovered the discipline almost by chance during a semester abroad in Provence when a painting instructor sent him on a field trip to learn from the formal intricacies of Romanesque sculpture. Perhaps as a result of the unexpected delight we found in these revelatory formative experiences, we share a conviction that first courses in the history of art should be filled with as much enjoyment as erudition, that they should foster an enthusiastic, as well as an educated, public for the visual arts. With this end firmly in mind we will continue to create books intended to help students enjoy learning the essentials of a vast and complex field of study. For millennia human beings have embodied their most cherished ideas and values in visual and tangible form. We have learned that by engaging with these works from the past, we can all enrich our lives in the present, especially because we are living in a present when images have become an increasingly important aspect of how we communicate with each other.

Like its predecessors, this new edition seeks to balance formal and iconographic analysis with contextual art history in order to craft interpretations that will engage with a diverse student population. Throughout the text, the visual arts are treated as part of a larger world, in which geography, politics, religion, economics, philosophy, social life, and the other fine arts were related components of a vibrant cultural landscape. Art and architecture have played a central role in human history, and they continue to do so today. Our book will fulfill its purpose if it introduces a broad spectrum of students to some of the richest human achievements created through the centuries and across the globe, and if it inspires those students both to respect and to cherish their historical legacy in the visual arts. Perhaps it will convince some to dedicate themselves to assuring that our own age leaves a comparable artistic legacy, thereby continuing the ever evolving history of art.

### So ... Why Use This New Edition?

We believe that even an established introductory art history text should continually respond to the changing needs of its audience—both students and educators. In this way it is more likely to make a greater difference in the role that art can and will assume in its readers' lives, both at the time of use and long into the future—indeed, long after the need for the next revision arises.

Our goal was to make this revised text an improvement over its earlier incarnations in sensitivity, readability, and accessibility without losing anything in comprehensiveness, in scholarly precision, or in its ability to engage the reader. Incorporating feedback from our many users and reviewers, we believe we have succeeded.

# SOME HIGHLIGHTS OF THE NEW EDITION INCLUDE THE FOLLOWING:

- Every chapter now opens with a Learn About It feature (key learning objectives) and ends with a corresponding set of Think
   About It questions that probe back to the objectives and help students think through and apply what they have learned.
- The chapters are keyed to **MyArtsLab** resources that enrich and reinforce student learning (see p. xviii).
- Newly colorized line art and 3D renderings throughout the book provide the opportunity for students to better visualize architectural principles and key art processes.
- New Recovering the Past boxes document the discovery, restoration, or conservation of works of art. Some examples include discussions of the Rosetta stone, the Riace bronzes, and the Sutton Hoo find.
- There is **increased contextual emphasis** now visible with the linking of three key box categories by means of a "target" icon:
  - The new Closer Look feature, at the center of the target, pulls in for more specificity within the work of art itself, helping the student understand issues of usage, iconography, and style.
  - The **Object Speaks** box focuses on an in-depth contextual treatment of a work of art.
  - The Art and Its Contexts feature at the outer ring of the target represents discussions of ideas about art that are placed within the broad context of the chapter, or the history of art in general.
- Global coverage has been deepened with the addition of new works of art and revised discussions that incorporate new scholarship.
- A new series of maps has been created to enhance the clarity and accuracy of the relationship between the art discussed and its geographical location and political affiliation.
- Throughout, images have been updated whenever new and improved images were available. New works have been added to the discussion in many chapters to enhance and enrich what is said in the text.
- The language used to characterize works of art—especially those that attempt to capture the lifelike appearance of the natural world—has been refined and clarified to bring greater precision and nuance.
- In response to readers' requests, discussion of many major monuments has been expanded. For example, the Palette of

- Narmer, Sainte Chapelle, Bosch's Garden of Earthly Delights, and the Contarelli Chapel.
- Several chapters have been reorganized for greater clarity and coherence. Prehistoric Art is now global in scope, the early nineteenth century has been incorporated into the chapter containing the eighteenth century to avoid breaking up the discussion of Neoclassicism and Romanticism, and the last two chapters now break at 1950.
- In keeping with this book's tradition of inclusivity, an even broader spectrum of media is addressed here, with expanded attention, for example, to Gothic stained glass, Renaissance tapestries, and Nava jo textiles.

#### **NEW SCHOLARSHIP**

Over the many years we have taught undergraduate beginners, we have always enjoyed sharing—both with our students and our

fellow educators—the new discoveries and fresh interpretive perspectives that are constantly enriching the history of art. We relished the opportunity here to incorporate some of the latest thinking and most recent discoveries—whether this involved revising the dating and interpretation of well-known Prehistoric monuments like Stonehenge (fig. 1–21), presenting fascinating new recreations of familiar masterworks such as the "colorized" Aegina archer from Ancient Greece (p.113), or including a new theory on the meaning of Jan van Eyck's masterful Double Portrait (fig. 18–1). Indeed, changes have been made on many levels—from the introduction to the bibliography, and from captions to chapter introductions. Every change aims to make the text more useful to the instructors and more vibrant for the students in today's art history classrooms.



#### **Chapter by Chapter Revisions**

Some of the key highlights of this new edition include the following:

#### Introduction

Completely rewritten, the introduction orients students to the process and nature of art historical investigation that underlies and, in essence, produced the historical narrative of the text itself.

#### **Chapter 1: Prehistoric Art**

Extensive revisions reflect the most current scholarship and broaden scope to global coverage. Key sections of the chapter rewritten to accommodate up-to-date interpretations, with new objects included. Thorough reworking of Stonehenge incorporates new thinking about the monument and landscape. Çatalhöyük and 'Ain Ghazal moved to this chapter.

#### **Chapter 2: Art of the Ancient Near East**

New chapter opener with *Stele of Naram-Sin* sets the stage for the chapter material. An historical photograph with a view of the guardian figures from the Citadel of Saragon II places the monument in context. New "Object Speaks" box on the "Great Lyre" includes a discussion of its archaeological discovery. Treatment of key monuments expanded.

#### Chapter 3: Art of Ancient Egypt

Historical and contextual material reduced to allow for richer discussions of the works of art. Sphinx moved from the Introduction to this chapter. Discussion of the Egyptian canon/grid system refined and updated. New images include stele of the sculptor Userwer and statue of Queen Karomama in the Louvre.

#### Chapter 4: Art of the Ancient Aegean

Completely revised discussion of Cycladic figures in light of recent research, including two new figures. Reworked Knossos complex text acknowledges its probable role as a ceremonial center. Treatment of *Harvester Rhyton* expanded. New box on Schliemann and the "Mask of Agamemnon" outlines reasons for suspicions about both. Discussion of Mycenaean tombs reorganized to include metalwork found in the shaft graves, with tholos tombs explanation now following.

#### **Chapter 5: Art of Ancient Greece**

Historical preludes reduced to focus on cultural and historical factors related to the history of art. Reorganized for greater clarity and coherence, including box placement. Expanded discussion of Aegina architecture and sculpture, and box on color in Greek sculpture focuses on Aegina, thus making it a model analysis for the basic points in architecture and architectural sculpture. Moved ceramic painting technique box to Archaic section in relation to the vessels where most relevant and added detailed views of use of each technique.

#### Chapter 6: Etruscan and Roman Art

Expanded treatment of the Etruscans with addition of a wall painting, a sarcophagus lid, and the *Ficoroni Cista*. Added clarity to discussions of representational modes—classicizing and veristic. Added box on portraiture using the Polybius text and the *Barberini Togatus*. Expanded treatment of tetrarchic sculpture, concentrating on introduction of a new ideal along with verism and classicism. Reorganized discussion of Constantinian art.

#### Chapter 7: Jewish, Early Christian, and Byzantine Art

New chapter opener introduces the eclecticism of Byzantine art and foregrounds the continuity of the classical heritage in the Byzantine world. Expanded treatment of Jewish art. Extensively revised Ravenna monuments, especially San Vitale. Reorganized Middle Byzantine discussion for clearer sense of chronology as well as geography. Much expanded section on the Chora church as a late Byzantine monument.

#### Chapter 8: Islamic Art

Revised to bring greater emphasis on art and society with simpler historical periodization. New chapter opener features *Maqamat* image of a preacher in a mosque, with many new images of art and architecture throughout. Expanded material on Mughal South Asia. Added new box on the topic of ornament with exemplary illustrations. New "Object Speaks" with in-depth explanation of the Mosque at Cordoba.

#### Chapter 9: Art of South and Southeast Asia before 1200

New coverage of sites, including Bamiyan whose Buddha images were destroyed in 2001. Period divisions updated for greater clarity and comprehension.

#### Chapter 10: Chinese and Korean Art before 1279

New illustrations of bronze-casting technique for improved understanding of process. New images include Neolithic cong, bronze *guang* Tang equestrian pair, and detail of *Admonitions of the Imperial Instructress to Court Ladies*. "A Closer Look" examines in detail a section of stone relief in Wu family shrine.

#### Chapter 11: Japanese Art before 1333

New illustrations and discussion of art and architecture at the Great Buddha Hall (*Daibutsuden*) at Todaiji in "Recovering the Past" box. New discussion of Japan in the eighth century as the eastern terminus of the Silk Route. Increased emphasis on Japan's native religion of Shinto with addition of a Shinto painting. Expanded discussion of Chinese emigrant monks and their influence in section on Zen art.

#### Chapter 12: Art of the Americas before 1300

Substantially revised and updated sections on Mesoamerican and ancient Andean art. New images include Maya stela, Moche portrait vessel, Olmec sculptural offering, and cylinder vase with image of the Maya ballgame. Expanded discussion of Maya hieroglyphic writing.

#### Chapter 13: Early African Art

Revised and expanded discussion of Ife portraiture to emphasize idea that among earliest known examples of African sculpture, naturalistic representations of human body were not uncommon. Added treatment of the Ethiopian ancient sites of Lalibela, Gondar and Aksum. Fifteenth-century ivory hunting horn speaks to European contact and trade to west and central Africa that included the export of objects made in Africa for European aristocracy.

#### Chapter 14: Early Medieval Art in Europe

Added new "Recovering the Past" box on the Sutton Hoo find. New "Object Speaks" box on the Lindisfarne Gospels allows comparison between the Matthew portrait and the Ezra from the Codex Amiatinus. Moved reduced discussion of Vikings before the Carolingians to permit continuity between Carolingians and Ottonians. Carolingian discussion enhanced with addition of bronze equestrian emperor, Corvey façade, new drawing of Aachen chapel, and expanded Saint Gall plan.

#### **Chapter 15: Romanesque Art**

Abbreviated and condensed historical discussions not directly related to the situation in the art. Added Canigou to flesh out and clarify the opening discussion of "First Romanesque." Discussion of painting and mosaics at San Clemente in Rome and Saint-Savin-sur-Gartempe moved from a media-based section to the discussion of the buildings themselves. Expanded discussion of Moissac to give sense of one ensemble in some detail.

# Chapter 16: Gothic Art of the Twelfth and Thirteenth Centuries

Significant revisions in French Gothic discussion with removal of Amiens and expansion of Saint-Denis, Chartres, and Reims. Stained-glass technique box moved to coincide with the discussion of Saint-Denis and a full panel of glass from that church illustrated. Consolidated and expanded treatment of Assisi.

#### **Chapter 17: Fourteenth-Century Art in Europe**

Discussion of Giotto and Duccio reworked to include new focus work in each program, the *Kiss of Judas* for Giotto and the *Raising of Lazarus* for Duccio. Added Simone Martini with discussion of his *Annunciation*. Introduced Hedwig Codex for more variety in German section.

#### **Chapter 18: Fifteenth-Century Art in Northern Europe**

More developed discussion of *Hours of Mary of Burgundy* to elaborate on its evidence of new devotional practices. Expanded treatment of *Unicorn* tapestry to include technique and effect, as well as iconography. New box on the processs of oil painting. Transformed discussion of Mérode Altarpiece based on new views about authorship. Revised discussion of Jan van Eyck's *Man in a Red Turban* as self-portrait. Reworked discussion of Fouquet's Melun Diptych.

#### Chapter 19: Renaissance Art in Fifteenth-Century Italy

New "Art and its Contexts" boxes on the Florentine Baptistery competition reliefs and *cassoni*. Expanded treatment of Orsan-michele including new image of building. Developed discussion of Donatello's David. Revised box on Renaissance perspective and moved to correspond with Masaccio. Expanded discussion of the Sistine mural project.

#### Chapter 20: Sixteenth-Century Art in Italy

Added Leonardo's *The Virgin of the Rocks*, Raphael portraits of Agnelo Doni and Maddalena Strozzi, and Michelangelo's Laurentian Library. Enhanced discussion of Palazzo del Tè with attention to social and political context. Reoriented treatment of Titian's "Venus" of Urbino in light of Rona Goffen's work. Discussion of Mannerism and Council of Trent reversed to conform with chronology and history.

# Chapter 21: Sixteenth-Century Art in Northern Europe and the Iberian Peninsula

Expanded discussion of Garden of Earthly Delights includes new interpretive ideas and incorporates exterior wing panels. New addition and discussion of Quentin Massys's Money Changer and his Wif. "Object Speaks" box explores two Bruegel paintings as part of a series of the months. Added "Closer Look" box for Holbein's The French Ambassadors.

#### Chapter 22: Seventeenth-Century Art in Europe

New images include Artemisia Gentileschi's Susannah and the Elders, a Murillo Immaculate Conception, Rubens's SelfPortrait with Isabella Brandt, Ruisdael's View of Haarlem fom the Dunes at Overveen and Le Nain's A Peasant Family in an Interior. Added technique box on etchings and drypoint.

#### Chapter 23: Art of South and Southeast Asia after 1200

Expanded Southeast Asia coverage to include Islamic art. Incorporated discussion of European engagement with Mughal art. Added discussion of South Asian artists working in the Diaspora and Indian architect Charles Correa.

#### Chapter 24: Chinese and Korean Art after 1279

New image by Yun Shouping, *Amaranth*. New "Closer Look" feature for detail of section of *Spring Dawn in the Han Palace*.

#### Chapter 25: Japanese Art after 1333

Greater emphasis on importance of crafts with addition of porcelain plate, *kosode*, and contemporary lacquer box. New "Closer Look" highlights techniques used in creation of a *kosode* robe. Increased discussion of Japan's integration of foreign, particularly Western, influences in its art and culture. New emphasis on architecture and crafts in the postwar period. Tea Ceremony discussion consolidated into one section.

#### Chapter 26: Art of the Americas after 1300

New chapter opener focuses on Navajo textile woven by Julia Jumbo. Additional contemporary Native American art incorporated into chapter. Revised and updated sections on Aztec and Inca art.

#### Chapter 27: Art of Pacific Cultures

Revised and updated introduction to Australia. Reworked Melanesia section to broaden range of culture areas: added New Britain Tubuan mask, discussions of role of women and different uses of masks. Revamped Polynesia introduction to be Polynesian-centered, not European-centered. New "Object Speaks" for Maori meetinghouse with additional images to show regional difference and change over time (time depth) in Maori art. Contemporary art in Oceania included.

#### Chapter 28: Art of Africa in the Modern Era

Incorporated image of 1897 British punitive expedition to Benin with short discussion of development of major collections of African art in Europe and America. Collection development tied to European expansion, political and economic interests. New "Object Speaks" created for Kuba mask with additional photographs to help to integrate the mask within its performance and meaning contexts. Moved discussion of divination among the Chokwe closer to discussion of Yoruba divination.

# Chapter 29: Eighteenth- and Early Nineteenth-Century Art in Europe and North America

Reorganized chapter now encompasses the early nineteenth century to avoid breaking up the discussion of Neoclassicism and Romanticism. Revised and expanded discussion of how courtly system of individual patronage transformed, first into a Salon system, and then into an academic system of training, exhibition, and sale of art. New images include Fragonard's *The Swing* and Boucher's *Girl Reclining Louise O'Murphy*.

# Chapter 30: Mid- to late Nineteenth-Century Art in Europe and the United States

Revised and updated to emphasize the varying ways the academy and avant-garde envisaged and expressed modernity. Expanded discussion also includes exploration of differing concepts of modernity in France, England, the United States, and elsewhere. Photography moved to early part of chapter. Works by Manet now discussed together and in relation to Realism.

# Chapter 31: Modern Art in Europe and the Americas, 1900–1950

Reworked to extend to 1950 so chapter covers the years of Modernism more fully. Updated to reflect the early centrality of Paris in the first half of twentieth century as a center of innovation in the art-world and its subsequent displacement by New York.

#### Chapter 32: The International Scene Since 1950

Reorganized and revised according to a thematic structure. Emphasis placed on the 1960s as a turning point in the global understanding of art and the subsequent globalization of art in the fast-paced communications age. Fifty percent new images reflect themes outlined in the text.

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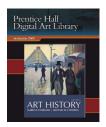
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needs of today's instructors and students. Keyed specifically to the chapters of *Art History*, Fourth Edition, MyArtsLab's many tools will encourage students to experience and interact with works of art. Here are some of the key features:

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#### From Marilyn Stokstad:

The fourth edition of *Art History* represents the cumulative efforts of a distinguished group of scholars and educators. The work done by Stephen Addiss, Chutsing Li, Marylin M. Rhie, and Christopher D. Roy for the original edition has been updated and expanded by David Binkley and Patricia Darish (Africa), Claudia Brown and Robert Mowry (China and Korea), Patricia Graham (Japan), and Rick Asher (South and Southeast Asia). Joy Sperling has reworked the modern material previously contributed by Patrick Frank, David Cateforis and Bradford R. Collins. Dede Ruggles (Islamic), Claudia Brittenham (Americas), and Carol Ivory (Pacific Cultures) also have contributed to the fourth edition.

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If the arts are ultimately an expression of human faith and integrity as well as human thought and creativity, then writing and producing books that introduce new viewers to the wonders of art's history, and to the courage and visions of the artists and art historians that stand behind it—remains a noble undertaking. We feel honored to be a part of such a worthy project.

Marilyn Stokstad Lawrence, KS Michael W. Cothren Swarthmore, PA

Winter 2010

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## **USE NOTES**

The various features of this book rein free each other, helping the reader to become comfortable with terminology and concepts that are specific to art history.

**Starter Kit and Introduction** The Starter Kit is a highly concise primer of basic concepts and tools. The Introduction explores the way they are used to come to an understanding of the history of art.

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artist (when known)
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**Definitions of Terms** You will encounter the basic terms of art history in three places:

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**In the Glossary**, at the end of the volume (p. 1137), which contains all the words in boldface type in the text and boxes.

**Maps** At the beginning of each chapter you will find a map with all the places mentioned in the chapter.

**Boxes** Special material that complements, enhances, explains, or extends the narrative text is set off in six types of tinted boxes.

Art and its Contexts and The Object Speaks boxes expand on selected works or issues related to the text. A Closer Look boxes use leader-line captions to focus attention on specific aspects of important works. Elements of Architecture boxes clarify specifically architectural features, often explaining engineering principles or building technology. Technique boxes outline the techniques and processes by which certain types of art are created. Recovering the Past boxes highlight the work of archaeologists who uncover and conservators who assure the preservation and clear presentation of art.

**Bibliography** The bibliography at the end of this book beginning on page 1146 contains books in English, organized by general works and

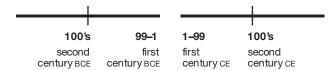
by chapter, that are basic to the study of art history today, as well as works cited in the text.

**Learn About It** Placed at the beginning of each chapter, this feature captures in bulleted form the key learning objectives, or outcomes, of the chapter. They point to what will have been accomplished upon its completion.

**Think About It** These critical thinking questions appear at the end of each chapter and help students assess their mastery of the learning objectives (Learn About It) by asking them to think through and apply what they have learned.

**MyArtsLab prompts** These notations are found throughout the chapter and are keyed to MyArtsLab resources that enrich and reinforce student learning.

**Dates, Abbreviations, and Other Conventions** This book uses the designations BCE and CE, abbreviations for "Before the Common Era" and "Common Era," instead of BC ("Before Christ") and AD ("Anno Domini," "the year of our Lord"). The first century BCE is the period from 99 BCE to 1 BCE; the first century CE is from the year 1 CE to 99 CE. Similarly, the second century CE is the period from 199 BCE to 100 BCE; the second century CE extends from 100 CE to 199 CE.



**Circa** ("about") is used with approximate dates, spelled out in the text and abbreviated to "c." in the captions. This indicates that an exact date is not yet verified.

An illustration is called a "figure," or "fig." Thus, figure 6–7 is the seventh numbered illustration in Chapter 6, and fig. Intro-3 is the third figure in the Introduction. There are two types of figures: photographs of artworks or of models, and line drawings. Drawings are used when a work cannot be photographed or when a diagram or simple drawing is the clearest way to illustrate an object or a place.

When introducing artists, we use the words *active* and *documented* with dates, in addition to "b." (for "born") and "d." (for "died"). "Active" means that an artist worked during the years given. "Documented" means that documents link the person to that date.

Accents are used for words in French, German, Italian, and Spanish only. With few exceptions, names of cultural institutions in Western European countries are given in the form used in that country.

**Titles of Works of Art** It was only over the last 500 years that paintings and works of sculpture created in Europe and North America were given formal titles, either by the artist or by critics and art historians. Such formal titles are printed in italics. In other traditions and cultures, a single title is not important or even recognized.

In this book we use formal descriptive titles of artworks where titles are not established. If a work is best known by its non-English title, such as Manet's *Le Dé juner sur l'Herbe (The Luncheon on the Grass)*, the original language precedes the translation.

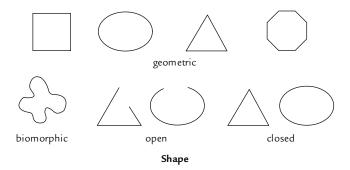
## STARTER KIT

Art history focuses on the visual arts—painting, drawing, sculpture, prints, photography, ceramics, metalwork, architecture, and more. This Starter Kit contains basic information and addresses concepts that underlie and support the study of art history. It provides a quick reference guide to the vocabulary used to classify and describe art objects. Understanding these terms is indispensable because you will encounter them again and again in reading, talking, and writing about art.

**Let us begin with the basic properties of art.** A work of art is a material object having both form and content. It is often described and categorized according to its *style* and *medium*.

#### **FORM**

Referring to purely visual aspects of art and architecture, the term frm encompasses qualities of line, shape, color, light, texture, space, mass, volume, and composition. These qualities are known as frmal elements. When art historians use the term frmal, they mean "relating to form."



**Line** and **shape** are attributes of form. Line is an element—usually drawn or painted—the length of which is so much greater than the width that we perceive it as having only length. Line can be actual, as when the line is visible, or it can be implied, as when the movement of the viewer's eyes over the surface of a work follows a path determined by the artist. Shape, on the other hand, is the two-dimensional, or flat, area defined by the borders of an enclosing *outline* or *contour*. Shape can be *geometric*, *biomorphic* (suggesting living things; sometimes called *organic*), *closed*, or *open*. The *outline* or *contour* of a three-dimensional object can also be perceived as line.

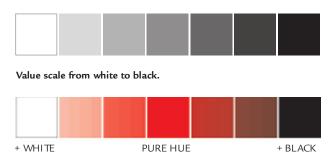
**Color** has several attributes. These include *hue*, *value*, and *saturation*.

Hue is what we think of when we hear the word *color*, and the terms are interchangeable. We perceive hues as the result of differing wavelengths of electromagnetic energy. The visible spectrum, which can be seen in a rainbow, runs from red through violet. When the ends of the spectrum are connected through the hue red-violet, the result may be diagrammed as a color wheel. The primary hues (numbered 1) are red, yellow, and blue. They are known as primaries because all other colors are made by combining these hues. Orange, green, and violet result from the mixture of two primaries and are known as secondary hues (numbered 2). Intermediate hues, or tertiaries (numbered 3), result from the mixture of a primary and a secondary. Complementary colors are the two colors directly opposite one another on the color

wheel, such as red and green. Red, orange, and yellow are regarded as warm colors and appear to advance toward us. Blue, green, and violet, which seem to recede, are called cool colors. Black and white are not considered colors but neutrals; in terms of light, black is understood as the absence of color and white as the mixture of all colors.



Value is the relative degree of lightness or darkness of a given color and is created by the amount of light reflected from an object's surface. A dark green has a deeper value than a light green, for example. In black-and-white reproductions of colored objects, you see only value, and some artworks—for example, a drawing made with black ink—possess only value, not hue or saturation.



Value variation in red.

**Saturation**, also sometimes referred to as *intensity*, is a color's quality of brightness or dullness. A color described as highly saturated looks vivid and pure; a hue of low saturation may or look a little muddy or greyed.



Intensity scale from bright to dull.

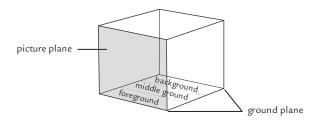
**Texture**, another attribute of form, is the tactile (or touch-perceived) quality of a surface. It is described by words such as *smooth*, *polished*, *rough*, *prickly*, *gainy*, or *oily*. Texture takes two forms: the texture of the actual surface of the work of art and the implied (illusionistically described) surface of objects represented in the work of art.

**Space** is what contains forms. It may be actual and three-dimensional, as it is with sculpture and architecture, or it may be fictional, represented illusionistically in two dimensions, as when artists represent recession into the distance on a flat surface—such as a wall or a canvas—by using various systems of perspective.

**Mass** and volume are properties of three-dimensional things. Mass is solid matter—whether sculpture or architecture—that takes up space. Volume is enclosed or defined space, and may be either solid or hollow. Like space, mass and volume may be illusionistically represented on a two-dimensional surface, such as in a painting or a photograph.

**Composition** is the organization, or arrangement, of forms in a work of art. Shapes and colors may be repeated or varied, balanced symmetrically or asymmetrically; they may be stable or dynamic. The possibilities are nearly endless and artistic choice depends both on the

time and place where the work was created as well as the objectives of individual artists. Pictorial depth (spatial recession) is a specialized aspect of composition in which the three-dimensional world is represented on a flat surface, or *picture plane*. The area "behind" the picture plane is called the *picture space* and conventionally contains three "zones": *fre gound*, *middle gound*, and *back gound*.



Various techniques for conveying a sense of pictorial depth have been devised by artists in different cultures and at different times. A number of them are diagrammed here. In some European art, the use of various systems of *perspective* has sought to create highly convincing illusions of recession into space. At other times and in other cultures, indications of recession are actually suppressed or avoided to emphasize surface rather than space.

## TECHNIQUE | Pictorial devices for depicting recession in space



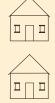
#### overlapping

In overlapping, partially covered elements are meant to be seen as located behind those covering them.



#### diminution

In diminution of scale, successively smaller elements are perceived as being progressively farther away than the largest ones.



#### vertical perspective

Vertical perspective stacks elements, with the higher ones intended to be perceived as deeper in space.

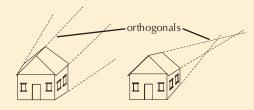


#### atmospheric perspective

Through atmospheric perspective, objects in the far distance (often in bluish-gray hues) have less clarity than nearer objects. The sky becomes paler as it approaches the horizon.

II

I

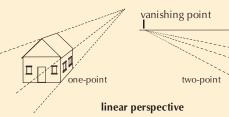


#### divergent perspective

In divergent or reverse perspective, forms widen slightly and imaginary lines called orthogonals diverge as they recede in space.

#### intuitive perspective

Intuitive perspective takes the opposite approach from divergent perspective. Forms become narrower and orthogonals converge the farther they are from the viewer, approximating the optical experience of spatial recession.



Linear perspective (also called scientific, mathematical, one-point and Renaissance perspective) is a rationalization or standardization of intuitive perspective that was developed in fifteenth-century Italy. It uses mathematical formulas to construct images in which all elements are shaped by, or arranged along, orthogonals that converge in one or more vanishing points on a horizon line.

vanishing point

#### CONTENT

Content includes subject matter, but not all works of art have subject matter. Many buildings, paintings, sculptures, and other art objects include no recognizable references to things in nature nor to any story or historical situation, focusing instead on lines, colors, masses, volumes, and other formal elements. However, all works of art—even those without recognizable subject matter—have content, or meaning, insofar as they seek to communicate ideas, convey feelings, or affirm the beliefs and values of their makers, their patrons, and usually the people who originally viewed or used them.

Content may derive from the social, political, religious, and economic *contexts* in which a work was created, the *intention* of the artist, and the *reception* of the work by beholders (the audience). Art historians, applying different methods of *interpretation*, often arrive at different conclusions regarding the content of a work of art, and single works of art can contain more than one meaning because they are occasionally directed at more than one audience.

The study of subject matter is called *icono gaphy* (literally, "the writing of images") and includes the identification of *symbols*—images that take on meaning through association, resemblance, or convention.

#### **STYLE**

Expressed very broadly, *style* is the combination of form and composition that makes a work distinctive. *Stylistic analysis* is one of art history's most developed practices, because it is how art historians recognize the work of an individual artist or the characteristic manner of groups of artists working in a particular time or place. Some of the most commonly used terms to discuss *artistic styles* include *period style*, *regional style*, *regional style*, *regional style*, *abstract style*, *linear style*, and *painterly style*.

**Period style** refers to the common traits detectable in works of art and architecture from a particular historical era. It is good practice not to use the words "style" and "period" interchangeably. Style is the sum of many influences and characteristics, including the period of its creation. An example of proper usage is "an American house from the Colonial period built in the Georgian style."

**Regional style** refers to stylistic traits that persist in a geographic region. An art historian whose specialty is medieval art can recognize Spanish style through many successive medieval periods and can distinguish individual objects created in medieval Spain from other medieval objects that were created in, for example, Italy.

**Representational styles** are those that describe the appearance of recognizable subject matter in ways that make it seem lifelike.

**Realism** and **Naturalism** are terms that some people used interchangeably to characterize artists' attempts to represent the observable world in a manner that appears to describe its visual appearance accurately. When capitalized, Realism refers to a specific period style discussed in Chapter 30.

**Idealization** strives to create images of physical perfection according to the prevailing values or tastes of a culture. The artist may work in a representational style and idealize it to capture an underlying value or expressive effect.

**Illusionism** refers to a highly detailed style that seeks to create a convincing illusion of physical reality by describing its visual appearance meticulously.

**Abstract styles** depart from mimicking lifelike appearance to capture the essence of a form. An abstract artist may work from nature or from a memory image of nature's forms and colors, which are simplified, stylized, perfected, distorted, elaborated, or otherwise transformed to achieve a desired expressive effect.

**Nonrepresentational (or Nonobjective) Art** is a term often used for works of art that do not aim to produce recognizable natural imagery.

**Expressionism** refers to styles in which the artist exaggerates aspects of form to draw out the beholder's subjective response or to project the artist's own subjective feelings.

**Linear** describes both styles and techniques. In linear styles artists use line as the primary means of definition. But linear paintings can also incorporate *modeling*—creating an illusion of three-dimensional substance through shading, usually executed so that brushstrokes nearly disappear.

**Painterly** describes a style of representation in which vigorous, evident brushstrokes dominate, and outlines, shadows, and highlights are brushed in freely.

#### MEDIUM AND TECHNIQUE

*Medium* (plural, *media*) refers to the material or materials from which a work of art is made. Today, literally anything can be used to make a work of art, including not only traditional materials like paint, ink, and stone, but also rubbish, food, and the earth itself.

Technique is the process that transforms media into a work of art. Various techniques are explained throughout this book in Technique boxes. Two-dimensional media and techniques include painting, drawing, prints, and photography. Three-dimensional media and techniques are sculpture (for example, using stone, wood, clay or cast metal), architecture, and many small-scale arts (such as jewelry, containers, or vessels) in media such as ceramics, metal, or wood.

**Painting** includes wall painting and fresco, illumination (the decoration of books with paintings), panel painting (painting on wood panels), painting on canvas, and handscroll and hanging scroll painting. The paint in these examples is pigment mixed with a liquid vehicle, or binder. Some art historians also consider pictorial media such as mosaic and stained glass—where the pigment is arranged in solid form—as a type of painting.

**Graphic arts** are those that involve the application of lines and strokes to a two-dimensional surface or support, most often paper. Drawing is a graphic art, as are the various forms of printmaking. Drawings may be sketches (quick visual notes, often made in preparation for larger drawings or paintings); studies (more carefully drawn analyses of details or entire compositions); cartoons (full-scale drawings made in preparation for work in another medium, such as fresco, stained glass, or tapestry); or complete artworks in themselves. Drawings can be

made with ink, charcoal, crayon, or pencil. Prints, unlike drawings, are made in multiple copies. The various forms of printmaking include woodcut, the intaglio processes (engraving, etching, drypoint), and lithography.

Photography (literally, "light writing") is a medium that involves the rendering of optical images on light-sensitive surfaces. Photographic images are typically recorded by a camera.

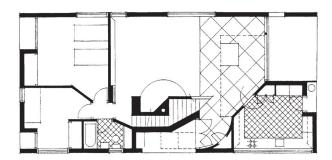
**Sculpture** is three-dimensional art that is carved, modeled, cast, or assembled. Carved sculpture is subtractive in the sense that the image is created by taking away material. Wood, stone, and ivory are common materials used to create carved sculptures. Modeled sculpture is considered additive, meaning that the object is built up from a material, such as clay, that is soft enough to be molded and shaped. Metal sculpture is usually cast or is assembled by welding or a similar means of permanent joining.

Sculpture is either free-standing (that is, surrounded by space) or in pictorial relief. Relief sculpture projects from the background surface of the same piece of material. High-relief sculpture projects far from its background; low-relief sculpture is only slightly raised; and sunken relief, found mainly in ancient Egyptian art, is carved into the surface, with the highest part of the relief being the flat surface.

**Ephemeral arts** include processions, ceremonies, or ritual dances (often with décor, costumes, or masks); performance art; earthworks; cinema and video art; and some forms of digital or computer art. All impose a temporal limitation—the artwork is viewable for a finite period of time and then disappears forever, is in a constant state of change, or must be replayed to be experienced again.

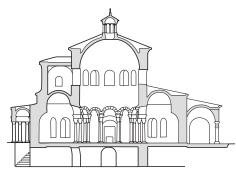
**Architecture** creates enclosures for human activity or habitation. It is three-dimensional, highly spatial, functional, and closely bound with developments in technology and materials. Since it is difficult to capture in a photograph, several types of schematic drawings are commonly used to enable the visualization of a building:

Plans depict a structure's masses and voids, presenting a view from above of the building's footprint or as if it had been sliced horizontally at about waist height.



Plan: Philadelphia, Vanna Venturi House

Sections reveal the interior of a building as if it had been cut vertically from top to bottom.

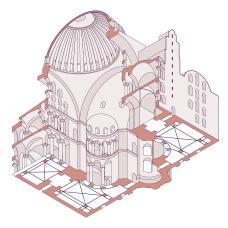


Section: Rome, Sta. Costanza

Isometric Drawings show buildings from oblique angles either seen from above ("bird's-eye view") to reveal their basic threedimensional forms (often cut away so we can peek inside) or from below ("worm's-eye view") to represent the arrangement of interior spaces and the upward projection of structural elements.



Isometric cutaway from above: Ravenna, San Vitale



Isometric projection from below: Istanbul, Hagia Sophia

# INTRODUCTION



INTRO-1 • Mark Rothko NO. 3/NO. 13 (MAGENTA, BLACK AND GREEN ON ORANGE) 1949. Oil on canvas, 7'13/6" × 5'5" (2.165 × 1.648 m). Museum of

Modern Art, New York.

The title of this book seems clear. It defines a field of academic study and scholarly research that has achieved a secure place in college and university curricula across North America. But *Art History* couples two words—even two worlds—that are less well focused when separated. What is art? In what sense does it have a history? Students of art and its history should pause and engage, even if briefly, with these large questions before beginning the journey surveyed in the following chapters.

#### WHAT IS ART?

Artists, critics, art historians, and the general public all grapple with this thorny question. The *Random House Dictionary* defines "art" as "the quality, production, expression, or realm of what is beautiful, or of more than ordinary significance." Others have characterized "art" as something human-made that combines creative imagination and technical skill and satisfies an innate desire for order and harmony—perhaps a human hunger for the

#### **LEARN ABOUT IT**

- 1.1 Consider the criteria used to identify and characterize those cultural artifacts that are labeled as "art."
- Survey the methods used by art historians to analyze works of art and interpret their meaning within their original cultural contexts.
- **I.3** Explore the methods and objectives of visual analysis.
- 1.4 Assess the way art historians identify conventional subject matter and symbols in a process called iconography.
- 1.5 Trace the process of art-historical interpretation in a case study.

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beautiful. This seems relatively straightforward until we start to look at modern and contemporary art, where there has been a heated and extended debate concerning "What is Art?" The focus is often far from questions of transcendent beauty, ordered design, or technical skill, and centers instead on the meaning of a work for an elite target audience or the attempt to pose challenging questions or unsettle deep-seated cultural ideas.

The works of art discussed in this book represent a privileged subset of artifacts produced by past and present cultures. They were usually meant to be preserved, and they are currently considered worthy of conservation and display. The determination of which artifacts are exceptional—which are works of art evolves through the actions, opinions, and selections of artists, patrons, governments, collectors, archaeologists, museums, art historians, and others. Labeling objects as art is usually meant to signal that they transcended or now transcend in some profound way their practical function, often embodying cherished cultural ideas or foundational values. Sometimes it can mean they are considered beautiful, well designed, and made with loving care, but this is not always the case, especially in the twentieth and twentyfirst centuries when the complex notion of what is art has little to do with the idea of beauty. Some critics and historians argue that works of art are tendentious embodiments of power and privilege, hardly sublime expressions of beauty or truth. After all, art can be unsettling as well as soothing, challenging as well as reassuring, whether made in the present or surviving from the past.

Increasingly we are realizing that our judgments about what constitutes art—as well as what constitutes beauty—are conditioned by our own education and experience. Whether acquired at home, in classrooms, in museums, at the movies, or on the internet, our responses to art are learned behaviors, influenced by class, gender, race, geography, and economic status as well as education. Even art historians find that their definitions of what constitutes art—and what constitutes artistic quality—evolve with additional research and understanding. Exploring works by twentieth-century painter Mark Rothko and nineteenth-century quiltmakers Martha Knowles and Henrietta Thomas demonstrates how definitions of art and artistic value are subject to change over time.

Rothko's painting, MAGENTA, BLACK AND GREEN ON ORANGE (FIG. INTRO-1), is a well-known example of the sort of abstract painting that was considered the epitome of artistic sophistication by the mid-twentieth-century New York art establishment. It was created by an artist who meant it to be a work of art. It was acquired by the Museum of Modern Art in New York, and its position on the walls of that museum is a sure sign that it was accepted as such by a powerful cultural institution. However, beyond the context of the American artists, dealers, critics, and collectors who made up Rothko's art world, such paintings were often received with skepticism. They were seen by many as incomprehensible—lacking both technical skill and recognizable subject matter, two criteria that were part of the general public's definition of art at the time. Abstract paintings

soon inspired a popular retort: "That's not art; my child could do it!" Interestingly enough, Rothko saw in the childlike character of his own paintings one of the qualities that made them works of art. Children, he said, "put forms, figures, and views into pictorial arrangements, employing out of necessity most of the rules of optical perspective and geometry but without the knowledge that they are employing them." He characterized his own art as childlike, as "an attempt to recapture the freshness and naiveté of childish vision." In part because they are carefully crafted by an established artist who provided these kinds of intellectual justifications for their character and appearance, Rothko's abstract paintings are broadly considered works of art and are treasured possessions of major museums across the globe.

Works of art, however, do not always have to be created by individuals who perceive themselves as artists. Nor are all works produced for an art market surrounded by critics and collectors ready to explain, exhibit, and disperse them, ideally to prestigious museums. Such is the case with this quilt (FIG. INTRO-2), made by Martha Knowles and Henrietta Thomas a century before Rothko's painting. Their work is similarly composed of blocks of color, and like Rothko, they produced their visual effect by arranging these flat chromatic shapes carefully and regularly on a rectangular field. But this quilt was not meant to hang on the wall of an art museum. It is the social product of a friendship, intended as an intimate gift, presented to a loved one for use in her home. An inscription on the quilt itself makes this clear—"From M. A. Knowles to her Sweet Sister Emma, 1843." Thousands of such friendship quilts



INTRO-2 • Martha Knowles and Henrietta Thomas
MY SWEET SISTER EMMA

1843. Cotton quilt, 8'11"  $\times$  9'1" (2.72  $\times$  2.77 m). International Quilt Studies Center, University of Nebraska, Lincoln, Nebraska.



## ART AND ITS CONTEXTS

#### Art and Architecture

This book contains much more than paintings and textiles. Within these pages you will also encounter sculpture, vessels, books, jewelry, tombs, chairs, photographs, architecture, and more. But as with Rothko's Magenta, Black, and Green on Orange (SEE FIG. INTRO-1) and Knowles and Thomas's My Sweet Sister Emma (SEE FIG. INTRO-2), criteria have been used to determine which works are selected for inclusion in a book titled Art History. Architecture presents an interesting case.

Buildings meet functional human needs by enclosing human habitation or activity. Many works of architecture, however, are considered "exceptional" because they transcend functional demands by manifesting distinguished architectural design or because they embody in important ways the values and goals of the culture that built them. Such buildings are usually produced by architects influenced, like painters, by great works and traditions from the past. In some cases they harmonize with, or react to, their natural or urban surroundings. For such reasons, they are discussed in books on the history of art.

Typical of such buildings is the church of Nôtre-Dame-du-Haut in Ronchamp, France, designed and constructed between 1950 and 1955 by Swiss architect Charles-Edouard Jeanneret, better known by his pseudonym, Le Corbusier. This building is the product of a significant historical moment, rich in global cultural meaning. A pilgrimage church on this site had been destroyed during World War II, and the creation here of a new church symbolized the end of a devastating war, embodying hopes for a brighter global future. Le Corbusier's design -drawing on sources that ranged from Algerian mosques to imperial Roman villas, from crab shells to airplane wings-is sculptural as well as architectural. It soars at the crest of a hill toward the sky but at the same time seems solidly anchored in the earth. And its coordination with the curves of the natural landscape complement the creation of an outdoor setting for religious ceremonies (to the right in the figure) to supplement the church interior that Le Corbusier characterized as a "container for intense concentration." In fact, this building is so renowned today as a monument of modern architecture, that the bus-loads of pilgrims who arrive at the site are mainly architects and devotees of architectural history.



Le Corbusier NÔTRE-DAME-DU-HAUT 1950–1955. Ronchamp, France.

were made by women during the middle years of the nineteenth century for use on beds, either to provide warmth or as a covering spread. Whereas quilts were sometimes displayed to a broad and enthusiastic audience of producers and admirers at competitions held at state and county fairs, they were not collected by art museums or revered by artists until relatively recently.

In 1971, at the Whitney Museum in New York—an establishment bastion of the art world in which Rothko moved and worked—art historians Jonathan Holstein and Gail van der Hoof mounted an exhibition entitled "Abstract Design in American Quilts," demonstrating the artistic affiliation we have already noted in comparing the way Knowles and Thomas, like Rothko, create

abstract patterns with fields of color. Quilts were later accepted—or should the word be "appropriated?"—as works of art and hung on the walls of a New York art museum because of their visual similarities with the avant-garde, abstract works of art created by establishment, New York artists.

Art historian Patricia Mainardi took the case for quilts one significant step further in a pioneering article of 1973 published in The Feminist Art burnal. Entitled, "Quilts: The Great American Art," her argument was rooted not only in the aesthetic affinity of quilts with the esteemed work of contemporary abstract painters, but also in a political conviction that the definition of art had to be broadened. What was at stake here was historical veracity. Mainardi began, "Women have always made art. But for most women, the arts highest valued by male society have been closed to them for just that reason. They have put their creativity instead into the needlework arts, which exist in fantastic variety wherever there are women, and which in fact are a universal female art, transcending race, class, and national borders." She argued for the inclusion of quilts within the history of art to give deserved attention to the work of women artists who had been excluded from discussion because they created textiles and because they worked outside the male-dominated professional structures of the art world—because they were women. Quilts now hang as works of art on the walls of museums and appear with regularity in books that survey the history of art.

As these two examples demonstrate, definitions of art are rooted in cultural systems of value that are subject to change. And as they change, the list of works considered by art historians is periodically revised. Determining what to study is a persistent part of the art historian's task.

#### WHAT IS ART HISTORY?

There are many ways to study or appreciate works of art. Art history represents one specific approach, with its own goals and its own methods of assessment and interpretation. Simply put, art historians seek to understand the meaning of art from the past within its original cultural contexts, both from the point of view of its producers—artists, architects, and patrons—as well as from the point of view of its consumers—those who formed its original audience. Coming to an understanding of the cultural meaning of a work of art requires detailed and patient investigation on many levels, especially with art that was produced long ago and in societies distinct from our own. This is a scholarly rather than an intuitive exercise. In art history, the work of art is seen as an embodiment of the values, goals, and aspirations of its time and place of origin. It is a part of culture.

Art historians use a variety of theoretical perspectives and a host of interpretive strategies to come to an understanding of works of art within their cultural contexts. But as a place to begin, the work of art historians can be divided into four types of investigation:

- 1. assessment of physical properties,
- 2. analysis of visual or formal structure,
- 3. identification of subject matter or conventional symbolism, and
- 4. integration within cultural context.

#### ASSESSING PHYSICAL PROPERTIES

Of the methods used by art historians to study works of art, this is the most objective, but it requires close access to the work itself. Physical properties include shape, size, materials, and technique. For instance, many pictures are rectangular (e.g., SEE FIG. INTRO-1), but some are round (see page xxxi, FIG. C). Paintings as large as Rothko's require us to stand back if we want to take in the whole image, whereas some paintings (see page xxx, FIG. A) are so small that we are drawn up close to examine their detail. Rothko's painting and Knowles and Thomas's quilt are both rectangles of similar size, but they are distinguished by the materials from which they are made—oil paint on canvas versus cotton fabric joined by stitching. In art history books, most physical properties can only be understood from descriptions in captions, but when we are in the presence of the work of art itself, size and shape may be the first thing we notice. To fully understand medium and technique, however, it may be necessary to employ methods of scientific analysis or documentary research to elucidate the practices of artists at the time when and place where the work was created.

#### ANALYZING FORMAL STRUCTURE

Art historians explore the visual character that artists bring to their works—using the materials and the techniques chosen to create them—in a process called **formal analysis**. On the most basic level, it is divided into two parts:

- assessing the individual visual elements or formal vocabulary that constitute pictorial or sculptural communication, and
- discovering the overall arrangement, organization, or structure of an image, a design system that art historians often refer to as **composition**.

THE ELEMENTS OF VISUAL EXPRESSION. Artists control and vary the visual character of works of art to give their subjects and ideas meaning and expression, vibrancy and persuasion, challenge or delight (see "A Closer Look," pages xxx-xxxi). For example, the motifs, objects, figures, and environments within paintings can be sharply defined by line (SEE FIGS. INTRO-2 and INTRO-3), or they can be suggested by a sketchier definition (SEE FIGS. INTRO-1 and INTRO-4). Painters can simulate the appearance of threedimensional form through modeling or shading (SEE FIG. INTRO-3 and page xxxi, FIG. C), that is by describing the way light from a single source will highlight one side of a solid while leaving the other side in shadow. Alternatively, artists can avoid any strong sense of three-dimensionality by emphasizing patterns on a surface rather than forms in space (SEE FIG. INTRO-1 and page xxx, FIG. A). In addition to revealing the solid substance of forms through modeling, dramatic lighting can guide viewers to specific areas of a



# A CLOSER LOOK

Visual Elements of Pictorial Expression > Line, Light, Form, and Color.



#### LINE

# A. Carpet Page from the Lindisfarne Gospels From Lindisfarne, England. c. 715–720. Ink and tempera on vellum, 13³.6 × 9³./6" (34 × 24 cm). British Library, London. Cotton MS Nero D.IV fol. 26v



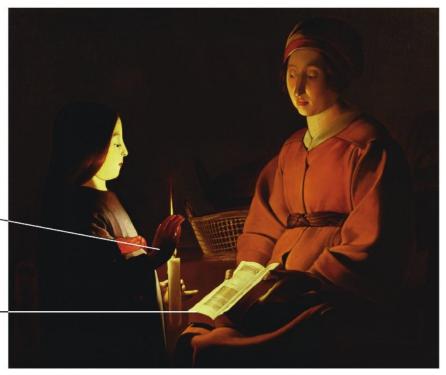
Every element in this complicated painting is sharply outlined by abrupt barriers between light and dark or between one color and another; there are no gradual or shaded transitions. Since the picture was created in part with pen and ink, the linearity is a logical feature of medium and technique. And although line itself is a "flattening" or two-dimensionalizing element in pictures, a complex and consistent system of overlapping gives the linear animal forms a sense of shallow but carefully worked-out three-dimensional relationships to one another.

#### LIGHT

**B.** Georges de la Tour *The Education of the Virgin* c. 1650. Oil on canvas,  $33\times39^12^{\prime\prime}$  (83.8  $\times$  100.4 cm). The Frick Collection, New York.

The source of illumination is a candle depicted within the painting. The young girl's upraised right hand shields its flame, allowing the artist to demonstrate his virtuosity in painting the translucency of human flesh.

Since the candle's flame is partially concealed, its luminous intensity is not allowed to distract from those aspects of the painting most brilliantly illuminated by it—the face of the girl and the book she is reading.







Junayd chose to flood every aspect of his painting with light, as if everything in it were illuminated from all sides at once. As a result, the emphasis here is on jewel-like color. The vibrant tonalities and dazzling detail of the dreamy landscape are not only more important than the simulation of three-dimensional forms distributed within a consistently described space; they actually upstage the human drama taking place against a patterned, tipped-up ground in the lower third of the picture.

#### COLOR

D. Junayd Humay and Humayun, from a manuscript of the Divan of Kwaju Kirmani Made in Baghdad, Iraq. 1396. Color, ink, and gold on paper, 125 × 97 /6" (32 × 24 cm). British Library, London.
MS Add. 18113, fol. 31r



picture (see page xxx, FIG. B), or it can be lavished on every aspect of a picture to reveal all its detail and highlight the vibrancy of its color (see page xxxi, FIG. D). Color itself can be muted or intensified, depending on the mood artists want to create or the tastes and expectations of their audiences.

Thus artists communicate with their viewers by making choices in the way they use and emphasize the elements of visual expression, and art historical analysis seeks to reveal how artists' decisions bring meaning to a work of art. For example in two paintings of women with children (SEE FIGS. INTRO—3 and INTRO—4), Raphael and Renoir work with the same visual elements of line, form, light, and color in the creation of their images, but they employ these shared elements to differing expressive ends. Raphael concentrates on line to clearly differentiate each element of his picture as a separate form. Careful modeling describes these outlined forms as substantial solids surrounded by space. This gives

his subjects a sense of clarity, stability, and grandeur. Renoir, on the other hand, foregrounds the flickering of light and the play of color as he downplays the sense of three-dimensionality in individual forms. This gives his image a more ephemeral, casual sense. Art historians pay close attention to such variations in the use of visual elements—the building blocks of artistic expression—and use visual analysis to characterize the expressive effect of a particular work, a particular artist, or a general period defined by place and date.

COMPOSITION. When art historians analyze composition, they focus not on the individual elements of visual expression but on the overall arrangement and organizing design or structure of a work of art. In Raphael's MADONNA OF THE GOLDFINCH (FIG. INTRO-3), for example, the group of figures has been arranged in a triangular shape and placed at the center of the picture. Raphael emphasized this central weighting by opening the clouds to reveal a patch of blue in the middle of the sky, and by flanking the figural group with lace-like trees. Since the Madonna is

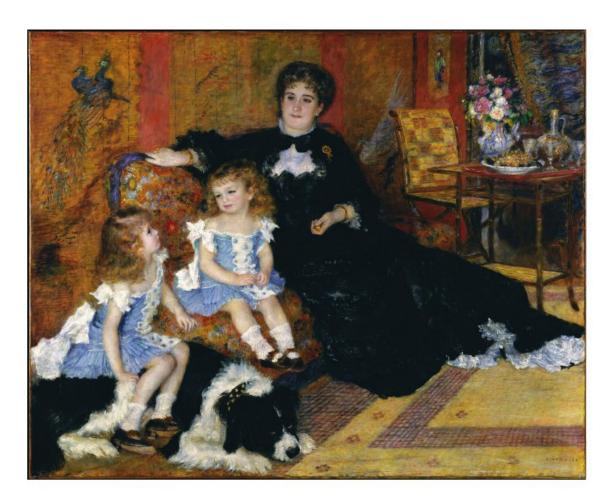
INTRO-3 • Raphael MADONNA OF THE GOLDFINCH (MADONNA DEL CARDELLINO)

1506. Oil on panel,  $42 \times 29^1 2''$  (106.7  $\times$  74.9 cm). Galleria degli Uffizi, Florence.

The vibrant colors of this important work were revealed in the course of a careful, ten-year restoration, completed only in 2008.

at the center and since the two boys are divided between the two sides of the triangular shape, roughly—though not precisely equidistant from the center of the painting, this is a bilaterally symmetrical composition: on either side of an implied vertical line at the center of the picture, there are equivalent forms on left and right, matched and balanced in a mirrored correspondence. Art historians refer to such an implied line-around which the elements of a picture are organized—as an axis. Raphael's painting has not only a vertical, but also a horizontal axis, indicated by a line of demarcation between light and dark—as well as between degrees of color saturation—in the terrain of the landscape. The belt of the Madonna's dress is aligned with this horizontal axis, and this correspondence, taken with the coordination of her head with the blue patch in the sky, relates her to the order of the natural world in which she sits, lending a sense of stability, order, and balance to the picture as a whole.





INTRO-4 •
Auguste Renoir
MME. CHARPENTIER
AND HER CHILDREN
1878. Oil on canvas,  $60^{1} \angle \times 74^{7} \angle (153.7 \times 190.2 \text{ cm})$ . Metropolitan
Museum of Art, New York.

The main axis in Renoir's painting of MME. CHARPENTIER AND HER CHILDREN (FIG. INTRO-4) is neither vertical, nor horizontal, but diagonal, running from the upper right to the lower left corner of the painting. All major elements of the composition are aligned along this axis—dog, children, mother, and the table and chair that represent the most complex and detailed aspect of the setting. The upper left and lower right corners of the painting balance each other on either side of the diagonal axis as relatively simple fields of neutral tone, setting off and framing the main subjects between them. The resulting arrangement is not bilaterally symmetrical, but blatantly asymmetrical, with the large figural mass pushed into the left side of the picture. And unlike Raphael's composition, where the spatial relationship of the figures and their environment is mapped by the measured placement of elements that become increasingly smaller in scale and fuzzier in definition as they recede into the background, the relationship of Renoir's figures to their spatial environment is less clearly defined as they recede into the background along the dramatic diagonal axis. Nothing distracts us from the bold informality of this family gathering.

Both Raphael and Renoir arrange their figures carefully and purposefully, but they follow distinctive compositional systems that communicate different notions of the way these figures interact with each other and the world around them. Art historians pay special attention to how pictures are arranged because composition

is one of the principal ways artists charge their paintings with expressive meaning.

#### **IDENTIFYING SUBJECT MATTER**

Art historians have traditionally sought subject matter and meaning in works of art with a system of analysis that was outlined by Irwin Panofsky (1892–1968), an influential German scholar who was expelled from his academic position by the Nazis in 1933 and spent the rest of his career of research and teaching in the United States. Panofsky proposed that when we seek to understand the subject of a work of art, we derive meaning initially in two ways:

- First we perceive what he called "natural subject matter" by recognizing forms and situations that we know from our own experience.
- Then we use what he called "iconography" to identify the conventional meanings associated with forms and figures as bearers of narrative or symbolic content, often specific to a particular time and place.

Some paintings, like Rothko's abstractions, do not contain subjects drawn from the world around us, from stories, or from conventional symbolism, but Panofsky's scheme remains a standard method of investigating meaning in works of art that present narrative subjects, portray specific people or places, or embody cultural values with iconic imagery or allegory.



## A CLOSER LOOK

#### Iconography >

The study and identification of conventional themes, motifs, and symbols to elucidate the subject matter of works of art.

These grapes sit on an imported, Italian silver tazza, a luxury object that may commemorate Northern European prosperity and trade. This particular object recurs in several of Peeters's other still lifes.

An image of the artist herself appears on the reflective surface of this pewter tankard, one of the ways that she signed her paintings and promoted her career.

Luscious fruits and flowers celebrate the abundance of nature, but because these fruits of the earth will eventually fade, even rot, they could be moralizing references to the transience of earthly existence.

Detailed renderings of insects showcased Peeters's virtuosity as a painter, but they also may have symbolized the vulnerability of the worldly beauty of flowers and fruit to destruction and decay.



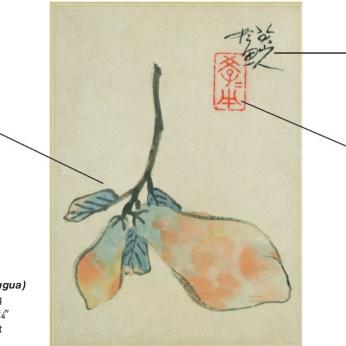
These coins, including one minted in 1608–1609, help focus the dating of this painting. The highlighting of money within a still life could reference the wealth of the owner—or it could subtly allude to the value the artist has crafted here in paint.

This knife—which appears in several of Peeters's still lifes—is of a type that is associated with wedding gifts.

A. Clara Peeters Still Life with Fruit and Flowers

c. 1612. Oil on copper, 25 $^{1}$ /s  $\times$  35'' (64  $\times$  89 cm). Ashmolean Museum, Oxford.

Quince is an unusual subject in Chinese painting, but the fruit seems to have carried personal significance for Zhu Da. One of his friends was known as the Daoist of Quince Mountain, a site in Hunan province that was also the subject of a work by one of his favorite authors, Tang poet Li Bai.



The artist's signature reads "Bada Shanren painted this," using a familiar pseudonym in a formula and calligraphic style that the artist ceased using in 1695.

This red block is a seal with an inscription drawn from a Confucian text: "teaching is half of learning." This was imprinted on the work by the artist as an aspect of his signature, a symbol of his identity within the picture, just as the reflection and inscribed knife identify Clara Peeters as the painter of her still life.

**B. Zhu Da (Bada Shanren)** *Quince (Mugua)* 1690. Album leaf mounted as a hanging

scroll; ink and colors on paper,  $7\frac{7}{6} \times 5\frac{3}{4}$ " (20 × 14.6 cm). Princeton University Art Museum.

NATURAL SUBJECT MATTER. We recognize some things in works of visual art simply by virtue of living in a world similar to that represented by the artist. For example, in the two paintings by Raphael and Renoir just examined (SEE FIGS. INTRO-3 and INTRO-4), we immediately recognize the principal human figures in both as a woman and two children, boys in the case of Raphael's painting, girls in Renoir's. We can also make a general identification of the animals: a bird in the hand of Raphael's boys, and a pet dog under one of Renoir's girls. And natural subject matter can extend from an identification of figures to an understanding of the expressive significance of their postures and facial features. We might see in the boy who snuggles between the knees of the woman in Raphael's painting, placing his own foot on top of hers, an anxious child seeking the security of physical contact with a trusted caretaker—perhaps his mother—in response to fear of the bird he reaches out to touch. Many of us have seen insecure children take this very pose in response to potentially unsettling encounters.

The closer the work of art is in both time and place to our own situation temporally and geographically, the easier it sometimes is to identify what is represented. But although Renoir painted his picture over 125 years ago in France, the furniture in the background still looks familiar, as does the book in the hand of Raphael's Madonna, painted five centuries before our time. But the object hanging from the belt of the scantily clad boy at the left in this painting will require identification for most of us. Iconographic investigation is necessary to understand the function of this form.

ICONOGRAPHY. Some subjects are associated with conventional meanings established at a specific time or place; some of the human figures portrayed in works of art have specific identities; and some of the objects or forms have symbolic or allegorical meanings in addition to their natural subject matter. Discovering these conventional meanings of art's subject matter is called iconography. (See "A Closer Look," opposite.)

For example, the woman accompanied in the outdoors by two boys in Raphael's Madonna of the Gold fnch (SEE FIG. INTRO-3) would have been immediately recognized by members of its intended sixteenth-century Florentine audience as the Virgin Mary Viewers would have identified the naked boy standing between her knees as her son Jesus, and the boy holding the bird as Jesus' cousin John the Baptist, sheathed in the animal skin garment that he would wear in the wilderness and equipped with a shallow cup attached to his belt, ready to be used in baptisms. Such attributes of clothing and equipment are often critical in making iconographic identifications. The goldfinch in the Baptist's hand was at this time and place a symbol of Christ's death on the cross, an allegorical implication that makes the Christ Child's retreat into secure contact with his mother—already noted on the level of natural subject matter understandable in relation to a specific story. The comprehension of conventional meanings in this painting would have been almost automatic among those for whom it was painted, but for us,

separated by time and place, some research is necessary to recover associations that are no longer part of our everyday world.

Although it may not initially seem as unfamiliar, the subject matter of Renoir's 1878 portrait of Mme. Charpentier and her Children (SEE FIG. INTRO-4) is in fact even more obscure. Although there are those in twenty-first-century American culture for whom the figures and symbols in Raphael's painting are still recognizable and meaningful, Marguérite-Louise Charpentier died in 1904, and no one living today would be able to identify her based on the likeness Renoir presumably gave to her face in this family portrait commissioned by her husband, wealthy and influential publisher George Charpentier. We need the painting's title to make that identification. And Mme. Charpentier is outfitted here in a gown created by English designer Charles Frederick Worth, the dominant figure in late nineteenth-century Parisian high fashion. Her clothing was a clear attribute of her wealth for those who recognized its source; most of us need to investigate to uncover its meaning. But a greater surprise awaits the student who pursues further research on her children. Although they clearly seem to our eyes to represent two daughters, the child closest to Mme. Charpentier is actually her son Paul, who at age three, following standard Parisian bourgeois practice, has not yet had his first hair cut and still wears clothing comparable to that of his older sister Georgette, perched on the family dog. It is not unusual in art history to encounter situations where our initial conclusions on the level of natural subject matter will need to be revised after some iconographic research.

#### INTEGRATION WITHIN CULTURAL CONTEXT

Natural subject matter and iconography were only two of three steps proposed by Panofsky for coming to an understanding of the meaning of works of art. The third step he labeled "iconology," and its aim is to interpret the work of art as an embodiment of its cultural situation, to place it within broad social, political, religious, and intellectual contexts. Such integration into history requires more than identifying subject matter or conventional symbols; it requires a deep understanding of the beliefs and principles or goals and values that underlie a work of art's cultural situation as well as the position of an artist and patron within it.

In "A Closer Look" (opposite), the subject matter of two still life paintings (pictures of inanimate objects and fruits or flowers taken out of their natural contexts) is identified and elucidated, but to truly understand these two works as bearers of cultural meaning, more knowledge of the broader context and specific goals of artists and audiences is required. For example, the fact that Zhu Da (1626–1705) became a painter was rooted more in the political than the artistic history of China at the middle of the seventeenth century. As a member of the imperial family of the Ming dynasty, his life of privilege was disrupted when the Ming were overthrown during the Manchu conquest of China in 1644. Fleeing for his life, he sought refuge in a Buddhist monastery, where he wrote poetry and painted. Almost 40 years later, in the aftermath of a nervous breakdown (that could have been staged to avoid retribution for his

family background), Zhu Da abandoned his monastic life and developed a career as a professional painter, adopting a series of descriptive pseudonyms—most notably Bada Shanren ("mountain man of eight greatnesses") by which he is most often known today. His paintings are at times saturated with veiled political commentary; at times they seek to accommodate the expectations of collectors to assure their marketability; and in paintings like the one illustrated here (see page xxxiv, FIG. B), the artist seems to hark back to the contemplative, abstract, and spontaneous paintings associated with great Zen masters such as Muqi (c. 1201–after 1269), whose calligraphic pictures of isolated fruits seem almost like acts of devotion or detached contemplations on natural forms, rather than the works of a professional painter.

Clara Peeters's still life (see page xxxiv, FIG. A), on the other hand, fits into a developing Northern European painting tradition within which she was an established and successful professional, specializing in portrayals of food and flowers, fruit and reflective objects. Still-life paintings in this tradition could be jubilant celebrations of the abundance of the natural world and the wealth of luxury objects available in the prosperous mercantile society of the Netherlands. Or they could be moralizing "vanitas" paintings, warning of the ephemeral meaning of those worldly possessions, even of life itself. But this painting has also been interpreted in a more personal way. Because the type of knife that sits in the foreground near the edge of the table was a popular wedding gift, and since it is inscribed with the artist's own name, some have suggested that this still life could have celebrated Peeters's marriage. Or it could simply be a witty way to sign her picture. It certainly could be both personal and participate in the broader cultural meaning of still-life paintings at the same time. Mixtures of private and public meanings have been proposed for Zhu Da's paintings as well. The picture of quince illustrated here (see page xxxiv, FIG. B) has been seen as one in a series of allegorical "self-portraits" that extend across his career as a painter. Art historians frequently reveal multiple meanings when interpreting single works of art. They usually represent complex cultural and personal situations.

### A CASE STUDY: ROGIER VAN DER WEYDEN'S PHILADELPHIA CRUCIFIXION

The basic, four-part method of art historical investigation and interpretation just outlined and explored, becomes clearer when its extended use is traced in relation to one specific work of art. A particularly revealing subject for such a case study is a seminal and somewhat perplexing painting now in the Philadelphia Museum of Art—the **CRUCIFIXION WITH THE WRGIN AND ST. JOHN THE EVANGELIST (FIG. INTRO-5)** by Rogier van der Weyden (c. 1400–1464), a Flemish artist who will be featured in Chapter 18. Each of the four levels of art historical inquiry reveals important information about this painting, information that has been used by

art historians to reconstruct its relationship to its artist, its audience, and its broader cultural setting. The resulting interpretation is rich, but also complex. An investigation this extensive will not be possible for all the works of art in the following chapters, where the text will focus only on one or two facets of more expansive research. Because of the amount and complexity of information involved in a thorough art-historical interpretation, it is sometimes only in a second reading that we can follow the subtleties of its argument, after the first reading has provided a basic familiarity with the work of art, its conventional subjects, and its general context.

#### PHYSICAL PROPERTIES

Perhaps the most striking aspect of this painting's physical appearance is its division into two separate tall rectangular panels, joined by a frame to form a coherent, almost square composition. These are oak panels, prepared with chalk to form a smooth surface on which to paint with mineral pigments suspended in oil. A technical investigation of the painting in 1981 used infra-red reflectography to reveal a very sketchy underdrawing beneath the surface of the paint, proving to the investigators that this painting is almost entirely the work of Rogier van der Weyden himself. Famous and prosperous artists of this time and place employed many assistants to work in large production workshops, and they would render detailed underdrawings to assure that assistants replicated the style of the master. But in cases where the masters themselves intended to execute the work, only summary compositional outlines were needed. This modern technical investigation of Rogier's painting also used dendrochronology (the dating of wood based on the patterns of the growth rings) to date the oak panels and consequently the painting itself, now securely situated near the end of the artist's career, c. 1460.

The most recent restoration of the painting—during the early 1990s by Mark Tucker, Senior Conservator at the Philadelphia Museum of Art—returned it, as close as possible, to current views of its original fifteenth-century appearance (see "Recovering the Past," page xxxviii). This project included extensive technical analysis of almost every aspect of the picture, during which a critical clue emerged, one that may lead to a sharper understanding of its original use. X-rays revealed dowel holes and plugs running in a horizontal line about one-fourth of the way up from the bottom across the entire expanse of the two-panel painting. Tucker's convincing research suggests that the dowels would have attached these two panels to the backs of wooden boxes that contained sculptures in a complex work of art that hung over the altar in a fifteenth-century church.

#### FORMAL STRUCTURE

The visual organization of this two-part painting emphasizes both connection and separation. It is at the same time one painting and two. Continuing across both panels is the strip of midnight blue sky and the stone wall that constricts space within the picture to a shallow corridor, pushing the figures into the foreground and close



INTRO-5 • Rogier van der Weyden CRUCIFIXION WITH THE VIRGIN AND ST. JOHN THE EVANGELIST c. 1460. Oil on oak panels,  $71 \times 73''$  (1.8 × 1.85 m). John G. Johnson Collection, Philadelphia Museum of Art.

to the viewer. The platform of mossy ground under the two-figure group in the left panel continues its sloping descent into the right panel, as does the hem of the Virgin's ice-blue garment. We look into this scene as if through a window with a mullion down the middle and assume that the world on the left continues behind this central strip of frame into the right side.

On the other hand, strong visual forces isolate the figures within their respective panels, setting up a system of "compare and contrast" that seems to be at the heart of the painting's design. The striking red cloths that hang over the wall are centered directly behind the figures on each side, forming internal frames that

highlight them as separate groups and focus our attention back and forth between them rather than on the pictorial elements that unite their environments. As we begin to compare the two sides, it becomes increasingly clear that the relationship between figures and environment is quite distinct on each side of the divide.

The dead figure of Christ on the cross, elevated to the very top of the picture, is strictly centered within his panel, as well as against the cloth that hangs directly behind him. The grid of masonry blocks and creases in the cloth emphasizes his rectilinear integration into a system of balanced, rigid regularity. His head is aligned with the cap of the wall, his flesh largely contained within

# RECOVERING THE PAST | De-restoring and Restoring Rogier van der Weyden's Crucifixion

Ever since Rogier van der Weyden's strikingly asymmetrical, two-panel rendering of the Crucifixion (SEE FIG. INTRO-5) was purchased by Philadelphia lawyer John G. Johnson in 1906 for his spectacular collection of European paintings, it has been recognized not only as one of the greatest works by this master of fifteenth-century Flemish painting, but as one of the most important European paintings in North America. Soon after the Johnson Collection became part of the Philadelphia Museum of Art in 1933, however, this painting's visual character was significantly transformed. In 1941 the museum employed freelance restorer David Rosen to work on the painting. Deciding that Rogier's work was seriously marred by later overpainting and disfigured by the discoloration of old varnish, he subjected the painting to a thorough cleaning. He also removed the strip of dark blue paint forming the sky above the wall at the top-identifying it as an 18th-century restoration—and replaced it with gold leaf to conform with remnants of gold in this area that he assessed as surviving fragments of the original background. Rosen's restoration of Rogier's painting was uncritically accepted for almost half a century, and the gold background became a major factor in the interpretations of art historians as distinguished as Irwin Panofsky and Meyer Schapiro.

In 1990, in preparation for a new installation of the work, Rogier's painting received a thorough technical analysis by Mark Tucker, the museum's Senior Conservator. There were two startling discoveries:

- The dark blue strip that had run across the top of the picture before Rosen's intervention was actually original to the painting. Remnants of paint left behind in 1941 proved to be the same azurite blue that also appears in the clothing of the Virgin, and in no instance did the traces of gold discovered in 1941 run under aspects of the original paint surface. Rosen had removed Rogier's original midnight blue sky.
- What Rosen had interpreted as disfiguring varnish streaking the
  wall and darkening the brilliant cloths of honor hanging over it were
  actually Rogier's careful painting of lichens and water stains on the
  stone and his overpainting on the fabric that had originally
  transformed a vermillion undercoat into deep crimson cloth.

In meticulous work during 1992–1993, Tucker cautiously restored the painting based on the evidence he had uncovered. Neither the lost lichens and water stains nor the toning crimson overpainting of the hangings were replaced, but a coat of blue-black paint was laid over Rosen's gold leaf at the top of the panels, taking care to apply the new layer in such a way that should a later generation decide to return to the gold leaf sky, the midnight tonalities could be easily removed. That seems an unlikely prospect. The painting as exhibited today comes as close as possible to the original appearance of Rogier's *Crucifixion*. At least we think so.

the area defined by the cloth. His elbows mark the juncture of the wall with the edge of the hanging, and his feet extend just to the end of the cloth, where his toes substitute for the border of fringe they overlap. The environment is almost as balanced. The strip of dark sky at the top is equivalent in size to the strip of mossy earth at the bottom of the picture, and both are visually bisected by centered horizontals—the cross bar at the top and the alignment of bone and skull at the bottom. A few disruptions to this stable, rectilinear, symmetrical order draw the viewers' attention to the panel at the left: the downward fall of the head of Christ, the visual weight of the skull, the downturn of the fluttering loin cloth, and the tip of the Virgin's gown that transgresses over the barrier to move in from the other side.

John and Mary merge on the left into a single figural mass that could be inscribed into a half-circle. Although set against a rectilinear grid background comparable to that behind Jesus, they contrast with, rather than conform to, the regular sense of order. Their curving outlines offer unsettling unsteadiness, as if they are toppling to the ground, jutting into the other side of the frame. This instability is reinforced by their postures. The projection of Mary's knee in relation to the angle of her torso reveals that she is collapsing into a curve, and the crumpled mass of drapery circling underneath her only underlines her lack of support. John reaches out to catch her, but he has not yet made contact with her body. He strikes a stance of strident instability without even touching the ground, and he looks blankly out into space with an unfocused

expression, distracted from, rather than concentrating on, the task at hand. Perhaps he will come to his senses and grab her. But will he be able to catch her in time, and even then support her given his unstable posture? The moment is tense; the outcome is unclear. But we are moving into the realm of natural subject matter. The poignancy of this concentrated portrayal seems to demand it.

#### **ICONOGRAPHY**

The subject of this painting is among the most familiar themes in the history of European art. The dead Jesus has been crucified on the cross, and two of his closest associates—his mother and John, one of his disciples-mourn his loss. Although easily recognizable, the austere and asymmetrical presentation is unexpected. More usual is an earlier painting of this subject by the same artist, CRUCIFIXION TRIPTYCH WITH DONORS AND SAINTS (FIG. INTRO-6), where he situates the crucified Christ at the center of a symmetrical arrangement, the undisputed axial focus of the composition. The scene unfolds here within an expansive landscape, populated with a wider cast of participants, each of whom takes a place with symmetrical decorum on either side of the cross. Because most crucifixions follow some variation on this pattern, Rogier's two-panel portrayal (SEE FIG. INTRO-5) in which the cross is asymmetrically displaced to one side, with a spare cast of attendants relegated to a separately framed space, severely restricted by a stark stone wall, requires some explanation. As does the mysterious dark world beyond the wall, and the artificial backdrop of the textile hangings.



INTRO-6 • Rogier van der Weyden CRUCIFIXION TRIPTYCH WITH DONORS AND SAINTS c. 1440. Oil on wooden panels,  $39\frac{3}{4} \times 55''$  (101  $\times$  140 cm). Kunsthistorisches Museum, Vienna.

This scene is not only austere and subdued; it is sharply focused, and the focus relates it to the specific moment in the story that Rogier decided to represent. The Christian Bible contains four accounts of Jesus' crucifixion, one in each of the four Gospels. Rogier took two verses in John's account as his painting's text (John 19:26–27), cited here in the Douay-Rheims literal English translation of the Latin Vulgate Bible used by Western European Christians during the fifteenth century:

When Jesus therefore had seen his mother and the disciple standing whom he loved, he saith to his mother: Woman, behold thy son. After that, he saith to the disciple: Behold thy mother. And from that hour, the disciple took her to his own.

Even the textual source uses conventions that need explanation, specifically the way the disciple John is consistently referred to in this Gospel as "the disciple whom Jesus loved." Rogier's painting, therefore, seems to focus on Jesus' call for a newly expanded relationship between his mother and a beloved follower. More specifically, he has projected us slightly forward in time to the moment when John needs to respond to that call—Jesus has died; John is now in charge.

There are, however, other conventional iconographic associations with the crucifixion that Rogier has folded into this spare portrayal. Fifteenth-century viewers would have understood the skull and femur that lie on the mound at the base of the cross as

the bones of Adam—the first man in the Hebrew Bible account of creation—on whose grave Jesus' crucifixion was believed to have taken place. This juxtaposition embodied the Christian belief that Christ's sacrifice on the cross redeemed believers from the death that Adam's original sin had brought to human existence.

Mary's swoon and presumed loss of consciousness would have evoked another theological idea, the *w-passio*, in which Mary's anguish while witnessing Jesus' suffering and death was seen as a parallel passion of mother with son, both critical for human salvation. Their connection in this painting is underlined visually by the similar bending of their knees, inclination of their heads, and closing of their eyes. They even seem to resemble each other in facial likeness, especially when compared to John.

#### **CULTURAL CONTEXT**

In 1981 art historian Penny Howell Jolly published an interpretation of Rogier's Philadelphia *Cruci fxion* as a product of a broad personal and cultural context. In addition to building on the work of earlier art historians, she pursued two productive lines of investigation to explain the rationale for this unusually austere presentation:

- the prospect that Rogier was influenced by the work of another artist, and
- the possibility that the painting was produced for an institutional context that called for a special mode of visual presentation and a particular iconographic focus.



INTRO-7 • VIEW OF A MONK'S CELL IN THE MONASTERY OF SAN MARCO, FLORENCE

Including Fra Angelico's fresco of the *Annunciation*, c. 1438–1445.

FRA ANGELICO AT SAN MARCO. We know very little about the life of Rogier van der Weyden, but we do know that in 1450, when he was already established as one of the principal painters in northern Europe, he made a pilgrimage to Rome. Either on his way to Rome, or during his return journey home, he stopped off in Florence and saw the altarpiece, and presumably also the frescos, that Fra Angelico (c. 1400-1455) and his workshop had painted during the 1440s at the monastery of San Marco. The evidence of Rogier's contact with Fra Angelico's work is found in a work Rogier painted after he returned home, based on a panel of the San Marco altarpiece. For the Philadelphia Cruci fxion, however, it was Fra Angelico's devotional frescos on the walls of the monks' individual rooms (or cells) that seem to have had the greatest impact (FIG. INTRO-7). Jolly compared the Philadelphia Cruci fxion with a scene of

INTRO-8 • Fra Angelico MAN OF SORROWS FRESCO IN CELL 7

c. 1441-1445. Monastery of San Marco, Florence.

the Man of Sorrows at San Marco to demonstrate the connection (FIG. INTRO-8). Fra Angelico presented the sacred figures with a quiet austerity that recalls Rogier's unusual composition. More specific parallels are the use of an expansive stone wall to restrict narrative space to a shallow foreground corridor, the description of the world beyond that wall as a dark sky that contrasts with the brilliantly illuminated foreground, and the use of a draped cloth of honor to draw attention to a narrative vignette from the life of Jesus, to separate it out as an object of devotion.

THE CARTHUSIANS. Having established a possible connection between Rogier's unusual late painting of the crucifixion and frescos by Fra Angelico that he likely saw during his pilgrimage to Rome in 1450, Jolly reconstructed a specific context of patronage and meaning within Rogier's own world in Flanders that could explain why the paintings of Fra Angelico would have had such an impact on him at this particular moment in his career.

During the years around 1450, Rogier developed a personal and profession relationship with the monastic order of the Carthusians, and especially with the Belgian Charterhouse (or Carthusian monastery) of Hérrines, where his only son was invested as a monk in 1450. Rogier gave money to Hérrines, and





INTRO-9 • DETAIL OF INTRO-5 SHOWING PART OF THE LEFT WING

a poignant moment in the life of St. John (FIG INTRO-9) could have been especially meaningful to the artist himself at the time this work was painted?

A CONTINUING PROJECT. The final word has not been spoken in the interpretation of this painting. Mark Tucker's recent work on the physical evidence revealed by x-ray analysis points toward seeing these two panels as part of a large sculptured altarpiece. Even if this did preclude the prospect that it is the panel painting Rogier donated to the chapel of St. Catherine at Hérinnes, it does not negate the relationship Jolly drew with Fra Angelico, nor the Carthusian context she outlined for the work's original situation. It simply reminds us that our historical understanding of works such as this will evolve when new evidence about them emerges.

As the history of art unfolds in the ensuing chapters of this book, it will be important to keep two things in mind as you read the characterizations of individual works of art and the larger story of their integration into the broader cultural contexts of those who made them and those for whom they were initially made. Art-historical interpretations are built on extended research comparable to that we have just summarily surveyed for Rogier van der Weyden's Philadelphia *Cruci fxion*. But the work of interpretation is never complete. Art history is a continuing project, a work perpetually in progress.

texts document his donation of a painting to its chapel of Saint Catherine. Jolly suggested that the Philadelphia Cnuci fxion could be that painting. Its subdued colors and narrative austerity are consistent with Carthusian aesthetic attitudes, and the walled setting of the scene recalls the enclosed gardens that were attached to the individual dormitory rooms of Carthusian monks. The reference in this painting to the  $\omega$ -passio of the Virgin provides supporting evidence since this theological idea was central to Carthusian thought and devotion. The  $\omega$ -passio was even reflected in the monks' own initiation rites, during which they reenacted and sought identification with both Christ's sacrifice on the cross and the Virgin's parallel suffering.

In Jolly's interpretation, the religious framework of a Carthusian setting for the painting emerges as a personal framework for the artist himself, since this *Cruci fxion* seems to be associated with important moments in his own life—his religious pilgrimage to Rome in 1450 and the initiation of his only son as a Carthusian monk at about the same time. Is it possible that the sense of loss and separation that Rogier evoked in his portrayal of

### THINK ABOUT IT

- **I.1** How would you define a work of art?
- What are the four separate steps proposed here for characterizing the methods used by art historians to interpret works of art?
- 1.3 Choose a painting illustrated in this chapter and analyze its composition.
- 1.4 Characterize the difference between natural subject matter and iconography, focusing your discussion on one work discussed in this chapter.
- What aspect of the case study of Rogier van der Weyden's Philadelphia Crucifixion was especially interesting to you? Explain why. How did it broaden your understanding of what you will learn in this course?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com

## PREHISTORIC ART

Two horses are positioned back to back on the wall of a chamber within the Pech-Merle Cave, located in France's Dordogne region; one of the horses is shown in the detail at left (Fig. 1–1). The head of the horse follows the natural shape of the rock. Black dots surround areas of both horses and cover their bodies. At a later date, a large fish (58 inches long and almost impossible to see) was painted in red on top of them. Yet the painters left more than images of animals, fish, and geometric shapes; they left their own handprints in various places around the animals. These images, and many others hidden in chambers at the ends of long, narrow passages within the cave, connect us to an almost unimaginably ancient world of 25,000 BCE.

Prehistory includes all of human existence before the emergence of writing, though long before that defining moment people were carving objects, painting images, and creating shelters and other structures. Thirty thousand years ago our ancestors were not making "works of art" and there were no "artists" as we understand the term today. They were flaking,

chipping, and polishing flints into spear points, knives, and scrapers, not into sculptures, however pleasing these artifacts are to the eye and to the touch. Wall paintings, too, must have seemed vitally important to their makers in terms of everyday survival.

For art historians, archaeologists, and anthropologists, prehistoric art provides a significant clue—along with fossils, pollen, and artifacts—to understanding early human life and culture. Although specialists continue to discover more about when and how these works were created, they may never be able to tell us why they were made. In fact, there may be no single meaning or use for any one image on a cave wall; cave art probably meant different things to the different people who saw it, depending on their age, experience, and specific needs and desires. The sculpture, paintings, and structures that survive are only a tiny fraction of what must have been created over a very long time span. The conclusions and interpretations drawn from them are only hypotheses, making prehistoric art one of the most speculative, but exciting, areas of art history.

### **LEARN ABOUT IT**

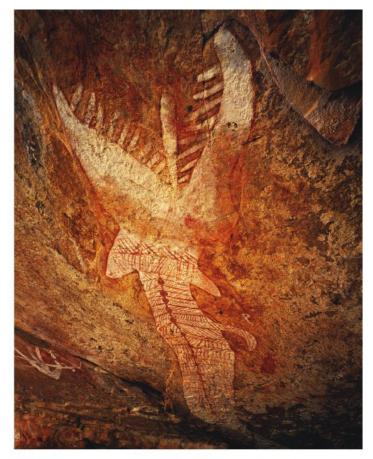
- 1.1 Examine the origins of art in the prehistoric past.
- 1.2 Discover the location and motifs of Paleolithic cave art and assess the range of scholarly interpretations for them.
- 1.3 Investigate the early use of architecture in domestic and sacred contexts, including megalithic monuments such as Stonehenge.
- **1.4** Explore the use and meaning of human figurines in the Paleolithic and Neolithic periods.
- 1.5 Trace the emergence of pottery making and metalworking and examine the earliest works made of fired clay and hammered gold.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

### THE STONE AGE

How and when modern humans evolved is the subject of ongoing debate, but anthropologists now agree that the species called *homo sapiens* appeared about 400,000 years ago, and that the subspecies to which we belong, *homo sapiens sapiens* (usually referred to as modern humans), evolved as early as 120,000 years ago. Based on archaeological evidence, it is now clear that modern humans spread from Africa across Asia, into Europe, and finally to Australia and the Americas. This vast movement of people took place between 100,000 and 35,000 years ago.

Scholars began the systematic study of prehistory only about 200 years ago. Nineteenth-century archaeologists, struck by the wealth of stone tools, weapons, and figures found at ancient sites, named the whole period of early human development the Stone Age. Today, researchers divide the Stone Age into the Paleolithic (from the Greek *paleo-*, "old," and *lithos*, "stone") and the Neolithic (from the Greek *neo-*, "new") periods. The Paleolithic period is divided into three phases reflecting the relative position of objects found in the layers of excavation: Lower (the oldest), Middle, and Upper (the most recent). In some places archaeologists can identify a transitional, or Mesolithic (from the Greek *meso-*, "middle") period.



1-2 • RAINBOW SERPENT ROCK

Western Arnhem Land, Australia. Appearing in Australia as early as 6000 BCE, images of the Rainbow Serpent play a role in rituals and legends of the creation of human beings, the generation of rains, storms, and floods, and the reproductive power of nature and people.

The dates for the transition from Paleolithic to Neolithic vary with geography and with local environmental and social circumstances. For some of the places discussed in this chapter, such as Western Europe, the Neolithic way of living did not emerge until 3000 BCE; in others, such as the Near East, it appeared as early as 8000 BCE. Archaeologists mark time in so many years ago, or BP ("before present"). However, to ensure consistent style throughout the book, which reflects the usage of art historians, this chapter uses BCE (before the Common Era) and CE (the Common Era) to mark time.

Much is yet to be discovered about prehistoric art. In Australia, some of the world's very oldest images have been dated to between 50,000 and 40,000 years ago, and the tradition of transient communities who marked the land in complex, yet stunningly beautiful ways continues into historical time. In western Arnhem land (FIG. 1–2), rock art images of the Rainbow Serpent have their origins in prehistory, and were perhaps first created during times of substantial changes in the environment. Africa, as well, is home to ancient rock art in both its northern and southern regions. In all cases, archaeologists associate the arrival of modern humans in these regions with the advent of image making.

Indeed, it is the cognitive capability to create and recognize symbols and imagery that sets us as modern humans apart from all of our predecessors and from all of our contemporary animal relatives. We are defined as a species by our abilities to make and understand art. This chapter focuses primarily on the rich traditions of prehistoric European art from the Paleolithic and Neolithic periods and into the Bronze Age (MAP 1–1). Later chapters consider the prehistoric art of other continents and cultures, such as the Americas (Chapter 12), and sub-Saharan Africa (Chapter 13).

### THE PALEOLITHIC PERIOD

Researchers found that human beings made tools long before they made what today we call "art." Art, in the sense of image making, is the hallmark of the Upper Paleolithic period and the emergence of our subspecies, homo sapiens sapiens. Representational images are seen in the archaeological record beginning about 38,000 BCE in Australia, Africa, and Europe. Before that time, during the Lower Paleolithic period in Africa, early humans made tools by flaking and chipping (knapping) flint pebbles into blades and scrapers with sharp edges. Dating to 2.5 million years ago, the earliest objects made by our human ancestors were simple stone tools, some with sharp edges, that were used to cut animal skin and meat and bash open bones to access marrow, and also to cut wood and soft plant materials. These first tools have been found at sites such as Olduvai Gorge in Tanzania. Although not art, they are important as they document a critical development in our evolution: humans' ability to transform the world around them into specific tools and objects that could be used to complete a task.



MAP 1-1 • PREHISTORIC EUROPE

As the Ice Age glaciers receded, Paleolithic, Neolithic, Bronze Age, and Iron Age settlements increased from south to north.

By 1.65 million years ago, significant changes in our ancestors' cognitive abilities and manual dexterity can be seen in sophisticated stone tools, such as the teardrop-shaped hand-axes (FIG. 1–3) that have been found at sites across Eurasia. These extraordinary objects, symmetrical in form and produced by a complex multistep process, were long thought of as nothing more than tools (or perhaps even as weapons), but the most recent analysis suggests that they had a social function as well. Some sites (as at Olorgesailie in Kenya) contain hundreds of hand-axes, far more than would have been needed in functional terms, suggesting that they served to announce an individual's skills, status, and standing in his or her community. Although these ancient hand-axes are clearly not art in the representational sense, it is important to see them in terms of performance and process, concepts that though central to modern Western art also have deep prehistoric roots.

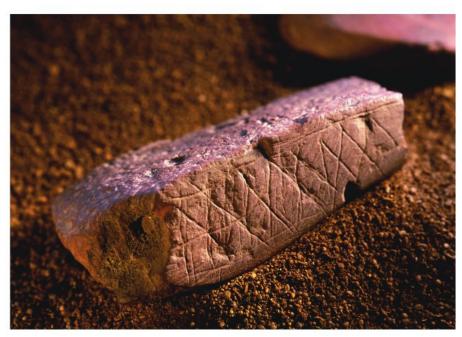
Evolutionary changes took place over time and by 400,000 years ago, during the late Middle Paleolithic period, a homo sapiens

subspecies called Neanderthal inhabited Europe. Its members used a wider range of stone tools and may have carefully buried their dead with funerary offerings. Neanderthals survived for thousands of years and overlapped with modern humans, though the two groups did not interbreed. *Homo sapiens sapiens*, who had evolved and spread out of Africa some 300,000 years after the Neanderthals, eventually replaced them, probably between 38,000 and 33,000 BCE.

The critical abilities that set modern humans apart from all of their predecessors were cognitive ones; indeed the fact that *homo sapiens sapiens*, as a species, outlasted Neanderthals was because they had the mental capacity to solve problems of human survival. The new cognitive abilities included improvements in recognizing and benefiting from variations in the natural environment, and in managing social networking and alliance making (skills that enabled organized hunting). The most important new ability, however, was the capacity to think symbolically: to create



**1-3 • PALEOLITHIC HAND-AXE**From Isimila Korongo, Tanzania. 60,000 years ago. Stone, height 10" (25.4 cm).



**1-4 • DECORATED OCHER**From Blombos Cave. Southern Cape coast, South Africa. 77,000 years ago.

representational analogies between one person, animal, or object, and another, and to recognize and remember those analogies. This cognitive development marks the evolutionary origin of art.

The world's earliest pieces of art come from South Africa: two 77,000-year-old, engraved blocks of red ocher (probably used as crayons) found in the Blombos Cave (FIG. 1-4). Both the blocks are engraved in an identical way with cross-hatched lines on their sides. Archaeologists argue that the similarity of the engraved patterns means these two pieces were intentionally made and decorated following a common pattern. Thousands of fragments of ocher have been discovered at Blombos and there is little doubt that people were using it to draw patterns and images, the remains of which have long since disappeared. Although it is impossible to prove, it is highly likely that the ocher was used to decorate peoples' bodies as well as to color objects such as tools or shell ornaments. Indeed, in an earlier layer on the same site, archaeologists uncovered more than 36 shells, each of which had been perforated so that it could be hung from a string or thong, or attached to clothing or a person's hair; these shells would have been used to decorate the body. An ostrich eggshell bead came from the same site and would have served the same purpose. The importance of the Blombos finds cannot be overstated: Here we have our early ancestors, probably modern humans but possibly even their predecessors, using the earth's raw materials to decorate themselves with jewelry (with the shells) and body art (with the ocher).

#### SHELTER OR ARCHITECTURE?

The term architecture has been applied to the enclosure of spaces with at least some aesthetic intent. Some people object to its use in connection with prehistoric improvisations, but building even a simple shelter requires a degree of imagination and planning

deserving of the name "architecture." In the Upper Paleolithic period, humans in some regions used great ingenuity to build shelters that were far from simple. In woodlands, evidence of floors indicates that circular or oval huts of light branches and hides were built. These measured as much as 15–20 feet in diameter. (Modern tents to accommodate six people vary from 10- by 11-foot ovals to 14- by 7-foot rooms.)

In the treeless grasslands of Upper Paleolithic Russia and Ukraine, builders created settlements of up to ten houses using the bones of the now extinct woolly mammoth, whose long, curving tusks made excellent roof supports and arched door openings (FIG. 1–5). This bone framework was probably covered with animal hides and turf. Most activities centered around the inside fire pit, or hearth, where food was prepared and tools were fashioned. Larger houses might have had more than one hearth and spaces were set aside for



1-5 • RECONSTRUCTION DRAWING OF MAMMOTH-BONE HOUSES

Ukraine. c. 16,000-10,000 BCE.



specific uses—working stone, making clothing, sleeping, and dumping refuse. Inside the largest dwelling on a site in Mezhirich, Ukraine, archaeologists found 15 small hearths that still contained ashes and charred bones left by the last occupants. Some people also colored their floors with powdered ocher in shades that ranged from yellow to red to brown. These Upper Paleolithic structures are important because of their early date: The widespread appearance of durable architecture concentrated in village communities did not occur until the beginning of the Neolithic period in the Near East and southeastern Europe.

#### ARTIFACTS OR WORKS OF ART?

As early as 30,000 BCE small figures, or figurines, of people and animals made of bone, ivory, stone, and clay appeared in Europe and Asia. Today we interpret such self-contained, three-dimensional pieces as examples of **sculpture** in the **round**. Prehistoric carvers also produced relief sculpture in stone, bone, and ivory. In **relief sculpture**, the surrounding material is carved away, forming a background that sets off the projecting figure.

THE LION-HUMAN. An early and puzzling example of a sculpture in the round is a human figure—probably male—with a feline head (FIG. 1–6), made about 30,000–26,000 BCE. Archaeologists excavating at Hohlenstein-Stadel, Germany, found broken pieces of ivory (from a mammoth tusk) that they realized were parts of an entire figure. Nearly a foot tall, this remarkable statue surpasses most early figurines in size and complexity. Instead of copying what he or she saw in nature, the carver created a unique creature, part human and part beast. Was the figure intended to represent a person wearing a ritual lion mask? Or has the man taken on the

#### 1-6 • LION-HUMAN

From Hohlenstein-Stadel, Germany. c. 30,000–26,000 BCE. Mammoth ivory, height 115%" (29.6 cm). Ulmer Museum, Ulm, Germany.



## ART AND ITS CONTEXTS

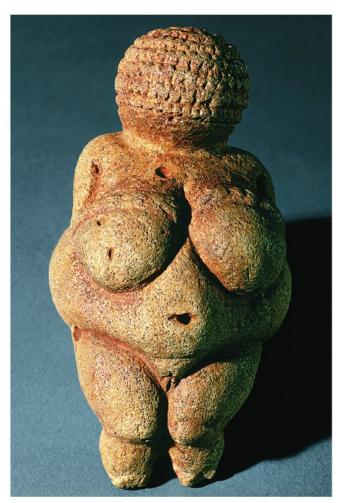
## The Power of Naming

Words are only symbols for ideas, and it is no coincidence that the origins of language and of art are often linked in our evolutionary development. But the very words we invent—or our ancestors invented—reveal a certain view of the world and can shape our thinking. Today, we exert the power of naming when we select a name for a baby or call a friend by a nickname. Our ideas about art can also be affected by names, even the ones used for captions in a book. Before the twentieth century, artists usually did not name, or title, their works. Names were eventually supplied by the works' owners or by art historians writing about them, and thus often express the cultural prejudices of the labelers or of the times in which they lived.

An excellent example of such distortion is the names given to the hundreds of small prehistoric statues of women that have been found. Earlier scholars called them by the Roman name Venus. For example,

the sculpture in FIGURE 1–7 was once called the *Venus of Willendorf* after the place where it was found. Using the name of the Roman goddess of love and beauty sent a message that this figure was associated with religious belief, that it represented an ideal of womanhood, and that it was one of a long line of images of "classical" feminine beauty. In a short time, most similar works of sculpture from the Upper Paleolithic period came to be known as Venus figures. The name was repeated so often that even experts began to assume that the statues had to be fertility figures and Mother Goddesses, although there is no proof that this was so.

Our ability to understand and interpret works of art creatively is easily compromised by distracting labels. Calling a prehistoric figure a woman instead of Venus encourages us to think about the sculpture in new and different ways.



1-7 • WOMAN FROM WILLENDORF From Austria. c. 24,000 BCE. Limestone, height 43 6" (11 cm). Naturhistorisches Museum, Vienna.

appearance of an animal? Archaeologists now think that the people who lived at this time held very different ideas (from our twenty-first-century ones) about what it meant to be a human and how humans were distinct from animals; it is quite possible that they thought of animals and humans as parts of one common group of beings who shared the world. What is absolutely clear is that the Lion-Human shows highly complex thinking and creative imagination: the uniquely human ability to conceive and represent a creature never seen in nature.

FEMALE FIGURES. While a number of figurines representing men have been found recently, most human figures from the Upper Paleolithic period are female. The most famous of these, the **WOMAN FROM WILLENDORF (FIG. 1–7)**, from Austria, dates from about 24,000 BCE (see "The Power of Naming," above). Carved from limestone and originally colored with red ocher, the statuette's swelling, rounded forms make it seem much larger than its actual 4%-inch height. The sculptor exaggerated the figure's female attributes by giving it pendulous breasts, a big belly with a deep navel (a natural indentation in the stone), wide hips, dimpled knees and buttocks, and solid thighs. By carving a woman with a well-nourished body, the artist may have been expressing health and fertility, which could ensure the ability to produce strong children, thus guaranteeing the survival of the clan.

The most recent analysis of the Paleolithic female sculptures has replaced the traditional fertility interpretation with more nuanced understandings of how and why the human figure is represented in this way, and who may have had these kinds of objects made. According to archaeologist Clive Gamble, these little sculptures were subtle forms of nonverbal communication among



**1-8 • WOMAN FROM DOLNÍ VEŠTONICE** From Moravia, Czech Republic. 23,000 BCE. Fired clay,  $4^1 \cancel{4} \times 1^7 \cancel{6}^{"}$  (11 × 4.3 cm). Moravske Museum, Brno, Czech Republic.

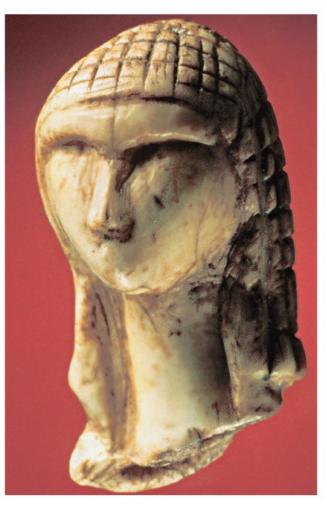
small isolated groups of Paleolithic people spread out across vast regions. Gamble noted the tremendous (and unusual) similarity in the shapes of figures, even those found in widely distant parts of Europe. He suggested that when groups of Paleolithic huntergatherers did occasionally meet up and interact, the female statues may have been among several signature objects that signaled whether a group was friendly and acceptable for interaction and, probably, for mating. As symbols, these figures would have provided reassurance of shared values about the body, and their size would have demanded engagement at a close personal level. It is not a coincidence, then, that the largest production of these types of Paleolithic figurine occurred during a period when climatic conditions were at their worst and the need for interaction and alliance building would have been at its greatest.

More provocative is art historian Leroy McDermott's suggestion that the body-shape of the female figures tell us a great deal about who made them. Noticing the bulbous shape of the figures and the fact that many do not have clearly defined feet, McDermott argued that the perspective was that of a pregnant woman looking down at her own body. McDermott 's theory that the figures were sculpted by pregnant women and were depictions of their own bodies offers an intriguing vision of women as artists, in control of how they were represented.

Another figure, found in the Czech Republic, the **WOMAN FROM DOLNÍ VEŠTONICE** (FIG. 1–8), takes our understanding of

these objects further still. The site of Dolní Veštonice is important because it marks a very early date (23,000 BCE) for humans to use fire to make durable objects out of mixtures of water and soil. What makes the figures from this site and those from other sites in the region (Pavlov and Prědmosti) unusual is their method of manufacture. By mixing the soil with water—to a very particular recipe—and then placing the wet figures in a hot kiln to bake, the makers were not intending to create durable, well-fired statues. On the contrary, the recipe used and the firing procedure followed tell us that the intention was to make the figures explode in the kilns before the firing process was complete, and before a "successful" figure could be produced. Indeed, the finds at these sites support this interpretation: There are very few complete figures, but numerous fragments that bear the traces of explosions at high temperatures. The Dolní Veštonice fragments are records of performance and process art in their rawest and earliest forms.

Another remarkable female image, discovered in the Grotte du Pape in Brassempouy, France, is the tiny ivory head known as the **woman from Brassempouy** (FIG. 1–9). Though the finders did not record its archaeological context, recent studies prove it to



**1-9 • WOMAN FROM BRASSEMPOUY**From Grotte du Pape, Brassempouy, Landes, France. Probably c. 30,000 BCE. Ivory, height 114" (3.6 cm). Musée des Antiquités Nationales, Saint-Germain-en-Laye, France.

be authentic and date it as early as 30,000 BCE. The carver captured the essence of a head, or what psychologists call the **memory image**—those generalized elements that reside in our standard memory of a human head. An egg shape rests atop a long neck, a wide nose and strongly defined browline suggest deep-set eyes, and an engraved square patterning may be hair or a headdress. The image is an abstraction (what has come to be known as **abstract** art): the reduction of shapes and appearances to basic yet recognizable forms that are not intended to be exact replications of nature. The result in this case looks uncannily modern to the contemporary viewer. Today, when such a piece is isolated in a museum case or as a book illustration we enjoy it as an aesthetic object, but we lose its original cultural context.

#### **CAVE PAINTING**

Art in Europe entered a rich and sophisticated phase after 30,000 BCE, when images were painted on the walls of caves in central and southern France and northern Spain. No one knew of the existence of prehistoric cave paintings until one day in 1879, when a young girl, exploring with her father in Altamira in northern Spain, crawled through a small opening in the ground and found herself in a chamber whose ceiling was covered with painted animals (SEE FIG. 1-13). Her father, a lawyer and amateur archaeologist, searched the rest of the cave, told authorities about the remarkable find, and published his discovery the following year. Few people believed that these amazing works could have been made by "primitive" people, and the scientific community declared the paintings a hoax. They were accepted as authentic only in 1902, after many other cave paintings, drawings, and engravings had been discovered at other places in northern Spain and in France.

THE MEANING OF CAVE PAINTINGS. What caused people to paint such dramatic imagery on the walls of caves? The idea that human beings have an inherent desire to decorate themselves and their surroundings—that an aesthetic sense is somehow innate to the human species—found ready acceptance in the nineteenth century. Many believed that people create art for the sheer love of beauty. Scientists now agree that human beings have an aesthetic impulse, but the effort required to accomplish the great cave paintings suggests their creators were motivated by more than simple pleasure (see "Prehistoric Wall Painting," page 10). Since the discovery at Altamira, anthropologists and art historians have devised several hypotheses to explain the existence of cave art. Like the search for the meaning of prehistoric female figurines, these explanations depend on the cultural views of those who advance them.

In the early twentieth century it was believed that art has a social function and that aesthetics are culturally relative. It was proposed that the cave paintings might be products both of rites to strengthen clan bonds and of ceremonies to enhance the fertility of animals used for food. In 1903, French archaeologist Salomon Reinach suggested that cave paintings were expressions of

sympathetic magic (the idea, for instance, that a picture of a reclining bison would ensure that hunters found their prey asleep). Abbé Henri Breuil took these ideas further and concluded that caves were used as places of worship and were the settings for initiation rites. In the second half of the twentieth century, scholars rejected these ideas and based their interpretations on rigorous scientific methods and current social theory. André Leroi-Gourhan and Annette Laming-Emperaire, for example, dismissed the sympathetic magic theory because statistical analysis of debris from human settlements revealed that the animals used most frequently for food were not the ones traditionally portrayed in caves.

Researchers continue to discover new cave images and to correct earlier errors of fact or interpretation. A study of the Altamira Cave in the 1980s led anthropologist Leslie G. Freeman to conclude that the artists had faithfully represented a herd of bison during the mating season. Instead of being dead, asleep, or disabled—as earlier observers had thought—the animals were dust- wallowing, common behavior during the mating season. Similar thinking has led to a more recent interpretation of cave art by archaeologist Steve Mithen. In his detailed study of the motifs of the art and its placement within caves, Mithen argued that hoofprints, patterns of animal feces, and hide colorings were recorded and used as a text to teach novice hunters within a group about the seasonal appearance and behavior of the animals they hunted. The fact that so much cave art is hidden deep in almost inaccessible parts of caves (indeed, the fact that it is placed within caves at all), suggested to Mithen that this knowledge was intended for a privileged group and that certain individuals or groups were excluded from acquiring that knowledge.

South African rock-art expert David Lewis-Williams suggests a different interpretation. Using a deep comparative knowledge of art made by hunter-gatherer communities that are still in existence, Lewis-Williams has argued that Upper Paleolithic cave art is best understood in terms of shamanism: the belief that certain people (shamans) can travel outside of their bodies in order to mediate between the worlds of the living and the spirits. Traveling under the ground as a spirit, particularly within caves, or conceptually within the stone walls of the cave, Upper Paleolithic shamans would have participated in ceremonies that involved hallucinations. Images conceived during this trancelike state would likely combine recognizable (the animals) and abstract (the nonrepresentational) symbols. In addition, Lewis-Williams interprets the stenciled human handprints found on the cave walls alongside the other marks as traces of the nonshaman participants in the ritual reaching towards and connecting with the shaman spirits traveling within the rock.

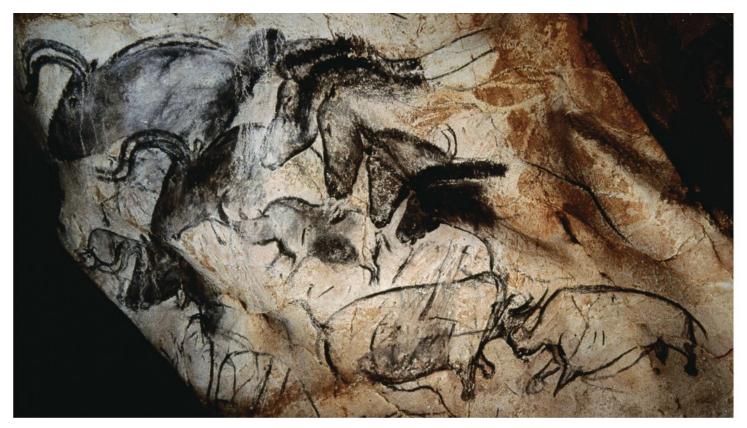
Although hypotheses that seek to explain cave art have changed and evolved over time, there has always been agreement that decorated caves must have had a special meaning because people returned to them time after time over many generations, in some cases over thousands of years. Perhaps Upper Paleolithic cave art was the product of rituals intended to gain the favor of the

supernatural. Perhaps because much of the art was made deep inside the caves and nearly inaccessible, its significance may have had less to do with the finished painting than with the very act of creation. Artifacts and footprints (such as those found at Chauvet, below, and Le Tuc d'Audoubert, FIG. 1–14) suggest that the subterranean galleries, which were far from living quarters, had a religious or magical function. Perhaps the experience of exploring the cave may have been significant to the image–makers. Musical instruments, such as bone flutes, have been found in the caves, implying that even acoustical properties may have had a role to play.

CHAUVET. The earliest known site of prehistoric cave paintings, discovered in December 1994, is the Chauvet Cave (called after one of the persons who found it) near Vallon-Pont-d'Arc in southeastern France—a tantalizing trove of hundreds of paintings (FIG. 1–10). The most dramatic of the images depict grazing, running, or resting animals, including wild horses, bison, mammoths, bears, panthers, owls, deer, aurochs, woolly rhinoceroses, and wild goats (or ibex). Also included are occasional humans, both male and female, many handprints, and hundreds of geometric markings such as grids, circles, and dots. Footprints in the Chauvet Cave, left in soft clay by a child, go to a "room" containing bear skulls. The charcoal used to draw the rhinos has been radiocarbon-dated to 32,410 +/-720 years before the present.

LASCAUX. The best-known cave paintings are those found in 1940 at Lascaux, in the Dordogne region of southern France (FIG. 1–11 and SEE FIG. 1–12). They have been dated to about 15,000 BCE. Opened to the public after World War II, the prehistoric "museum" at Lascaux soon became one of the most popular tourist sites in France. Too popular, because the visitors brought heat, humidity, exhaled carbon dioxide, and other contaminants. The cave was closed to the public in 1963 so that conservators could battle an aggressive fungus. Eventually they won, but instead of reopening the site authorities created a facsimile of it. Visitors at what is called Lascaux II may now view copies of the paintings without harming the precious originals.

The scenes they view are truly remarkable. The Lascaux painters depicted cows, bulls, horses, and deer along the natural ledges of the rock, where the smooth white limestone of the ceiling and upper wall meets a rougher surface below. They also utilized the curving wall to suggest space. Lascaux has about 600 paintings and 1,500 engravings. Ibex, a bear, engraved felines, and a woolly rhinoceros have also been found. The animals appear singly, in rows, face to face, tail to tail, and even painted on top of one another. Their most characteristic features have been emphasized. Horns, eyes, and hooves are shown as seen from the front, yet heads and bodies are rendered in profile in a system known as **composite pose**. Even when their poses are exaggerated or



1-10 • WALL PAINTING WITH HORSES, RHINOCEROSES, AND AUROCHS Chauvet Cave. Vallon-Pont-d'Arc, Ardèche Gorge, France. c. 32,000–30,000 BCE. Paint on limestone.

SEE MORE: View a video about cave painting www.myartslab.com

## **TECHNIQUE** | Prehistoric Wall Painting

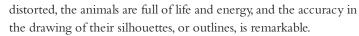
In a dark cave, working by the light of an animal-fat lamp, an artist chews a piece of charcoal to dilute it with saliva and water. Then he blows out the mixture on the surface of a wall, using his hand as a stencil. The drawing demonstrates how cave archaeologist Michel Lorblanchet and his assistant used the step-by-step process of the original makers of a cave painting at Pech-Merle (SEE FIG. 1–1) in France created a complex design of spotted horses.

By turning himself into a human spray can, Lorblanchet can produce clear lines on the rough stone surface much more easily than he could with a brush. To create the line of a horse's back, with its clean upper edge and blurry lower one, he blows pigment below his hand. To capture its angular rump, he places his hand vertically against the wall, holding it slightly curved. To produce the sharpest lines, such as those of the upper hind leg and tail, he places his hands side by side and blows between them. To create the forelegs and the hair on the horses' bellies, he fingerpaints. A hole punched in a piece of leather serves as a stencil for the horses' spots. It takes Lorblanchet only 32 hours to reproduce the Pech-Merle painting of spotted horses, his speed suggesting that a single artist created the

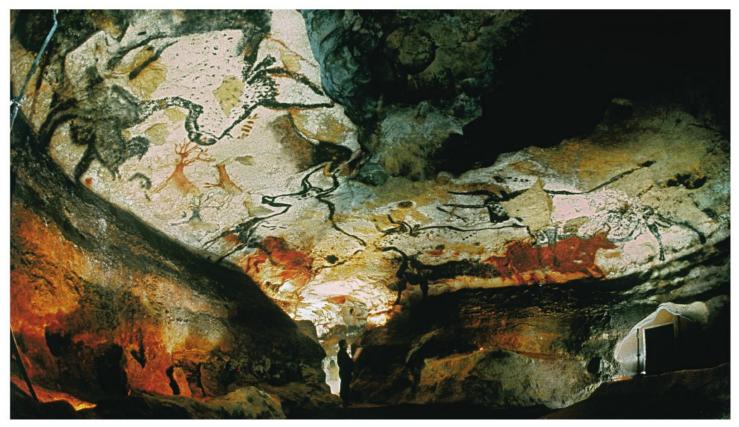
original (perhaps with the help of an assistant to mix pigments and tend the lamp).

Homo sapiens sapiens artists used three painting techniques: the spraying demonstrated by Lorblanchet, drawing with fingers or blocks of ocher, and daubing with a paintbrush made of hair or moss. In some places in prehistoric caves three stages of image creation can be seen:

engraved lines using flakes of flint,
followed by a color wash of ocher
and manganese, and a final
engraving to emphasize
shapes and details.



Painters worked not only in large caverns, but also far back in the smallest chambers and recesses, many of which are almost inaccessible today. Small stone lamps found in such caves—over 100 lamps have been found at Lascaux—indicate that the artists worked in flickering light from burning animal fat (SEE FIG. 1–15). (Although 1 pound of fat would burn for 24 hours and produce no



1-11 • HALL OF BULLS
Lascaux Cave. Dordogne, France. c. 15,000 BCE. Paint on limestone, length of largest auroch (bull) 18' (5.50 m).



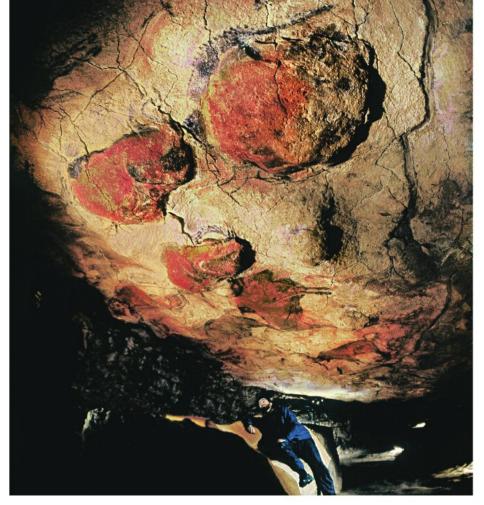
1-12 • BIRD-HEADED MAN WITH BISON Shaft scene in Lascaux Cave. c. 15,000 BCE. Paint on limestone, length approx. 9' (2.75 m).

The cave paintings Altamira, near Santander in Cantabrian Mountains in Spain—the first to be discovered and attributed to the Upper Paleolithic period—have been recently dated to about 12,500 BCE (see "How Early Art is Dated," page 12). The Altamira artists created sculptural effects by painting over and around natural irregularities in the cave walls and ceilings. To produce the herd of bison on the ceiling of the main cavern (FIG. 1–13), they used rich, red and brown ocher to paint the large areas of the animals' shoulders, backs, and flanks, then sharpened the contours of the rocks and added the details of the legs, tails, heads, and horns in black and brown. They mixed yellow and brown from iron-based ocher to make the red tones, and they derived black from manganese or charcoal.

ALTAMIRA.

soot, the light would not have been as strong as that created by a candle.)

One scene at Lascaux was discovered in a remote setting on a wall at the bottom of a 16-foot shaft that contained a stone lamp and spears. The scene is unusual because it is the only painting in the cave complex that seems to tell a story (FIG. 1-12), and it is stylistically different from the other paintings at Lascaux. A figure who could be a hunter, greatly simplified in form but recognizably male and with the head of a bird or wearing a bird'shead mask, appears to be lying on the ground. A great bison looms above him. Below him lie a staff, or baton, and a spear-thrower (atlatl)—a device that allowed hunters to throw farther and with greater force—the outer end of which has been carved in the shape of a bird. The long, diagonal line slanting across the bison's hindquarters may be a spear. The bison has been disemboweled and will soon die. To the left of the cleft in the wall a woolly rhinoceros seems to run off. Why did the artist portray the man as only a sticklike figure when the bison was rendered with such accurate detail? Does the painting illustrate a story or a myth regarding the death of a hero? Is it a record of an actual event? The painting may also depict the vision of a shaman.



1-13 • BISON Ceiling of a cave at Altamira, Spain. c. 12,500 BCE. Paint on limestone, length approx. 8'3" (2.5 m).

## RECOVERING THE PAST I How Early Art is Dated

Since the first discoveries at Altamira, archaeologists have developed increasingly sophisticated ways of dating cave paintings and other objects. Today, they primarily use two approaches to determine an artifact's age. **Relative dating** relies on the chronological relationships among objects in a single excavation or among several sites. If archaeologists have determined, for example, that pottery types A, B, and C follow each other chronologically at one site, they can apply that knowledge to another site. Even if type B is the only pottery present, it can still be assigned a relative date. **Absolute dating** aims to determine a precise span of calendar years in which an artifact was created.

The most accurate method of absolute dating is **radiometric dating**, which measures the degree to which radioactive materials have disintegrated over time. Used for dating organic (plant or animal) materials—including some pigments used in cave paintings—one radiometric method measures a carbon isotope called radiocarbon, or carbon-14, which is constantly replenished in a living organism. When an organism dies, it stops absorbing carbon-14 and starts to lose its store of the isotope at a predictable rate. Under the right circumstances, the amount of carbon-14 remaining in organic material can tell us how long ago an organism died.

This method has serious drawbacks for dating works of art. Using carbon-14 dating on a carved antler or wood sculpture shows only

when the animal died or when the tree was cut down, not when the artist created the work using those materials. Also, some part of the object must be destroyed in order to conduct this kind of test—something that is never a desirable procedure to conduct on a work of art. For this reason, researchers frequently test organic materials found in the same context as the work of art rather than in the work itself.

Radiocarbon dating is most accurate for materials no more than 30,000 to 40,000 years old. **Potassium-argon dating**, which measures the decay of a radioactive potassium isotope into a stable isotope of argon, an inert gas, is most reliable with materials more than a million years old. Two newer techniques have been used since the mid 1980s. **Thermo-luminescence dating** measures the irradiation of the crystal structure of a material subjected to fire, such as pottery, and the soil in which it is found, determined by the luminescence produced when a sample is heated. **Electron spin resonance** techniques involve using a magnetic field and microwave irradiation to date a material such as tooth enamel and the soil surrounding it.

Recent experiments have helped to date cave paintings with increasing precision. Radiocarbon analysis has determined, for example, that the animal images at Lascaux are 17,000 years old—to be more precise, 17,070 years plus or minus 130 years.

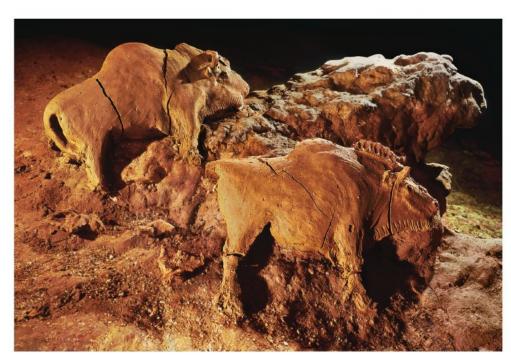
#### **CAVE SCULPTURES**

Caves were sometimes adorned with relief sculpture as well as paintings. At Altamira, an artist simply heightened the resemblance of a natural projecting rock to a similar and familiar animal form. Other reliefs were created by **modeling**, or shaping, the damp clay

of the cave's floor. An excellent example of such work in clay (dating to 13,000 BCE) is preserved at Le Tuc d'Audoubert, south of the Dordogne region of France. Here the sculptor created two bison leaning against a ridge of rock (FIG. 1–14). Although the beasts are modeled in very high relief (they extend well forward

from the background), they display the same conventions as in earlier painted ones, with emphasis on the broad masses of the meat-bearing flanks and shoulders. To make the animals even more lifelike, their creator engraved short parallel lines below their necks to represent their shaggy coats. Numerous small footprints found in the clay floor of this cave suggest that important group rites took place here.

An aesthetic sense and the ability to express it in a variety of ways are among the characteristics unique to homo sapiens sapiens. Lamps found in caves provide an example of objects that were both functional and aesthetically pleasing. Some were carved in simple abstract shapes; others were adorned with engraved images, like one found at La Mouthe, France (FIG. 1–15). The maker decorated its underside with an



1-14 • BISON
Le Tuc d'Audoubert, France. c. 13,000 BCE. Unbaked clay, length 25" (63.5 cm) and 24" (60.9 cm).



**1-15 • LAMP WITH IBEX DESIGN**From La Mouthe Cave. Dordogne, France. c. 15,000–13,000 BCE.
Engraved stone. Musée des Antiquités Nationales, Saint-Germain-en-Laye, France.

ibex. The animal's distinctive head is shown in profile, its sweeping horns reflecting the curved outline of the lamp itself. Objects such as this were made by people whose survival depended upon their skill at hunting animals and gathering wild grains and other edible plants. But a change was already under way that would completely alter human existence.

### THE NEOLITHIC PERIOD

Today, advances in technology, medicine, transportation, and electronic communication change human experience in a generation. Many thousands of years ago, change took place much more slowly. In the tenth millennium BCE the world had already entered the present interglacial period, and our modern climate was taking shape. The world was warming up, and this affected the distribution, density, and stability of plant and animal life and



marine and aquatic resources. However, the Ice Age ended so gradually and unevenly among regions that people could not have known what was happening.

One of the fundamental changes that took place in our prehistoric past was in the relationship people had with their environment. After millennia of established interactions between people and wild plants and animals (ranging from opportunistic foraging to well-scheduled gathering and collecting), people gradually started to exert increasing control over the land and its resources. Seen from the modern perspective, this change in economy (archaeologists use "economy" to refer to the ways people gather or produce food) seems abrupt and complete. Different communities adopted and adapted new sets of technologies, skills, and plant and animal species that allowed them to produce food: This is the origin of plant and animal domestication. Wheat and barley were cultivated; sheep, goats, cattle, and pigs were bred. This new economy appeared at different rates and to varying degrees of completeness in different parts of the Near East and Europe, and no community relied exclusively on the cultivation of plants or on breeding animals. Instead they balanced hunting, gathering, farming, and animal breeding in order to maintain a steady food supply.

#### **ARCHITECTURE**

At the same time as these new food technologies and species appeared, people began to establish stronger, more lasting connections to particular parts of the landscape. The beginnings of architecture in Europe are marked by people building their social environments by constructing simple but durable structures made of clay, mud, dung, and straw interwoven among wooden posts. While some of these buildings were simple huts, used for no more than a season at a time, others were much more substantial, with foundations made of stone, set into trenches, and supporting walls of large timbers. Some buildings were constructed from simple bricks made of clay, mud, and straw given shape by a rectangular mold and then dried in the sun. Regardless of the technique used,

the result was the same: people developed a new attachment to the land, and with settlement came a new kind of social life.

At the site of Lepenski Vir, on the Serbian banks of the Danube River, rows of trapezoidal buildings made of wooden posts, branches, mud, and clay (but with stone foundations and stone-faced hearths) face the river from which the inhabitants took large river fish (FIG. 1–16). Although this site dates to between 6300–5500 BCE, there is little evidence for the domesticated plants and animals one might expect at this time and in association with architecture. Archaeologists found human burials under the floors of these structures as well as in the spaces

1-16 • RECONSTRUCTION OF LEPENSKI VIR HOUSE/SHRINE
Serbia, 6000 BCE.



1-17 • HUMAN-FISH SCULPTURE Lepenski Vir, Serbia. c. 6300-5500 BCE.

between individual buildings. In some houses extraordinary art was found, made of carefully pecked and shaped river boulders (FIG. 1–17). Some of the boulders appear to represent human forms. Others are more similar to fish. A few seem to consist of mixtures of human and fish features. Here we have a site with a confusing combination of architecture with a nondomesticated economy, very unusual art, and many burials. Archaeologists interpret sites like Lepenski Vir as temporary habitations where people carried out special rites and activities linked to death and to the natural and wild worlds. Art played a part in these.

In some places early architecture was dramatic and longlasting, with the repeated building of house upon house in successive architectural generations (sometimes over 1,000 years or more) resulting in the gradual rise of great mounds of villages referred to as tells or mound settlements. A particularly spectacular example is Çatalhöyük (Chatal Huyuk) in the Konya Plain in central Turkey where the first traces of a village date to 7400 BCE in the early Neolithic. The oldest part of the site consists of many, densely clustered houses separated by areas of rubbish. They were made of rectangular mud bricks held together with mortar; walls, floors, and ceilings were covered with plaster and lime-based paint and were frequently replastered and repainted (see "A Closer Look," opposite). The site was large and was home to as many as 3,000 people at any one time. Beyond the early date of the site and its size and population, the settlement at Çatalhöyük is important to art history for two reasons: the picture it provides of the use of early architecture and the sensational art that has been found within its buildings.

It is often assumed by archaeologists and anthropologists that the decision to create buildings such as the houses at Neolithic sites was based on a universal need for shelter from the elements. However, as

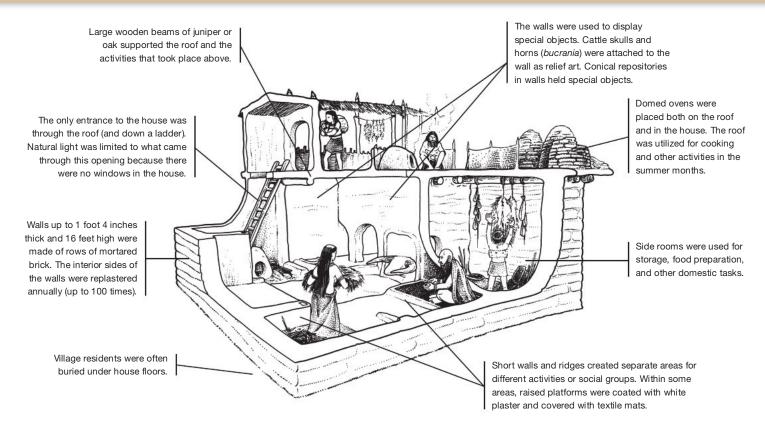
hinted at by the special nature of the activities at Lepenski Vir, recent work at Çatalhöyük shows clearly that while structures did provide shelter, early houses had much more significant functions for the communities of people who lived in them. For the Neolithic people of Çatalhöyük, their houses were the key component of their worldview. Most importantly, they became an emblem of the spirit and history of a community The building of house upon house created a historical continuity that outlasted any human lifetime; indeed, some house rebuilding sequences lasted many hundreds of years. The seasonal replastering and repainting of walls and floors added to the long-term continuity of the buildings as history-makers. In fact, Ian Hodder, the current director of excavations at Çatalhöyük, and his colleagues call some of them "history houses" and have found no evidence to suggest that they were shrines or temples as earlier interpreters had mistakenly concluded.

The dead were buried under the floors of many of the buildings, so the site connected the community's past, present, and future. While there were no burials in some houses, a few contained between 30 and 60 bodies (the average is about six per house), and one had 62 burials, many of people who had lived their lives in other parts of the village. Periodically, perhaps to mark special community events and ceremonies, people dug down into the floors of their houses and removed the heads of the long-deceased, then buried the skulls in new graves under the floors. Skulls were also placed in the foundations of new houses as they were built (and rebuilt) and in other special deposits around the settlement. In one extraordinary burial, a deceased woman holds in her arms a man's skull that had been plastered and painted (perhaps it, too, had been removed from an earlier underfloor grave).

The houses of Çatalhöyük were powerful places not only because of the (literal) depths of their histories, but also because of the extraordinary art that decorated their interiors. Painted on the walls of some of the houses are violent and wild scenes. In some, humans are represented without heads as if they had been decapitated. Vultures or other birds of prey appear huge next to them. The narrative scenes are of dangerous interactions between people and animals. In one painting, a huge, horned wild animal (probably a deer) is surrounded by small humans who are jumping or running; one of them is pulling on something sticking out of the deer's mouth, perhaps its tongue. There is great reference to men and maleness: some of the human figures are bearded and the deer has an erect penis. The site's excavators see this painting as a depiction of a dangerous game or ritual of baiting and taunting a wild animal. In other paintings, people hunt or tease boars or bulls. Conservation of the wall paintings is highly complex and many of the most dramatic examples were excavated before modern preservation techniques existed, and thus we must rely on the archaeologist's narrative descriptions or quick field sketches.

Other representations of wild animals are modeled in relief on the interior walls, the most frequent are the heads and horns of bulls. In some houses, people placed boar tusks, vulture skulls, and fox and weasel teeth under the floors; in at least one case, they dug

### A House in Çatalhöyük > Çatalhöyük, Turkey. 7400-6200 BCE.

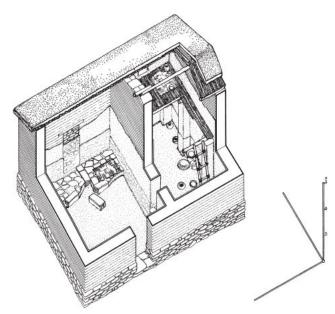


SEE MORE: View the Closer Look feature for the House in Çatalhöyük www.myartslab.com

into previous house generations to retrieve the plastered and painted heads of bulls.

The importance of sites such as Lepenski Vir and Çatalhöyük is that they have forced archaeologists to think in new ways about the role of architecture and art in prehistoric communities (see "Intentional House Burning," page 20). Critically, the mixture of shelter, architecture, art, spirit, ritual, and ceremony at these and many other Neolithic sites makes us realize that we cannot easily distinguish between "domestic" and "sacred" architecture. This point re-emerges from the recent work at Stonehenge in England (see page 18). In addition, the clear and repeated emphasis on death, violence, wild animals, and male body parts at Çatalhöyük has replaced previous interpretations that the Neolithic worldview was one in which representations of the female body, human fertility, and cults of the Mother Goddess were all-powerful.

Most early architectural sites in the Neolithic were not as visually sensational as Çatalhöyük. At the site of Sesklo in northern Greece, dated to 6500 BCE, people built stone-based, long-lasting structures (FIG. 1–18) in one part of a village and less substantial

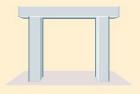


1-18 • SESKLO STONE FOUNDATION HOUSE Sesklo, Greece. 6500 BCE.

## **ELEMENTS OF ARCHITECTURE | Early Construction Methods**

Of all the methods for spanning space, **post-and-lintel construction** is the simplest. At its most basic, two uprights (posts) support a horizontal element (**lintel**). There are countless variations, from the wood structures, dolmens, and other underground burial chambers of prehistory, to Egyptian and Greek stone construction, to medieval timber-frame buildings, and even to cast-iron and steel construction. Its limitation as a space spanner is the degree of tensile strength of

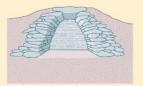
the lintel material: the more flexible, the greater the span possible. Another early method for creating openings in walls and covering space is **corbeling**, in which rows or layers of stone are laid with the end of each row projecting beyond the row beneath, progressing until opposing layers almost meet and can then be capped with a stone that rests across the tops of both layers.



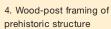
1. Post and lintel



2. Cross section of post-and-lintel underground burial chamber



3. Cross section of corbeled underground burial chamber







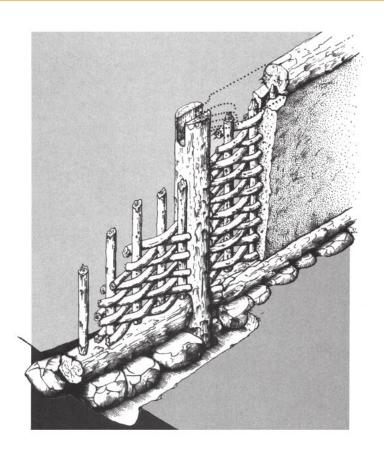
Granite post-and-lintel construction,
 Valley Temple of Khafre, Giza, Egypt,
 2500 BCE

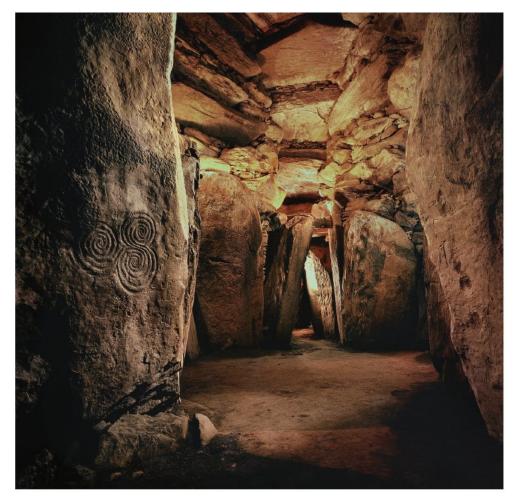
SEE MORE: View a simulation of post-and-lintel construction www.myartslab.com

mud, clay, and wood buildings in another part. The stone-based buildings may have had a special function within the community (whether ritual, crafts-based, or political is difficult to determine) as they were rebuilt again and again over a long period of time so that the part of the village where they were located "grew" vertically into a mound or tell. Some buildings had easily recognizable functions, such as a place for making ceramic vessels. The distinction between the area of the longer-lasting, often rebuilt buildings and the more temporary structures is clear in the style of architecture as well as in the quality of artifacts found (finer, decorated pottery is more abundant in the former).

In different parts of Europe, people created architecture in different ways, as the crowded buildings of Çatalhöyük differed from the structures at Sesklo, and as these differed from the trapezoidal huts at Lepenski Vir. To the northwest in Germany and central Europe, villages of this period typically consisted of three or four long timber buildings, each up to 150 feet long, housing 45 to 50 people. The structures were rectangular, with a row of posts down the center supporting a **ridgepole**, a long horizontal beam







1-20 • TOMB INTERIOR WITH CORBELING AND ENGRAVED STONES Newgrange, Ireland. c.  $3000-2500\,\,\mathrm{BCE}.$ 

against which the slanting roof poles were braced (see example 4 in "Early Construction Methods," opposite). The walls were probably made of what is known as **wattle and daub**, branches woven in a basketlike pattern, then covered with mud or clay (FIG. 1–19). They were probably roofed with **thatch**, plant material such as reeds or straw tied over a framework of poles. These houses also included large granaries, or storage spaces for the harvest; some buildings contain sections for animals and for people. Around 4000 BCE, Neolithic settlers began to locate their communities at defensible sites—near rivers, on plateaus, or in swamps. For additional protection, they also frequently surrounded them with wooden walls, earth embankments, and ditches.

CEREMONIAL AND TOMB ARCHITECTURE. In western and northern Europe, people erected megaliths to build ceremonial structures and tombs. In some cases, they had to transport these great stones over long distances. The monuments thus created are examples of what is known as **megalithic architecture**, the descriptive term derived from the Greek words for "large" (mega-) and "stone" (lithos).

Archaeologists disagree about the types of society that created these monuments. Some believe they reflect complex, stratified societies in which powerful religious or political leaders dictated their design and inspired (and coerced) large numbers of people to contribute their labor to such engineering projects. Skilled "engineers" devised methods for shaping, transporting, and aligning the stones. Other interpreters argue that these massive monuments are clear evidence for equally shared collaboration within and between groups, with people working together on a common project, the successful completion of which fueled social cohesion in the absence of a powerful individual.

Many of these megalithic structures are associated with death. Most recent interpretations stress the role of death and burial as fundamental, public performances in which individual and group identity, cohesion, and dispute were played out. In this reasoning, death and its rituals are viewed as theater, with the deceased as well as grave goods perceived as props, the monument as a stage, the celebrants and mourners as actors, and the entire event proceeding in terms of an (unwritten) script with narrative and plot.

Elaborate megalithic tombs first appeared in the Neolithic period. Some

were built for single burials; others consisted of multiple burial chambers. The simplest type of megalithic tomb was the **dolmen**, built on the post-and-lintel principle (see examples 1 and 2 in "Early Construction Methods," opposite). The tomb chamber was formed of huge upright stones supporting one or more tablelike rocks, or capstones. The structure was then mounded over with smaller rocks and dirt to form a **cairn** or artificial hill. A more imposing structure was the **passage grave**, which was entered by one or more narrow, stone-lined passageways into a large room at the center.

At Newgrange, in Ireland, the mound of an elaborate passage grave (FIG. 1–20) originally stood 44 feet tall and measured about 280 feet in diameter. The mound was built of sod and river pebbles and was set off by a circle of engraved standing stones around its perimeter. Its passageway, 62 feet long and lined with standing stones, leads into a three-part chamber with a corbel **vault** (an arched structure that spans an interior space) rising to a height of 19 feet (see example 3 in "Early Construction Methods," opposite). Some of the stones are engraved with linear designs, mainly rings, spirals, and diamond shapes. These patterns may have been marked out using strings or compasses, then carved by

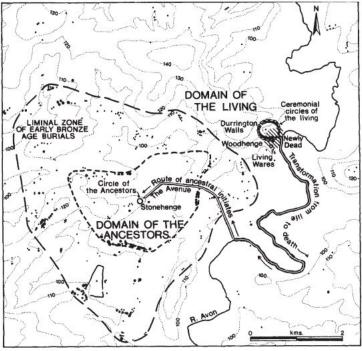
**1-21 • STONEHENGE**Salisbury Plain, Wiltshire,
England. c. 2900–1500 BCE.

#### **EXPLORE MORE:**

Click the Google Earth link for Stonehenge www.myartslab.com



1-22 • PLAN OF STONEHENGE AND ITS SURROUNDING SETTLEMENTS



picking at the rock surface with tools made of antlers. Recent detailed analysis of the art engraved on passage graves like Newgrange, but also at Knowth in Ireland, suggest that the images are entoptic (meaning that their significance and function relate to

the particularities of perception by the eye), and that we should understand them in terms of the neuropsychological effect they would have had on people visiting the tomb. These effects may have included hallucinations. Archaeologists argue that key entoptic motifs were positioned at entrances and other important thresholds inside the tomb, and that they played important roles in ritual or political ceremonies that centered around death, burial, and the commemoration and visitation of the deceased by the living.

STONEHENGE. Of all the megalithic monuments in Europe, the one that has stirred the imagination of the public

most strongly is **STONEHENGE**, on Salisbury Plain in southern England (FIGS. 1–21, 1–22). A **henge** is a circle of stones or posts, often surrounded by a ditch with built-up embankments. Laying out such circles with accuracy would have posed no particular

problem. Architects likely relied on the human compass, a simple but effective surveying method that persisted well into modern times. All that is required is a length of cord either cut or knotted to mark the desired radius of the circle. A person holding one end of the cord is stationed in the center; a co-worker, holding the other end and keeping the cord taut, steps off the circle's circumference. By the time of Stonehenge's construction, cords and ropes were readily available.

Stonehenge is not the largest such circle from the Neolithic period, but it is one of the most complex, with eight different phases of construction and activity starting in the Neolithic in 3000 BCE, and stretching over a millennium and a half through the Bronze Age. The site started as a cemetery of cremation burials marked by a circle of bluestones. Through numerous sequences of alterations and rebuildings, it continued to function as a place of the dead. Between 2900 and 2600 BCE, the bluestones were rearranged into an arc. Around 2500 BCE, a circle of sarsen stones was used to create the famous appearance of the site—sarsen is a gray sandstone—and the bluestones were rearranged within the sarsens. The center of the site was now dominated by a horseshoe-shaped arrangement of five sandstone trilithons, or pairs of upright stones topped by lintels. The one at the middle stood considerably taller than the rest, rising to a height of 24 feet, and its lintel was more than 15 feet long and 3 feet thick. This group was surrounded by the so-called sarsen circle, a ring of sandstone uprights weighing up to 26 tons each and averaging 13 feet 6 inches tall. This circle, 106 feet in diameter, was capped by a continuous lintel. The uprights were tapered slightly

toward the top, and the gently curved lintel sections were secured by **mortise-and-tenon** joints, that is, joints made by a conical projection at the top of each upright that fits like a peg into a hole in the lintel. Over the next thousand years people continued to alter the arrangement of the bluestones and continued to make cremation burials in pits at the site.

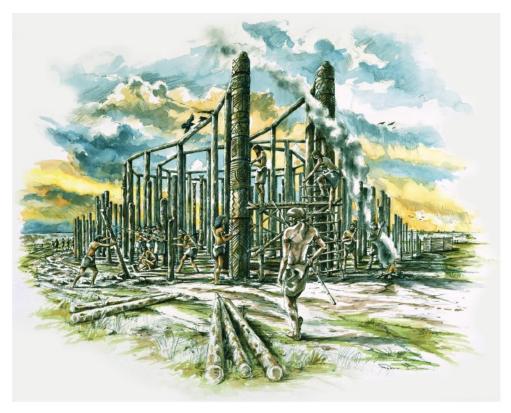
The differences in the types of stone used in the different phases of construction are significant. The use of bluestone in the early phases (and maintained and rearranged through the sequence) is particularly important. Unlike the sarsen stone, bluestone was not locally available and would have been transported over 150 miles from the west, where it had been quarried in the mountains of west Wales. The means of transporting the bluestones such distances remains a source of great debate. Some argue that they were floated around the

coast on great barges; others hold that they were brought over land on wooden rollers. Regardless of the means of transport, the use of this distant material tells us that the people who first transformed the Stonehenge landscape into a ceremonial one probably also had their ancestral origins in the west. By bringing the bluestones and using them in the early Stonehenge cemetery, these migrants made a powerful connection with their homelands.

Through the ages, many theories have been advanced to explain Stonehenge. In the Middle Ages, people thought that Merlin, the magician of the King Arthur legend, had built it. Later, the site was erroneously associated with the rituals of the Celtic druids (priests). Because its orientation is related to the movement of the sun, some people have argued that it may have been an observatory or that it had special importance as a calendar for regulating early agricultural schedules. Today none of these ideas is supported by archaeologists and the current evidence.

It is now believed that Stonehenge was the site of ceremonies linked to death and burial. This theory has been constructed from evidence that looks not only at the stone circles but also at the nearby sites dating from the periods when Stonehenge was in use. A new generation of archaeologists, led by Mike Parker Pearson, has pioneered this contextual approach to the puzzle of Stonehenge (SEE FIG. 1–22).

The settlements built near Stonehenge follow circular layouts, connecting them in plan to the ceremonial site (FIG. 1–23). Unlike the more famous monument, however, these habitations were built



1-23 • RECONSTRUCTION DRAWING OF DURRINGTON WALLS
The settlement at Durrington Walls, near Stonehenge in southern England, 2600 BCE.



## ART AND ITS CONTEXTS

## Intentional House Burning

While much research has focused on the origins and technology of the earliest architecture as at Çatalhöyük, Lepenski Vir, and other sites, some of the most exciting new work has come from studies of how Neolithic houses were destroyed. Excavations of settlements dating to the end of the Neolithic in eastern and central Europe commonly reveal a level of ash and other evidence for great fires that burned down houses at these sites. The common interpretation had been that invaders, coming on horseback from Ukraine and Russia, had attacked these villages and burned the settlements.

In one of the most innovative recent studies, Mira Stevanović and Ruth Tringham exploited the methods of modern forensic science and meticulously reconstructed the patterns of Neolithic house conflagrations. The results proved that the fires were not part of village-wide destructions, but were individual events of firings, confined to particular houses. Most significantly, they showed that each fire had been deliberately set. In fact, in order to get the fires to consume the houses completely, buildings had been stuffed with combustibles before they were set alight. Repeated tests by experimental archaeologists have supported these conclusions. Each intentional, house-destroying fire was part of a ritual killing of the house and a rupture of the historical and social entity that the house had represented for the community. Critically, even in their destruction, prehistoric architecture played important and complex roles within the ways that individuals and community created (and destroyed) social identities and continuities.

of wood, in particular large posts and tree trunks. A mile from Stonehenge is one of these sites, Durrington Walls, which was a large settlement (almost 1,500 feet across) surrounded by a ditch. Inside the site are a number of circles made not from stone but from wood; there are also many circular houses also made with wooden posts. The rubbish left behind at this and similar sites has given archaeologists insights into the inhabitants. Chemical analysis of animal bone debris, for example, indicates that the animals consumed came from great distances before they were slaughtered, and therefore that the people who stayed here had come from regions very far from the site.

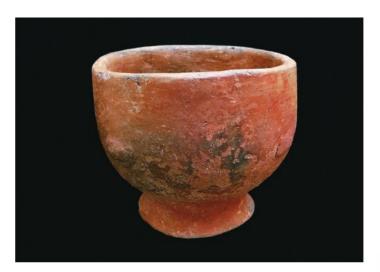
Significantly, both Stonehenge and Durrington Walls are connected to the Avon River by banked avenues. These connected the worlds of the living (the wood settlement) with the world of the dead (the stone circle). Neolithic people would have moved between these worlds as they walked the avenues, sometimes bringing the deceased to be buried or cremated, other times approaching the stone circle for ceremonies and rituals dedicated to the memories of the deceased and the very ancient ancestors. The meaning of Stonehenge therefore rests within an understanding of the larger landscape that contained not only other ritual sites but also the places of the living.

#### SCULPTURE AND CERAMICS

In addition to domestic and ceremonial architecture and a foodproducing economy, the other critical component of the Neolithic way of life was the ability to make ceramic vessels (see "Pottery and Ceramics," page 22). This "pot revolution" marked a shift from a complete reliance on skin, textile, and wooden containers to the use of pots made by firing clay. Pottery provided a new medium of extraordinary potential for shaping and decorating durable objects. Ceramic technology emerged independently, at different times, across the globe, with the earliest examples being produced by the Jomon culture of huntergatherers in Japan in 12,000 BCE (FIG. 1–24). It is extremely difficult to determine with certainty why pottery was first invented or why subsequent cultures adopted it. The idea that pottery would only emerge out of farming settlements is confounded by the example of the Jomon. Rather, it seems that



1-24 • EARLY POTTERY: FROM JAPAN'S JOMON CULTURE
12,000 BCE.



1-25 • EARLY POTTERY: FRANCHTHI CAVE, GREECE 6500 BCE.

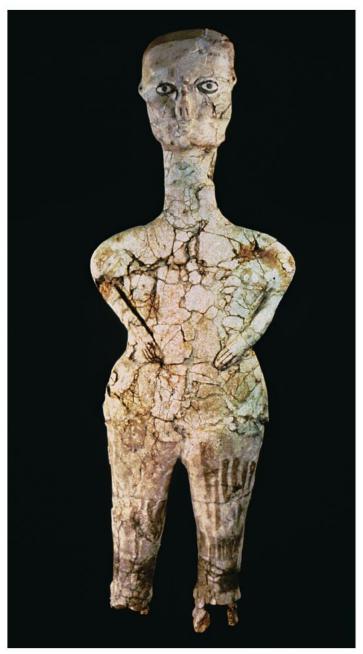
there was no one set of social, economic, or environmental circumstances that led to the invention of ceramics.

It is likely that the technology for producing ceramics evolved in stages. Archaeologist Karen Vitelli's detailed studies of the early Neolithic site at Franchthi Cave, Greece, have shown that pottery making at this site started with an experimental stage during which nonspecialist potters produced a small number of pots. These early pots were used in ceremonies, especially those where medicinal or narcotic plants were consumed (FIG. 1–25). Only later did specialist potters share manufacturing recipes to produce enough pots for standard activities such as cooking and eating. It is probable that a similar pattern occurred in other early potting communities.

In addition to firing clay to make pots, cups, pitchers, and large storage containers, Neolithic people made thousands of miniature figures of humans (see "Prehistoric Woman and Man," page 24). While it was once thought that these figurines refer to fertility cults and matriarchal societies, archaeologists now agree that they had many different functions (as toys, portraits, votives). More importantly, specialists have shown that there are great degrees of similarity in figurine shape and decoration within each distinct cultural region. This degree of similarity, and the huge numbers of figurines that would have been in circulation at any one (Neolithic) place and time, have convinced experts that the critical significance of these objects is that they mark the emergence of the human body as the core location of the human identity. Thus, the central role the body has played in the politics, philosophy and art of historical and modern times began in 6000 BCE with Neolithic figurines.

Prehistoric figures of the human form were most numerous and diverse in the Neolithic of central and eastern Europe. In Jordan in the Near East, at the site of 'Ain Ghazal, archaeologist Gary Rollefson found 32 extraordinary **HUMAN FIGURES** (FIG. 1–26). Dated to 6500 BCE and constructed by covering bundled-twig figures with layers of plaster, the statues were found in two

pits: one assemblage consisted of 12 busts and 13 full figures; in the other were two full figures, two fragmental busts, and three figures which had two heads. The figures, each about 3 feet tall, are disturbing to look at (at least from a modern perspective): the eyes, made with cowrie shells painted with bitumen (a natural asphalt) to represent pupils and the edges of the eyes, are open and make the figures appear lifelike. Nostrils are clearly defined, but the mouths are tight-lipped. Clothes and other features were painted on the bodies. Though without arms, the legs and feet (with toes) are clearly modeled with plaster. The impression is of living, breathing individuals who are not able (or willing) to speak.



**1–26 • HUMAN FIGURE**From 'Ain Ghazal, Jordan. 6500 BCE. Fired lime plaster with cowrie shell, bitumen, and paint, height approx. 35" (90 cm). National Museum, Amman, Jordan.

## **TECHNIQUE | Pottery and Ceramics**

The terms pottery and ceramics may be used interchangeably— and often are. Because it covers all baked-clay wares, **ceramics** is technically a more inclusive term than pottery. Pottery includes all baked-clay wares except **porcelain**, which is the most refined product of ceramic technology.

Pottery vessels can be formed in several ways. It is possible, though difficult, to raise up the sides from a ball of raw clay. Another method is to coil long rolls of soft, raw clay, stack them on top of each other to form a container, and then smooth them by hand. A third possibility is to simply press the clay over an existing form, a dried gourd for example. By about 4000 BCE, Egyptian potters had developed the potter's wheel, a round, spinning platform on which a lump of clay is placed and then formed with the fingers, making it relatively simple to produce a uniformly shaped vessel in a very short time. The potter's wheel appeared in the ancient Near East about 3250 BCE and in China about 3000 BCE.

After a pot is formed, it is allowed to dry completely before it is

fired. Special ovens for firing pottery, called **kilns**, have been discovered at prehistoric sites in Europe dating from as early as 26,000 BCE (as at Dolní Veštonice). For proper firing, the temperature must be maintained at a relatively uniform level. Raw clay becomes porous pottery when heated to at least 500° Centigrade. It then holds its shape permanently and will not disintegrate in water. Fired at 800° Centigrade, pottery is technically known as **earthenware**. When subjected to temperatures between 1,200° and 1,400° Centigrade, certain stone elements in the clay vitrify, or become glassy, and the result is a stronger type of ceramic called **stoneware**.

Pottery is relatively fragile, and new vessels were constantly in demand to replace broken ones, so fragments of low-fired ceramics—fired at the hearth, rather than the higher temperature kiln—are the most common artifacts found in excavations of prehistoric settlements. Pottery fragments, or **potsherds**, serve as a major key in dating sites and reconstructing human living and trading patterns.

Scholars have looked for clues about the function of these figures. The people who lived on the site built and rebuilt houses, replastered walls, and buried their dead under house floors—they even dug down through the floors to retrieve the skulls of longdeceased relatives—just like the inhabitants of Çatalhöyük. They used the same plaster to coat the walls of their houses that they used to make the figures. The site also contains buildings that may have served special, potentially ceremonial functions, and it has been suggested that the figures are linked to these rites. In addition to the figures' lifelike appearance, the similarity between the burial of bodies under house floors and the burial of the plaster figures in pits is striking. At the same time, however, there are differences in the burials: the figures are buried in groups while the humans are not; the figures are buried in pits and not in houses; the figures' eyes are open, as if they are alive and awake. At this point in the research it is difficult to get any closer to a clear understanding of how they were used and what they meant to the people of 'Ain Ghazal.

## NEW METALLURGY, ENDURING STONE

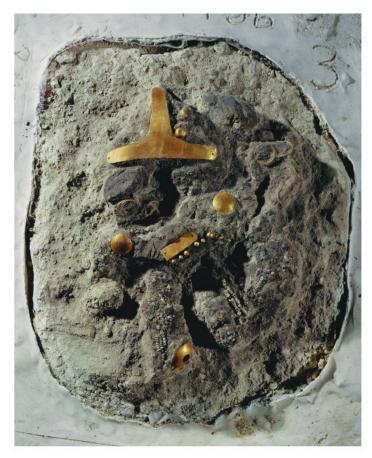
The technology of metallurgy is closely allied to that of ceramics. Although Neolithic culture persisted in northern Europe until about 2000 BCE (and indeed all of its key contributions to human evolution—farming, architecture, and pottery—continue through present times), the age of metals made its appearance in much of Europe about 3000 BCE. In central and southern Europe, and in the Aegean region, copper, gold, and tin had been mined, worked, and traded even earlier. Smelted and cast copper beads and ornaments dated to 4000 BCE have been discovered in Poland.

Metals were first used for ornamentation. Toward the end of the Neolithic, people shaped simple beads by cold-hammering malachite, a green-colored carbonate mineral that can be found on the surface of the ground in many regions. Gold was also one of the first metals to be used in prehistory; it was used to make jewelry (ear, lip, and nose rings) or ornament clothing (appliqués sewn into fabric).

Over time, the objects made from copper and gold became more complicated and technologies of extraction (the mining of copper in Bulgaria) and of metalworking (casting copper) improved. Some of the most sensational (and earliest) gold and copper objects from prehistory were discovered by Ivan Ivanov in the late Neolithic cemetery at Varna on Bulgaria's Black Sea coast. While the cemetery consisted of several hundred burials of men, women and children, a few special burials contained gold and copper artifacts (FIGS. 1-27, 1-28). Objects such as gold-covered scepters, bracelets, beads, armrings, lip-plugs, and copper axes and chisels mark out the graves of a few adult males. In a very few of these graves no skeleton was present: The body was represented by a clay mask richly decorated with gold adornments (SEE FIG. 1–27) and the grave contained extraordinary concentrations of metal and special marine-shell ornaments. As in other prehistoric contexts, death and its attendant ceremonies were the focus for large and visually expressive displays of status and authority.

#### THE BRONZE AGE

The period that followed the introduction of metalworking is commonly called the Bronze Age. Although copper is relatively abundant in central Europe and in Spain, objects fashioned from it are too soft to be functional and therefore usually have a ceremonial



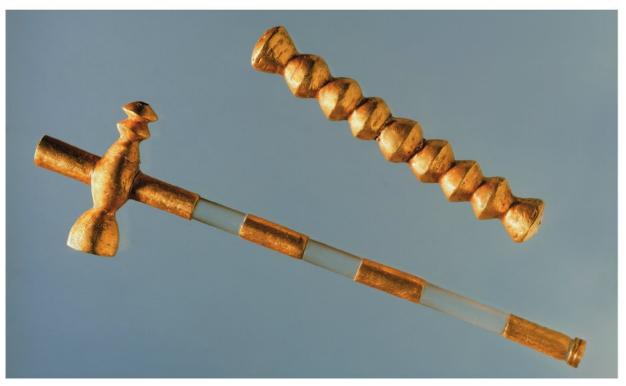
1-27 • GOLD FACE MASK
From Tomb 3, Varna I, Bulgaria. Neolithic, 3800 BCE. Terra cotta and gold. Archaeological Museum, Plovdiv, Bulgaria.

or metaphoric use and value. However, bronze—an **alloy**, or mixture, of tin and copper—is a stronger, harder substance with a wide variety of uses.

The introduction of bronze, especially for weapons such as daggers and short swords, changed the peoples of Europe in fundamental ways. Where copper ore was widely available across Europe, either as surface outcrops or to be mined, the tin that was required to make bronze had a much more limited natural distribution and often required extraction by mining. Power bases shifted within communities as the resources needed to make bronze were not widely available to all. Trade and intergroup contacts across the continent and into the Near East increased, and bronze objects circulated as prized goods.

#### **ROCK CARVINGS**

Bronze Age artistry is not limited to metalworking; indeed, some of the most exciting imagery of the period is found in the rock art of northern Europe. For a thousand years starting around 1500 BCE people scratched outlines of a design, then pecked and ground the surface of exposed rock faces using stone hammers and sometimes grains of sand as an abrasive. The Swedish region of northern Bohuslän is especially rich in rock carvings dating to this period; archaeologists have recorded over 40,000 individual images from more than 1,500 sites. The range of motifs is wide, including boats, animals (bulls, elk, horses, and a few snakes, birds, and fish), people (mostly sexless, some with horned helmets, but also men with erect penises), wheeled vehicles and ploughs (and unassociated



1-28 • GOLD SCEPTERS
From Varna, Bulgaria. 3800 BCE. National Museum of History, Sofia, Bulgaria.



## THE OBJECT SPEAKS

### Prehistoric Woman and Man

For all we know, the person who created these figurines at around 4500 BCE had nothing particular in mind—people had been modeling clay figures in southeastern Europe for a long time. Perhaps a woman who was making cooking and storage pots out of clay amused herself by fashioning images of the people she saw around her. But because these figures were found in a grave in Cernavodă, Romania, they suggest to us an otherworldly message.

The woman, spread-hipped and big-bellied, sits directly on the ground, expressive of the mundane world. She exudes stability and fecundity. Her ample hips and thighs seem to ensure the continuity of her family. But in a lively, even elegant, gesture, she joins her hands coquettishly on one raised knee, curls up her toes, and tilts her head upward. Though earthbound, is she a spiritual figure communing with heaven? Her upwardly tilted head could suggest that she is watching the smoke rising from the hearth, or worrying about holes in the roof, or admiring hanging containers of laboriously gathered drying berries, or gazing adoringly at her partner. The man is rather slim, with massive legs and shoulders. He rests his head on his hands in a brooding, pensive

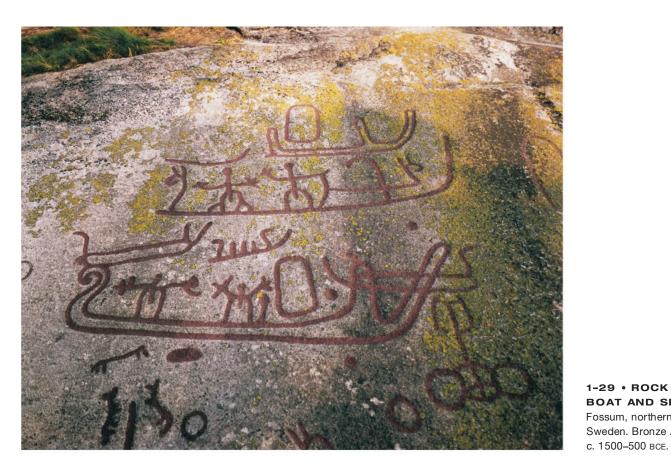
pose, evoking thoughtfulness, even weariness or sorrow.

We can interpret the Cernavodă woman and man in many ways, but we cannot know what they meant to their makers or owners. Depending on how they are displayed, we spin out different stories about them. When set facing each other, side by side as they are in the photograph, we tend to see them as a couple—a woman and man in a relationship. In fact, we do not know whether the artist conceived of them in this way, or even made them at the same time. For all their visual eloquence, their secrets remain hidden from us.





FIGURES OF A WOMAN AND A MAN
From Cernavodă, Romania. c. 4500 BCE. Ceramic, height 4½" (11.5 cm). National Historical Museum, Bucharest.



1-29 • ROCK ART: **BOAT AND SEA BATTLE** Fossum, northern Bohuslän, Sweden. Bronze Age.

disks, circles, and wheels), and weapons (swords, shields, and helmets). Within this range, however, the majority of images are boats (FIG. 1-29), not just in Sweden but across northern Europe. Interestingly, the boat images are unlike the boats that archaeologists have excavated. The rock-engraved images do not have masts nor are they the dugouts or log boats that are known from this period. Instead they represent boats made from wooden planks or with animal skins.

What is the meaning of these boat images? It is generally agreed that the location of the majority of the rock art (near current or past shorelines) is the critical clue to their meaning. Archaeologist Richard Bradley suggests that rock art connects sky, earth, and sea, perhaps reflecting the community's view of the three-part nature of the universe. Others suggest that the art is intentionally located between water and earth to mark a boundary between the living and the spirit worlds. In this view, the character of the rock (permanent and grounded deep in the earth) provided a means of communication and connection between distinct worlds.

For people of the prehistoric era, representational and abstract art had a symbolic importance that matched the labor required to paint in the deep recesses of caves, move enormous stones great distances, or create elaborately ornamented masks. This art and architecture connected the worlds of the living and the spirits, established social power hierarchies, and helped people learn and remember critical information about the natural world. It was not art for art's sake, but it was one of the fundamental elements of our development as a human species.

## THINK ABOUT IT

- 1.1 Discuss the likely origins of art in its earliest days in the prehistoric past. What needs are the visual arts believed to have first fulfilled in human culture?
- What are the common motifs found in cave paintings such as those at Lascaux and Altamira? Summarize the current theories about their original purpose.
- 1.3 Explain how Stonehenge was likely created and discuss its probable purpose, according to present interpretations.
- **1.4** Discuss what the use and meaning of figurines such as the Paleolithic Woman from Willendorf (SEE FIG. 1-7) and Neolithic Figures of a Woman and a Man (see "Prehistoric Woman and Man," opposite) might have been and contrast the forms of the two directly.
- **1.5** How did the emergence of ceramics and metallurgy transform art making in the Neolithic era? Select and analyze a work discussed in the chapter that was made in one of these new media and discuss the unique properties of the medium.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**2-1 • STELE OF NARAM-SIN**Sippar. Found at Susa.
Naram-Sin r. 2254–2218 BCE. Limestone,

height 6'6" (1.98 m). Musée du Louvre, Paris.

# ART OF THE ANCIENT NEAR EAST

In public works such as this stone stele (upright stone slab), the artists of Mesopotamia developed a sophisticated symbolic visual language—a kind of conceptual art—that both celebrated and communicated the political stratification that gave order and security to their world. Akkadian ruler Naram-Sin (ruled 2254-2218 BCE) is pictured proudly here (FIG. 2-1). His preeminence is signaled directly by size: he is by far the largest person in this scene of military triumph, conforming to an artistic practice we call hieratic scale, where relative size indicates relative importance. He is also elevated well above the other figures, boldly silhouetted against blank ground, striding toward a stylized peak that recalls his own shape, increasing his own sense of grandeur by association. He clasps a veritable arsenal of weaponry-spear, battle axe, bow and arrow-and the grand helmet that crowns his head sprouts horns, an attribute heretofore reserved for gods, here claiming divinity for this earthly ruler. Art historian Irene Winter has gone even further, pointing to the eroticized pose and presentation of Naram-Sin, to the conspicuous display of a well-formed male body. In ancient Mesopotamian culture, male potency and vigor were directly related to political power and dominance. Like the horns of his helmet, toned, muscular bodies were most frequently associated with gods. Thus every aspect of the representation of this

ruler speaks to his religious and political authority as leader of the state.

This stele is more than an emblem of Naram-Sin's divine right to rule, however. It also tells the story of one of his important military victories. The ruler stands above a crowded scene enacted by smaller figures. Those to the left, dressed and posed in a fashion similar to their ruler, represent his army, marching in diagonal bands up the hillside into battle. The artist has included identifiable native trees along the mountain pathway to heighten the sense that this portrays an actual event rather than a generic battle scene. Before Naram-Sin, both along the right side of the stele and smashed under his forward striding leg, are representations of the enemy, in this case the Lullubi people from eastern Mesopotamia (modern Iran). One diminutive adversary has taken a fatal spear to the neck, while companions behind and below him beg for mercy.

Perhaps this ancient art, which combines symbols with stories, looks naïve or crude in relation to our own artistic standards, but we should avoid allowing such modern value judgments to block our appreciation of the artistic accomplishments of the ancient Near East—or, indeed, the art of any era or culture. For these ancient works of art maintain the power to communicate with us forcefully and directly, even across over four millennia of historical distance.

### **LEARN ABOUT IT**

- **2.1** Explore the development of visual narrative conventions to tell stories of gods, heroes, and rulers in the sculpted reliefs of the ancient Near East.
- 2.2 Discover how artists of the ancient Near East used colorful and precious materials to create dazzling effects in art and architecture.
- 2.3 Survey the various ways rulers in the ancient Near East expressed their power in portraits, historical narrative, and great palace complexes.
- **2.4** Appreciate the distinctive form of architecture that evolved for worship.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

# THE FERTILE CRESCENT AND MESOPOTAMIA

Well before farming communities appeared in Europe, people in Asia Minor and the ancient Near East domesticated grains. This first occurred in an area known today as the Fertile Crescent (MAP 2–1). A little later, in the sixth or fifth millennium BCE, agriculture developed in the alluvial plains between the Tigris and Euphrates rivers, which the Greeks called *Mesopotamia*, meaning the "land between the rivers," now in present-day Iraq. Because of problems with periodic flooding as well as drought, there was a need for large-scale systems to control the water supply. Meeting this need may have contributed to the development of the first cities.

Between 4000 and 3000 BCE, a major cultural shift seems to have taken place. Agricultural villages evolved into cities simultaneously and independently in both northern and southern Mesopotamia. These prosperous cities joined with their surrounding territories to create what are known as city-states, each with its own gods and government. Social hierarchies—rulers and workers—emerged with the development of specialized skills beyond those needed for agricultural work. To grain mills and ovens were added brick and pottery kilns and textile and metal workshops. With extra goods and even modest affluence came increased trade and contact with other cultures.

Builders and artists labored to construct huge temples and government buildings. Organized religion played an important role, and the people who controlled rituals and the sacred sites eventually became priests. The people of the ancient Near East worshiped numerous gods and goddesses. Each city had a special protective deity, and people believed the fate of the city depended on the power of that deity (The names of comparable deities varied over time and place—for example, Inanna, the Sumerian goddess of fertility, love, and war, was equivalent to the Babylonians' Ishtar.) Large architectural complexes—clusters of religious, administrative, and service buildings—developed in each city as centers of ritual and worship and also of government.

Although the stone-free alluvial plain of southern Mesopotamia was prone to floods and droughts, it was a fertile bed for agriculture and successive, interlinked societies. But its wealth and agricultural resources, as well as its few natural defenses, made Mesopotamia vulnerable to political upheaval. Over the centuries, the balance of power shifted between north and south and between local powers and outside invaders. First the Sumerians controlled the south, filling their independent city-states with the fruits of new technology, literacy, and impressive art and architecture. Then they were eclipsed by the Akkadians, their neighbors to the north. When invaders from farther north in turn conquered the Akkadians, the Sumerians regained power locally. During this period the city-states of Ur and Lagash thrived under strong leaders. The Amorites were next to dominate the south. Under them and their king, Hammurabi, a new, unified society arose with its capital in the city of Babylon.

#### **SUMER**

The cities and city-states that developed along the rivers of southern Mesopotamia between about 3500 and 2340 BCE are known collectively as Sumer. The Sumerians, who had migrated from the north but whose origins are otherwise obscure, are credited with important "firsts." They may have invented the wagon wheel and the plow. But perhaps their greatest contribution to later civilizations was the invention in about 3100 BCE of a form of writing on clay tablets.

WRITING. Sumerians pressed cuneiform ("wedge-shaped") symbols into clay tablets with a stylus, a pointed writing instrument, to keep business records (see "Cuneiform Writing," page 30). Thousands of surviving Sumerian tablets have allowed scholars to trace the gradual evolution of writing and arithmetic, another tool of commerce, as well as an organized system of justice. The world's first literary epic also has its origins in Sumer, although the fullest surviving version of this tale is written in Akkadian, the language of Sumer's neighbors to the north. The Epic of Gilgamesh records the adventures of a legendary Sumerian king of Uruk and his companion Enkidu. When Enkidu dies, a despondent King Gilgamesh sets out to find the secret of eternal life from the only man and woman who had survived a great flood sent by the gods to destroy the world, because the gods had granted them immortality. Gilgamesh ultimately accepts his own mortality, abandons his quest, and returns to Uruk, recognizing the majestic city as his lasting accomplishment.

THE ZIGGURAT. The Sumerians' most impressive surviving archaeological remains are their **ziggurats**, huge stepped structures with a temple or shrine on top. The first ziggurats may have developed from the practice of repeated rebuilding at a sacred site, with rubble from one structure serving as the foundation for the next. Elevating the buildings also protected the shrines from flooding.

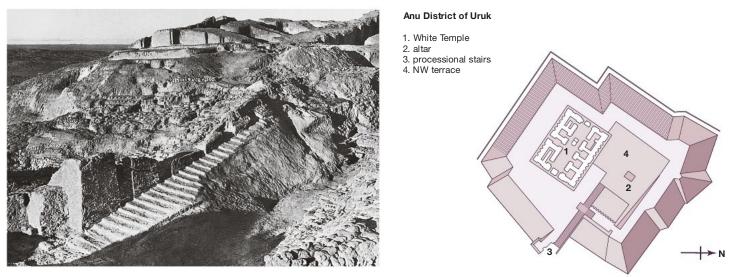
Whatever the origin of their design, ziggurats towering above the flat plain proclaimed the wealth, prestige, and stability of a city's rulers and glorified its gods. Ziggurats functioned symbolically too, as lofty bridges between the earth and the heavens—a meeting place for humans and their gods. They were given names such as "House of the Mountain" and "Bond between Heaven and Earth."

URUK. Two large temple complexes in the 1,000-acre city at Uruk (present-day Warka, Iraq) mark the first independent Sumerian city-state. One was dedicated to Inanna, the goddess of love and war, while the other complex belonged to the sky god Anu. The temple platform of Anu, built up in stages over the centuries, ultimately rose to a height of about 40 feet. Around 3100 BCE, a whitewashed brick temple that modern archaeologists refer to as the White Temple was erected on top of the platform (FIG. 2–2). This now-ruined structure was a simple rectangle with an off-center doorway that led into a large chamber containing an altar, and smaller spaces opened to each side.



MAP 2-1 • THE ANCIENT NEAR EAST

The green areas represent fertile land that would support early agriculture, notably the area between the Tigris and Euphrates rivers and the strips of land on either side of the Nile in Egypt.



2-2 • RUINS AND PLAN OF THE ANU ZIGGURAT AND WHITE TEMPLE

Uruk (present-day Warka, Iraq). c. 3300-3000 BCE.

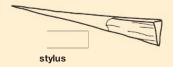
Many ancient Near Eastern cities still lie undiscovered. In most cases an archaeological site in a region is signaled by a large mound—known locally as a *tell*, *tepe*, or *huyuk*—that represents the accumulated debris of generations of human habitation. When properly excavated, such mounds yield evidence about the people who inhabited the site.

EXPLORE MORE: View a simulation about the White Temple www.myartslab.com

## **TECHNIQUE** I Cuneiform Writing

Sumerians invented writing around 3100 BCE, apparently as an accounting system for goods traded at Uruk. The symbols were pictographs, simple pictures cut into moist clay slabs with a pointed tool. Between 2900 and 2400 BCE, the symbols evolved from pictures into phonograms—representations of syllable sounds—thus becoming a writing system as we know it. During the same centuries, scribes adopted a stylus, or writing tool, with one triangular end and one pointed end that could be pressed easily and rapidly into a wet clay tablet to produce cuneiform writing.

These drawings demonstrate the shift from pictographs to cuneiform. The c. 3100 BCE drawing of a bowl (which means "bread" or "food") was reduced to a four-stroke sign by about 2400 BCE, and by about 700 BCE to a highly abstract arrangement of vertical marks. By combining the pictographs and, later, cuneiform signs, writers created composite signs; for example, a combination of the signs for "head" and "food" meant "to eat."



bull's head bowl bread, food

early cuneiform sign later cuneiform sign

pictograph

symbols

Statues of gods and donors were placed in Sumerian temples. A striking life-size marble face from Uruk (see "Art as Spoils of War," page 32) may represent a goddess. It could have been attached to a wooden head on a full-size wooden body. Now stripped of its original paint, wig, and the **inlay** set in for brows and eyes, it appears as a stark white mask. Shells may have been used for the whites of the eyes and lapis lazuli for the pupils, and the hair may have been gold.

A tall vessel of carved alabaster (a fine, white stone) found near the temple complex of Inanna at Uruk (FIG. 2–3) shows how early Mesopotamian sculptors told stories in stone with great clarity and economy. The visual narrative here is organized into three **registers**, or horizontal bands, and the story condensed to its essential

### 2-3 • CARVED VESSEL

From Uruk (present-day Warka, Iraq). c. 3300–3000 BCE. Alabaster, height 36" (91 cm). Iraq Museum, Baghdad.





elements. The lowest register shows in a lower strip the sources of life in the natural world, beginning with water and plants (variously identified as date palm and barley, wheat and flax) and continuing in a superimposed upper strip, where alternating rams and ewes march single file along a solid ground line. In the middle register naked men carry baskets of foodstuffs, and in the top register, the goddess Inanna accepts an offering from two standing figures. Inanna stands in front of the gate to her richly filled shrine and storehouse, identified by two reed door poles hung with banners. The two men who face her are thought to be first a naked priest or acolyte presenting an offering-filled basket, followed by a partially preserved, ceremonially dressed figure of the priest-king (not visible in FIG. 2-3). The scene may represent a re-enactment of the ritual marriage between the goddess and Dumuzi, her consort—a role taken by the priest-king—that took place during the New Year's festival to ensure the fertility of crops, animals, and people, and thus the continued survival of Uruk.

VOTIVE FIGURES. Limestone statues dated to about 2900–2600 BCE from the Square Temple in Eshnunna (FIG. 2–4), excavated in 1932–1933, reveal another aspect of Sumerian religious art. These votive figures of men and women—images dedicated to the gods—are directly related to an ancient Near Eastern devotional practice in which individual worshipers could set up images of themselves in a shrine before a larger, more elaborate image of a god. A simple inscription might identify the figure as "One who offers prayers." Longer inscriptions might recount in detail all the

things the donor had accomplished in the god's honor. Each sculpture served as a stand-in for the donor, locked in eye-contact with the god, caught perpetually in the act of worship.

The sculptors of these votive statues followed conventions that were important in Sumerian art. Figures are represented with stylized faces and bodies, dressed in clothing that emphasizes pure cylindrical shapes. They stand solemnly, hands clasped in respect, perhaps a posture expected in devotional contexts. The bold, glaring eyes may be related to statements in contemporary Sumerian texts that advise worshipers to approach their gods with an attentive gaze. As with the face of the woman from Uruk, arched brows were inlaid with dark shell, stone, or bitumen that once emphasized the huge, staring eyes. The male figures, barechested and dressed in what appear to be sheepskin skirts, are stocky and muscular, with heavy legs, large feet, big shoulders, and cylindrical bodies. The female figures are as massive as the men. Their long sheepskin skirts reveal sturdy legs and feet.

Sumerian artisans worked in various precious metals, and in bronze, often combining them with other materials. Many of these creations were decorated with—or were in the shape of—animals or composite animal-human-bird creatures. A superb example of their skill is a lyre—a kind of harp—from the city of Ur (present-day Muqaiyir, Iraq), to the south of Uruk. This combines wood, gold, lapis lazuli, and shell (see "A Lyre from a Royal Tomb in Ur," pages 34–35). Projecting from the base is a wood-sculpted head of a bearded bull overlaid with gold, intensely lifelike despite the decoratively patterned blue beard created from the semiprecious



#### 2-4 • VOTIVE FIGURES

From the Square Temple, Eshnunna (present-day Tell Asmar, Iraq). c. 2900–2600 BCE. Limestone, alabaster, and gypsum, height of largest figure approx. 30" (76.3 cm). Oriental Institute of the University of Chicago.



# ART AND ITS CONTEXTS

## Art as Spoils of War—Protection or Theft?

Art has always been a casualty in times of social unrest. One of the most recent examples is the looting of the unguarded Iraq National Museum after the fall of Baghdad to U.S.-led coalition forces in April 2003. Among the many thousands of treasures that were stolen is a precious marble head of a woman from Warka, over 5,000 years old. Fortunately it was later recovered, but not without significant damage. Also looted was a carved Sumerian vessel (FIG. 2–3), eventually returned to the museum two months later, shattered into 14 pieces. The museum itself managed to reopen in 2009, but thousands of its antiquities are still missing.

Some of the most bitter resentment spawned by war has involved the taking by the victors of art objects that held great value for the conquered population. Two historically priceless objects unearthed in Elamite Susa, for example—the Akkadian Stele of Naram-Sin (SEE FIG. 2–1) and the Babylonian Stele of Hammurabi (see page 38)—were not Elamite at all, but Mesopotamian. Both had been brought there as military trophies by an Elamite king, who added an inscription to the Stele of Naram-Sin explaining that he had merely "protected" it. Uncovered in Susa during excavations organized by French archaeologist Jacques de Morgan, both works were taken back to Paris at the turn of the twentieth century and are now displayed in the Louvre. Museums around the world contain such works, either snatched by invading armies or acquired as a result of conquest.

The Rosetta Stone, the key to deciphering Egyptian hieroglyphs, was discovered in Egypt by French troops in 1799, fell into British hands when they forced the French from Egypt, and ultimately ended up in the British Museum in London (see page 77). In the early nineteenth century, the Briton Lord Elgin purchased and removed classical Greek sculpture from the Parthenon in Athens with the permission of the Ottoman authorities who governed Greece at the time (see page 135). Although his actions may indeed have protected these treasures from neglect and damage in later wars, they have remained installed in the British Museum, despite continuing protests from Greece. Many German collections include works that were similarly "protected" at the end of World War II and are surfacing now. In the United States, Native Americans are increasingly vocal in their demands that artifacts and human remains collected by anthropologists and archaeologists be returned to them.

"To the victor," it is said, "belong the spoils." But passionate and continuous debate surrounds the question of whether this notion remains valid in our own time, especially in the case of revered cultural artifacts.



FACE OF A WOMAN, KNOWN AS THE WARKA HEAD Displayed by Iraqi authorities on its recovery in 2003 by the Iraq Museum in Baghdad. The head is from Uruk (present-day Warka, Iraq). c. 3300–3000 BCE. Marble, height approx. 8" (20.3 cm).

gem stone, lapis lazuli. Since lapis lazuli had to be imported from Afghanistan, the work documents widespread trade in the region at this time.

CYLINDER SEALS. About the time written records appeared, Sumerians developed seals for identifying documents and establishing property ownership. By 3300–3100 BCE, record keepers redesigned the stamp seal as a cylinder. Rolled across documents on clay tablets or over the soft clay applied to a closure

that needed sealing—a jar lid, the knot securing a bundle, or the door to a room—the cylinders left a raised mirror image of the design incised (cut) into their surface. Such sealing attested to the authenticity or accuracy of a text or assured that no unauthorized person could gain access to a room or container. Sumerian **cylinder seals**, usually less than 2 inches high, were generally made of a hard stone so that the tiny but elaborate incised scenes would not wear away during repeated use. Individuals often acquired seals as signs of status or on appointment to a high





2-5 • CYLINDER SEAL AND ITS MODERN IMPRESSION

Tomb of Queen Puabi (PG 800), Ur (present-day Muqaiyir, Iraq). c. 2600–2500 BCE. Lapis lazuli, height 19/6" (4 cm), diameter 25/62" (2 cm). University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia.

administrative position, and the seals were buried with them, along with other important possessions.

The lapis lazuli **CYLINDER SEAL** in **FIG. 2–5** is one of over 400 that were found in excavations of the royal burials at Ur. It comes from the tomb of a royal woman known as Puabi, and was found leaning against the right arm of her body. The modern clay impression of its incised design shows two registers of a convivial banquet at which all the guests are women, with fringed skirts and long hair gathered up in buns behind their necks. Two seated women in the upper register raise their glasses, accompanied by standing servants, one of whom, at far left, holds a fan. The single seated figure in the lower register sits in front of a table piled with food, while a figure behind her offers a cup of drink, presumably drawn from the jar she carries in her other hand, reminiscent of the container held by the lion on the lyre plaque (see page 35, FIG. C). Musical entertainment is provided by four women, standing to the far right.

### **AKKAD**

During the Sumerian period, a people known as the Akkadians had settled north of Uruk. They adopted Sumerian culture, but unlike the Sumerians, the Akkadians spoke a Semitic language (the same family of languages that includes Arabic and Hebrew). Under the powerful military and political figure Sargon I (ruled c. 2332–2279 BCE), they conquered most of Mesopotamia. For more than half a century, Sargon, "King of the Four Quarters of the World," ruled this empire from his capital at Akkad, the actual site of which is yet to be discovered.

HEAD OF A RULER. Few artifacts can be identified with Akkad, making a life-size bronze head—found in the northern city of Nineveh (present-day Kuyunjik, Iraq) and thought to date from the time of Sargon—especially precious (FIG. 2–6). It is the earliest major work of hollow-cast copper sculpture known in the ancient Near East.

The facial features and hairstyle probably reflect a generalized ideal rather than the appearance of a specific individual, although



2-6 • HEAD OF A MAN (KNOWN AS AKKADIAN RULER)

From Nineveh (present-day Kuyunjik, Iraq). c. 2300–2200 BCE. Copper alloy, height 143 &" (36.5 cm). Iraq Museum, Baghdad.



# THE OBJECT SPEAKS

### A Lyre from a Royal Tomb in Ur

Sir Leonard Woolley's excavations at Ur during the 1920s initially garnered international attention because of the association of this ancient Mesopotamian city with the biblical patriarch Abraham. It was not long, however, before the exciting discoveries themselves moved to center stage, especially 16 royal burials that yielded spectacular objects crafted of gold and lurid evidence of the human sacrifices associated with Sumerian royal burial practices, when retainers were seemingly buried with the rulers they served.

Woolley's work at Ur was a joint venture of the University of Pennsylvania Museum in Philadelphia and the British Museum in London, and in conformance with Iraq's Antiquities Law of 1922, the uncovered artifacts were divided between the sponsoring

institutions and Iraq itself. Although Woolley worked with a large team of laborers and assistants over 12 seasons of digging at Ur, he and his wife Katherine reserved for themselves the painstakingly delicate process of uncovering the most important finds. Woolley's own account of work within one tomb outlines the practice-"Most of the workmen were sent away ... so that the final work with knives and brushes could be done by my wife and myself in comparative peace. For ten days the two of us spent most of the time from sunrise to sunset lying on our tummies brushing and blowing and threading beads in their order as they lay.... You might suppose that to find three-score women all richly bedecked with jewelry could be a very thrilling experience, and so it is, in retrospect, but I'm afraid that at the moment one is much more conscious of the toil than of the thrill" (quoted in Zettler and Horne, p. 31).

One of the most spectacular discoveries in the royal burials at Ur was an elaborate lyre, which rested over the body of the woman who had presumably played it during the funeral ceremony for the royal figure buried nearby. Like nine other lyres Woolley found at Ur, the wooden sound box of this one had long since deteriorated and disappeared, but an exquisitely crafted bull's head finial of gold and lapis lazuli survived, along with a plague of carved shell inlaid with bitumen, depicting at the top a heroic image of a man interlocked with and in control of two bulls, and below them three scenes of animals personifying the activities of humans. On one register, a seated donkey plucks the strings of a bull lyre-similar to the instrument on which this set of images originally appeared-stabilized by a standing bear, while a fox accompanies him with a rattle. On the register above, upright animals bring food and drink for a feast. A hyena to the left-assuming the role of a butcher with a knife in his belt-carries a table piled high with meat. A lion follows, toting a large jar and pouring vessel.

The top and bottom registers are particularly intriguing in relation to the Epic of Gilgamesh, a 3,000-line poem that is Sumer's great contribution to world literature. Rich in descriptions of heroic feats and fabulous creatures, Gilgamesh's story probes the question of immortality and expresses the heroic aim to understand hostile surroundings and to find meaning in human existence. Gilgamesh encounters scorpionmen, like the one pictured in the lowest register, and it is easy to see the hero himself in the commanding but unprotected bearded figure centered in the top register, naked except for a wide belt, masterfully controlling in his grasp the two powerfully rearing human-headed bulls that flank him. Because the poem was first written down 700 years after this harp was created, this plaque may document a very long oral tradition.

On another level, because we know lyres were used in funeral rites, this imagery may



A. KATHERINE AND LEONARD WOOLLEY (ABOVE) EXCAVATING AT UR IN 1937, BESIDE TWO ARCHAEOLOGICAL ASSISTANTS IN ONE OF THE ROYAL BURIALS

Archives of the University of Pennsylvania Museum, Philadelphia.

depict a heroic image of the deceased in the top register, and a funeral banquet in the realm of the dead at the bottom. The animals shown are the traditional guardians of the gateway through which the deceased had first to pass. Cuneiform tablets preserve songs of mourning, perhaps chanted by priests accompanied by lyres at funerals. One begins, "Oh, lady, the harp of mourning is placed on the ground," a particularly poignant statement considering that the lyres of Ur may have been buried on top of the sacrificed bodies of the women who originally played them.



### B. THE GREAT LYRE WITH BULL'S HEAD

Royal Tomb (PG 789), Ur (present-day Muqaiyir, Iraq). c. 2600-2500 BCE. Wood with gold, silver, lapis lazuli, bitumen, and shell, reassembled in modern wood support; height of head 14" (35.6 cm); height of front panel 13" (33 cm); maximum length of lyre 551/2" (140 cm); height of upright back arm 461/2" (117 cm). University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia.

### C. FRONT PANEL, THE SOUND BOX OF THE GREAT LYRE Ur (present-day Muqaiyir, Iraq). Wood with shell inlaid in bitumen, height $12^{1}4 \times 4^{1}2^{\prime\prime}$ (31.1 $\times$ 11 cm). University of Pennsylvania Museum of

Archaeology and Anthropology, Philadelphia.



the sculpture was once identified as Sargon himself. The enormous curling beard and elaborately braided hair (circling the head and ending in a knot at the back) indicate both royalty and ideal male appearance. The deliberate damage to the left side of the face and eye suggests that the head was symbolically mutilated to destroy its power. Specifically, the ears and the inlaid eyes appear to have been removed to deprive the head of its ability to hear and see.

THE STELE OF NARAM-SIN. The concept of imperial authority was literally carved in stone by Sargon's grandson Naram-Sin (SEE FIG. 2–1). This 6½-foot-high stele memorializes one of his military victories, and is one of the first works of art created to celebrate a specific achievement of an individual ruler. The inscription states that the stele commemorates the king's victory over the Lullubi people of the Zagros Mountains. Watched over by three solar deities (symbolized by the rayed suns at the top of the stele) and wearing a horned helmet-crown—heretofore associated only with gods—the hieratically scaled king stands proudly above his soldiers and his fallen foes, boldly silhouetted against the sky next to the smooth surface of a mountain. Even the shape of the stone slab is used as an active part of the composition. Its tapering top perfectly accommodates the carved mountain within it, and Naram-Sin is posed to reflect the profile of both.

### **UR AND LAGASH**

The Akkadian Empire fell around 2180 BCE to the Guti, a mountain people from the northeast. For a brief time, the Guti controlled most of the Mesopotamian plain, but ultimately Sumerian people regained control of the region and expelled the Guti in 2112 BCE, under the leadership of King Urnammu of Ur. He reintroduced the Sumerian language and sponsored magnificent building campaigns, notably a ziggurat dedicated to the moon god Nanna, also called Sin (FIG. 2–7). Although located

on the site of an earlier temple, this imposing mud-brick structure was not the accidental result of successive rebuilding. Its base is a rectangle 205 by 141 feet, with three sets of stairs converging at an imposing entrance gate atop the first of what were three platforms. Each platform's walls slope outward from top to base, probably to prevent rainwater from forming puddles and eroding the mudbrick pavement below. The first two levels of the ziggurat and their retaining walls are recent reconstructions.

One large Sumerian city-state remained independent throughout this period: Lagash, whose capital was Girsu (present-day Telloh, Iraq), on the Tigris River. Gudea, the ruler, built and restored many temples, and within them, following a venerable Mesopotamian tradition, he placed votive statues representing himself as governor and embodiment of just rule. The statues are made of diorite, a very hard stone, and the difficulty of carving it may have prompted sculptors to use compact, simplified forms for the portraits. Or perhaps it was the desire for powerful, stylized images that prompted the choice of this imported stone for this series of statues. Twenty of them survive, making Gudea a familiar figure in the study of ancient Near Eastern art.

Images of Gudea present him as a strong, peaceful, pious ruler worthy of divine favor (FIG. 2–8). Whether he is shown sitting or standing, he wears a long garment, which provides ample, smooth space for long cuneiform inscriptions. In this imposing statue, only 2½ feet tall, his right shoulder is bare, and he wears a cap with a wide brim carved with a pattern to represent fleece. He holds a vessel in front of him, from which life-giving water flows in two streams, each filled with leaping fish. The text on his garment states that he dedicated himself, the statue, and its temple to the goddess Geshtinanna, the divine poet and interpreter of dreams. The sculptor has emphasized the power centers of the human body: the eyes, head, and smoothly muscled chest and arms. Gudea's face is youthful and serene, and his eyes—oversized and



**2-7 • NANNA ZIGGURAT**Ur (present-day Muqaiyir, Iraq). c. 2100–2050 BCE.



2-8 • VOTIVE STATUE OF GUDEA
Girsu (present-day Telloh, Iraq). c. 2090 BCE. Diorite, height 29"
(73.7 cm). Musée du Louvre, Paris.

**EXPLORE MORE:** Gain insight from a primary source related to the statue of Gudea www.myartslab.com

wide open—perpetually confront the gaze of the deity with intense concentration.

#### **BABYLON**

For more than 300 years, periods of political turmoil alternated with periods of stable government in Mesopotamia, until the Amorites (a Semitic-speaking people from the Syrian Desert, to the west) reunited the region under Hammurabi (ruled 1792–1750 BCE). Hammurabi's capital city was Babylon and his subjects were called Babylonians. Among Hammurabi's achievements was a written legal code that detailed the laws of his realm and the penalties for breaking them (see "The Code of Hammurabi," page 38).

### THE HITTITES OF ANATOLIA

Outside of Mesopotamia, other cultures developed and flourished in the ancient Near East. Anatolia (present-day Turkey) was home to several independent cultures that had resisted Mesopotamian domination, but the Hittites—whose founders had moved into the mountains and plateaus of central Anatolia from the east—were the most powerful among them.

The Hittites established their capital at Hattusha (near present-day Boghazkoy, Turkey) about 1600 BCE, and the city thrived until its destruction about 1200 BCE. Through trade and conquest, the Hittites created an empire that stretched along the coast of the Mediterranean Sea in the area of present-day Syria and Lebanon, bringing them into conflict with the Egyptian Empire, which was expanding into the same region (see Chapter 3). The Hittites also made incursions into Mesopotamia, and their influence was felt throughout the region.

The Hittites may have been the first people to work in iron, which they used for war chariot fittings, weapons, chisels, and hammers for sculptors and masons. They are noted for the artistry of their fine metalwork and for their imposing palace citadels with double walls and fortified gateways, that survive today only in the ruins of archaeological sites. One of the most monumental of these sites consists of the foundations and base walls of the Hittite stronghold at Hattusha, which date to about 1400–1300 BCE. The lower walls were constructed of stone supplied from local quarries, and the upper walls, stairways, and walkways were finished in brick.

The blocks of stone used to frame doorways at Hattusha were decorated in high relief with a variety of guardian figures—some of them 7 feet tall. Some were half-human—half-animal creatures; others were



# ART AND ITS CONTEXTS

### The Code of Hammurabi

Babylonian ruler Hammurabi's systematic codification of his people's rights, duties, and punishments for wrongdoing was engraved on a black diorite slab known as the Stele of Hammurabi. This imposing artifact, therefore, is both a work of art that depicts a legendary event and a precious historical document that records a conversation about justice between god and man.

At the top of the stele, we see Hammurabi standing in an attitude of prayer before Shamash, the sun god and god of justice. Rays rise from Shamash's shoulders as he sits, crowned by a conical horned cap, on a backless throne, holding additional symbols of his power—the measuring rod and the rope circle. Shamash gives the law to the king, his intermediary, and the codes of justice flow forth underneath them in horizontal bands of exquisitely engraved cuneiform signs. The idea of god-given laws engraved on stone tablets has a long tradition in the ancient Near East: Moses, the lawgiver of Israel, received two stone tablets containing the Ten Commandments from God on Mount Sinai (Exodus 32:19).

A prologue on the front of the stele lists the temples Hammurabi has restored, and an epilogue on the back glorifies him as a peacemaker, but most of the stele "publishes" the laws themselves, guaranteeing uniform treatment of people throughout his kingdom. Within the inscription, Hammurabi declares that he intends "to cause justice to prevail in the land and to destroy the wicked and the evil, that the strong might not oppress the weak nor the weak the strong." Most of the 300 or so entries that follow deal with commercial and property matters. Only 68 relate to domestic problems, and a mere 20 deal with physical assault.

Punishments are based on the wealth, class, and gender of the parties—the rights of the wealthy are favored over the poor, citizens over slaves, men over women. Most famous are instances when punishments are specifically tailored to fit crimes—an eye for an eye, a tooth for a tooth, a broken bone for a broken bone. The death penalty is decreed for crimes such as stealing from a temple or palace, helping a slave to escape, or insubordination in the army. Trial by water and fire could also be imposed, as when an adulterous woman and her lover were to be thrown into the water; if they did not drown, they were deemed innocent. Although some of the punishments may seem excessive today, Hammurabi was breaking new ground by regulating laws and punishments rather than leaving them to the whims of rulers or officials.



Susa (present-day Shush, Iran). c. 1792–1750 BCE. Diorite, height of stele approx. 7' (2.13 m); height of relief 28" (71.1 cm). Musée du Louvre, Paris.



EXPLORE MORE: Gain insight from a primary source related to the Code of Hammurabi www.myartslab.com



2-9 • LION GATE
Hattusha (near present-day Boghazkoy, Turkey). c. 1400 BCE. Limestone.

more naturalistically rendered animals like the lions at the **LION GATE** (FIG. 2–9). Carved from the building stones and consistent with the colossal scale of the wall itself, the lions seem to emerge from the gigantic boulders that form the gate. Despite extreme weathering, the lions have endured over the millennia and still possess a sense of both vigor and permanence.

### **ASSYRIA**

After centuries of struggle among Sumer, Akkad, and Lagash in southern Mesopotamia, a people called the Assyrians rose to dominance in northern Mesopotamia. They began to extend their power by about 1400 BCE, and after about 1000 BCE started to conquer neighboring regions. By the end of the ninth century BCE, the Assyrians controlled most of Mesopotamia, and by the early seventh century BCE they had extended their influence as far west as Egypt. Soon afterward they succumbed to internal weakness and external enemies, and by 600 BCE their empire had collapsed.

Assyrian rulers built huge palaces atop high platforms inside the different fortified cities that served at one time or another as Assyrian capitals. They decorated these palaces with shallow stone reliefs of battle and hunting scenes, of Assyrian victories including presentations of tribute to the king, and of religious imagery.

#### **KALHU**

During his reign (883–859 BCE), Assurnasirpal II established his capital at Kalhu (present-day Nimrud, Iraq), on the east bank of the Tigris River, and undertook an ambitious building program. His architects fortified the city with mud-brick walls 5 miles long and 42 feet high, and his engineers constructed a canal that irrigated fields and provided water for the expanded population of the city. According to an inscription commemorating the event, Assurnasirpal gave a banquet for 69,574 people to celebrate the dedication of the new capital in 863 BCE.

Most of the buildings in Kalhu were made from mud bricks, but limestone and alabaster—more impressive and durable—were used to veneer walls with architectural decoration. Colossal guardian figures flanked the major **portals** (grand entrances, often decorated), and panels covered the walls with scenes in **low relief** (sculpted relief with figures that project only slightly from a recessed background) of the king participating in religious rituals, war campaigns, and hunting expeditions.



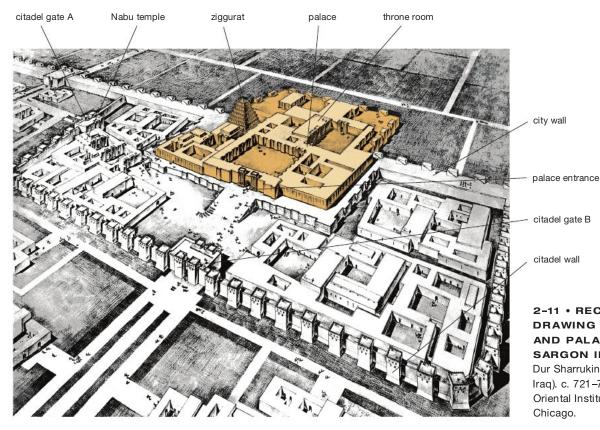
2-10 • ASSURNASIRPAL II KILLING LIONS

Palace complex of Assurnasirpal II, Kalhu (present-day Nimrud, Iraq). c. 875–860 BCE. Alabaster, height approx. 39" (99.1 cm). British Museum, London.

THE LION HUNT. In a vivid lion-hunting scene (FIG. 2–10), Assurnasirpal II stands in a chariot pulled by galloping horses and draws his bow against an attacking lion, advancing from the rear with arrows already protruding from its body. Another expiring beast collapses on the ground under the horses. This was probably a ceremonial hunt, in which the king, protected by men with swords and shields, rode back and forth killing animals as they were

released one by one into an enclosed area. The immediacy of this image marks a shift in Mesopotamian art, away from a sense of timeless solemnity, and toward a more dramatic, even emotional, involvement with the event portrayed.

ENEMIES CROSSING THE EUPHRATES TO ESCAPE ASSYRIAN ARCHERS. In another palace relief, the scene shifts from royal



### 2-11 • RECONSTRUCTION DRAWING OF THE CITADEL AND PALACE COMPLEX OF SARGON II

Dur Sharrukin (present-day Khorsabad, Iraq). c. 721–706 BCE. Courtesy the Oriental Institute of the University of Chicago.



## Enemies Crossing the Euphrates to Escape > Assyrian Archers

Palace complex of Assurnasirpal II, Kalhu (present-day Nimrud, Iraq). c. 875–860 BCE. Alabaster, height approx. 39" (99.1 cm). British Museum, London.

These Assyrian archers are outfitted in typical fashion, with protective boots, short "kilts," pointed helmets, and swords, as well as bows and quivers of arrows. Their smaller scale conveys a sense of depth and spatial positioning in this relief, reinforced by the size and placement of the trees.

The detailed landscape setting documents the swirling water of the river, its rocky banks, and the airy environment of the trees, one of which is clearly described as a palm.

The oblique line of the river bank and the overlapping of the swimmers convey a sense of depth receding from the picture plane into pictorial space. If this is the ruler of the enemy citadel, he seems shocked into powerlessness by the Assyrian invasion. Note the contrast between his lax weapon and those deployed by the archers of the Assyrian vanguard.



The long robes of the three enemy swimmers signal their high status. They are not ordinary foot soldiers.

The two lower swimmers were clearly taken by surprise. Already engaged in their watery retreat, they are still blowing through "tubes" to inflate their flotation devices, made from sewn animal skins.

This beardless swimmer is probably a eunuch, many of whom served as high officials in ancient Near Eastern courts.

Two figures react to the bleak fate of their arrow-riddled comrades attempting to swim to safety by raising their hands in despair.

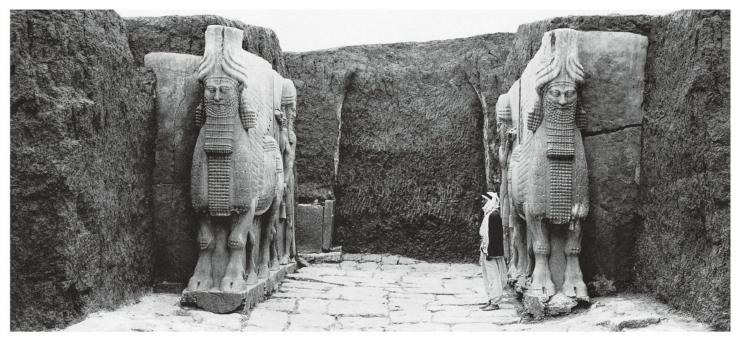
SEE MORE: View the Closer Look feature for Enemies Crossing the Euphrates to Escape Assyrian Archers www.myartslab.com

ceremony to the heat of battle set within a detailed landscape (see "A Closer Look," above). Three of the Assyrian's enemies—two using flotation devices made of inflated animal skins—swim across a raging river, retreating from a vanguard of Assyrian archers who kneel at its banks to launch their assault. The scene evokes a specific event from 878 BCE described in the annals of Assurnasirpal. As the Assyrian king overtook the army of an enemy leader named Kudurru near the modern town of Anu, both leader and soldiers escaped into the Euphrates River in an attempt to save their lives.

### **DUR SHARRUKIN**

Sargon II (ruled 721–706 BCE) built a new Assyrian capital at Dur Sharrukin (present-day Khorsabad, Iraq). On the northwest side of the capital, a walled citadel, or fortress, straddled the city wall (FIG. 2–11). Within the citadel, Sargon's **palace complex** (the group of buildings where the ruler governed and resided) stood on a raised, fortified platform about 40 feet high and demonstrates the use of art as political propaganda.

Guarded by two towers, the palace complex was accessible only by a wide ramp leading up from an open square, around



2-12 • GUARDIAN FIGURES AT GATE A OF THE CITADEL OF SARGON II DURING ITS EXCAVATION Dur Sharrukin (present-day Khorsabad, Iraq). c. 721-706 BCE.

which the residences of important government and religious officials were clustered. Beyond the ramp was the main courtyard, with service buildings on the right and temples on the left. The heart of the palace, protected by a reinforced wall with only two small, off-center doors, lay past the main courtyard. Within the inner compound was a second courtyard lined with narrative relief panels showing tribute bearers. Visitors would have waited to see the king in this courtyard that functioned as an audience hall; once granted access to the royal throne room, they would have passed

through a stone gate flanked, like the other gates of citadel and palace (FIG. 2-12), by colossal guardian figures. These guardian figures, known as lamassus, combined the bearded head of a man, the powerful body of a lion or bull, the wings of an eagle, and the horned headdress of a god.

In an open space between the palace complex and temple complex at Dur Sharrukin rose a ziggurat declaring the might of Assyria's kings and symbolizing their claim to empire. It probably had seven levels, each about 18 feet high and painted a different



**2-13 • ASSURBANIPAL AND HIS QUEEN IN THE GARDEN**The Palace at Nineveh (present-day Kuyunjik, Iraq). c. 647 BCE. Alabaster, height approx. 21" (53.3 cm). British Museum, London.

## **TECHNIQUE | Textiles**

Textiles were usually a woman's art although men, as shepherds and farmers, often produced the raw materials (wool, flax, and other fibers). And as traveling merchants, men sold or bartered the extra fabrics not needed by the family. Early Assyrian cuneiform tablets preserve correspondence between merchants traveling by caravan and their wives. These astute businesswomen ran the production end of the business back home and often complained to their husbands about late payments and changed orders.

The woman shown spinning in the fragment from Susa is an imposing figure, wearing an elegant hairstyle, many ornaments, and a garment with a patterned border. She sits barefoot and cross-legged on a lion-footed stool covered with sheepskin, spinning thread with a large spindle. A servant stands behind the woman, fanning her, while a fish and six round objects (perhaps fruit) lie on an offering stand in front of her.

The production of textiles is complex. First, fibers gathered from plants (such as flax for linen cloth or hemp for rope) or from animals (wool from sheep, goats, and camels or hair from humans and horses) are cleaned, combed, and sorted. Only then can the fibers be twisted and drawn out under tension—that is, spun—into the long, strong, flexible thread needed for textiles. Weaving is done on a loom. Warp threads are laid out at right angles to weft threads, which are passed over and under the warp. In the earliest vertical looms, warp threads hung from a beam, their tension created either by wrapping them around a lower beam (a tapestry loom) or by tying them to heavy stones. Although weaving was usually a home industry, in palaces and temples slave women staffed large shops, and specialized as spinners, warpers, weavers, and finishers.

Early fiber artists depended on the natural colors of their materials and on natural dyes from the earth, plants, and animals. They combined color and techniques to create a great variety of fiber arts: Egyptians seem to have preferred white linen, elaborately folded and pleated, for their garments. The Minoans of Crete created multicolored patterned fabrics with fancy borders. Greeks excelled in the art of pictorial tapestries. The people of the ancient Near East used woven and dyed patterns and also developed knotted pile (the so-called Persian carpet) and felt (a cloth made of fibers bound by heat and pressure, not by spinning, weaving, or knitting).



**WOMAN SPINNING** 

Susa (present-day Shush, Iran). c. 8th–7th century BCE. Bitumen compound,  $3^5$   $\!\!\!/ \times 5^1$   $\!\!\!/ \!\!\!/$  (9.2  $\times$  13 cm). Musée du Louvre, Paris.

color (SEE FIG. 2–11). The four levels still remaining were once white, black, blue, and red. Instead of separate flights of stairs between the levels, a single, squared-off spiral ramp rose continuously along the exterior from the base.

### **NINEVEH**

Assurbanipal (ruled 669–c. 627 BCE), king of the Assyrians three generations after Sargon II, maintained his capital at Nineveh. Like that of Assurnasirpal II two centuries earlier, his palace was decorated with alabaster panels carved with pictorial narratives in low relief. Most show Assurbanipal and his subjects in battle or hunting, but there are occasional scenes of palace life.

An unusually peaceful example shows the king and queen relaxing in a pleasure garden (FIG. 2–13). The king reclines on a couch, and the queen sits in a chair at his feet, while a musician at far left plays diverting music. Three servants arrive from the left with trays of food, while others wave whisks to protect the royal couple from insects. The king has taken off his rich necklace and hung it on his couch, and he has laid aside his weapons—sword, bow, and quiver of arrows—on the table behind him, but this apparently tranquil domestic scene is actually a victory celebration. A grisly trophy, the severed head of his vanquished enemy, hangs upside down from a tree at the far left.

### **NEO-BABYLONIA**

At the end of the seventh century BCE, Assyria was invaded by the Medes, a people from western Iran who were allied with the Babylonians and the Scythians, a nomadic people from northern Asia (present-day Russia and Ukraine). In 612 BCE, the Medes' army captured Nineveh. When the dust had settled, Assyria was no more and the Neo-Babylonians—so named because they recaptured the splendor that had marked Babylon 12 centuries earlier under Hammurabi—controlled a region that stretched from modern Turkey to northern Arabia and from Mesopotamia to the Mediterranean Sea.

The most famous Neo-Babylonian ruler was Nebuchadnezzar II (ruled 605–562 BCE), notorious today for his suppression of the Jews, as recorded in the book of Daniel in the Hebrew Bible, where he may have been confused with the final Neo-Babylonian ruler, Nabonidus. A great patron of architecture, Nebuchadnezzar II built temples dedicated to the Babylonian gods throughout his realm, and transformed Babylon—the cultural, political, and economic hub of his empire—into one of the most splendid cities of its day. Babylon straddled the Euphrates River, its two sections joined by a bridge.

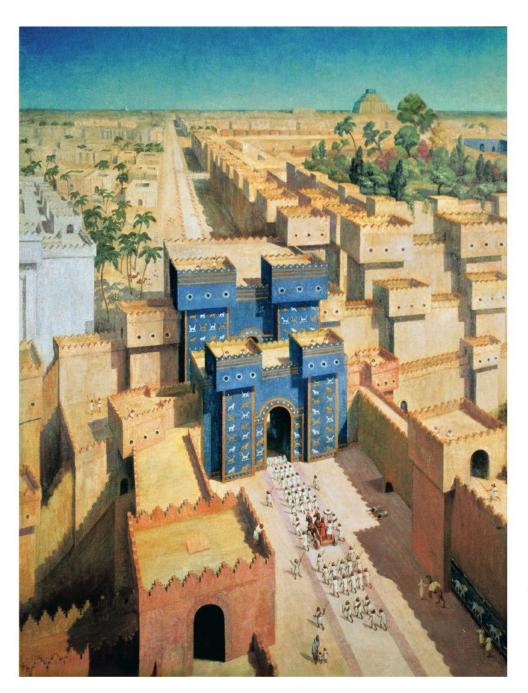
The older, eastern sector of Babylon was traversed by the Processional Way, the route taken by religious processions

honoring the city's patron god, Marduk (FIG. 2–14). This street, paved with large stone slabs set in a bed of bitumen, was up to 66 feet wide at some points. It ran from the Euphrates bridge, through the temple district and palaces, and finally through the Ishtar Gate, the ceremonial entrance to the city. The Ishtar Gate's four crenellated towers (crenellations are notched walls for military defense) symbolized Babylonian power (FIG. 2–15). Beyond the Ishtar Gate, walls on either side of the route—like the gate itself—were faced with dark blue glazed bricks. The glazed bricks consisted of a film of colored glass placed over the surface of the bricks and fired, a process used since about 1600 BCE. Against that blue background, specially molded turquoise, blue, and gold-colored bricks formed images of striding lions, symbols of the goddess Ishtar as well as the dragons that were associated with Marduk.

### **PERSIA**

In the sixth century BCE, the Persians, a formerly nomadic, Indo-European-speaking people, began to seize power in Mesopotamia. From the region of Parsa, or Persis (present-day Fars, Iran), they established a vast empire. The rulers of this new empire traced their ancestry to a semilegendary Persian king named Achaemenes, and consequently they are known as the Achaemenids.

The dramatic expansion of the Achaemenids began in 559 BCE with the ascension of a remarkable leader, Cyrus II the Great (ruled 559–530 BCE). By the time of his death, the Persian Empire included Babylonia, Media (which stretched across present-day northern Iran through Anatolia), and some of the Aegean islands far to the west. Only the Greeks stood fast against them (see



# 2-14 • RECONSTRUCTION DRAWING OF BABYLON IN THE 6TH CENTURY BCE

Courtesy the Oriental Institute of the University of Chicago

The palace of Nebuchadnezzar II, with its famous Hanging Gardens, can be seen just behind and to the right of the Ishtar Gate, west of the Processional Way. The Marduk Ziggurat looms in the far distance on the east bank of the Euphrates.



# 2-15 • ISHTAR GATE AND THRONE ROOM WALL

Reconstructed in a Berlin museum, originally from Babylon (present-day Iraq). c. 575 BCE. Glazed brick, height of gate originally 40' (12.2 m) with towers rising 100' (30.5 m). Vorderasiatisches Museum, Staatliche Museen zu Berlin, Preussischer Kulturbesitz.

The Ishtar Gate is decorated with tiers of dragons (with the head and body of a snake, the forelegs of a lion, and the hind legs of a bird of prey) that were sacred to Marduk, and with bulls with blue horns and tails that were associated with Adad, the storm god. Now reconstructed inside a Berlin Museum, it is installed next to a panel from the throne room in Nebuchadnezzar's nearby palace, in which lions walk beneath stylized palm trees.

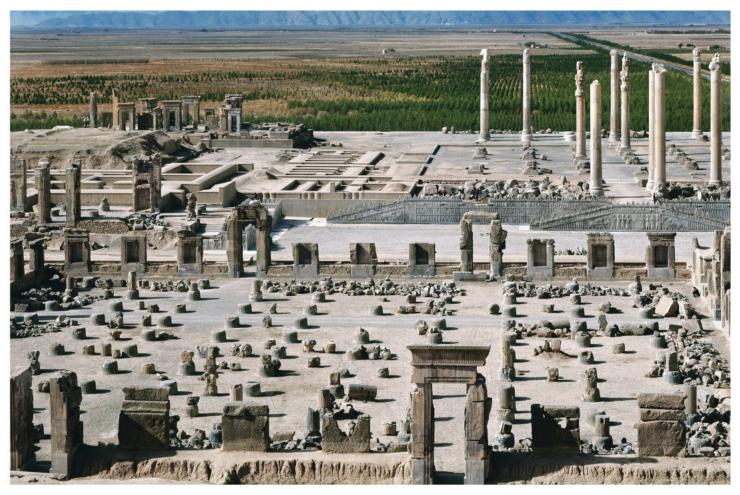
Chapter 5). When Darius I (ruled 521–486 BCE) took the throne, he could proclaim: "I am Darius, great King, King of Kings, King of countries, King of this earth."

An able administrator, Darius organized the Persian lands into 20 tribute-paying areas under Persian governors. He often left local rulers in place beneath the governors. This practice, along with a tolerance for diverse native customs and religions, won the Persians the loyalty of many of their subjects. Like many powerful rulers, Darius created palaces and citadels as visible symbols of his authority. He made Susa his first capital and commissioned a 32-acre administrative compound to be built there.

In about 515 BCE, Darius began construction of Parsa, a new capital in the Persian homeland, today known by its Greek name:

Persepolis. It is one of the best-preserved and most impressive ancient sites in the Near East (FIG. 2–16). Darius imported materials, workers, and artists from all over his empire. He even ordered work to be executed in Egypt and transported to his capital. The result was a new multicultural style of art that combined many different traditions—Persian, Mede, Mesopotamian, Egyptian, and Greek.

In Assyrian fashion, the imperial complex at Persepolis was set on a raised platform, 40 feet high and measuring 1,500 by 900 feet, accessible only from a single approach made of wide, shallow steps that could be ascended on horseback. Like Egyptian and Greek cities, it was laid out on a rectangular grid. Darius lived to see the completion only of a treasury, the Apadana (audience hall), and a very small palace for himself. The APADANA, set above the rest of the

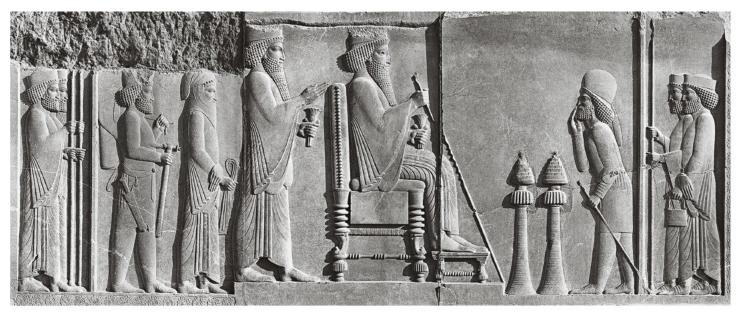


**2-16 • AIR VIEW OF THE CEREMONIAL COMPLEX, PERSEPOLIS** Iran. 518–c. 460 BCE.

SEE MORE: View a video about Persepolis www.myartslab.com



2-17 • APADANA
(AUDIENCE HALL)
OF DARIUS AND
XERXES
Ceremonial Complex,
Persepolis, Iran.
518-c. 460 BCE.



2-18 • DARIUS AND XERXES RECEIVING TRIBUTE

Detail of a relief from the stairway leading to the Apadana (ceremonial complex), Persepolis, Iran. 491–486 BCE. Limestone, height 8'4" (2.54 m). Courtesy the Oriental Institute of the University of Chicago.

SEE MORE: View a video about the process of sculpting in relief www.myartslab.com

complex on a second terrace (FIG. 2–17), had open porches on three sides and a square hall large enough to hold several thousand people. Darius's son Xerxes I (ruled 485–465 BCE) added a sprawling palace complex for himself, enlarged the treasury building, and began a vast new public reception space, the Hall of 100 Columns.

The central stair of Darius's Apadana displays reliefs of animal combat, tiered ranks of royal guards (the "10,000 Immortals"), and delegations of tribute bearers. Here, lions attack bulls at each side of the Persian generals. Such animal combats (a theme found throughout the Near East) emphasize the ferocity of the leaders and their men. Ranks of warriors cover the walls with repeated patterns and seem ready to defend the palace. The elegant drawing, balanced composition, and sleek modeling of figures reflect the Persians' knowledge of Greek art and perhaps the use of Greek artists. Other reliefs throughout Persepolis depict displays of allegiance or economic prosperity. In one example, once the centerpiece, Darius holds an audience while his son and heir, Xerxes, listens from behind the throne (FIG. 2-18). Such panels would have looked quite different when they were freshly painted in bright colors, with metal objects such as Darius's crown and necklace covered in **gold leaf** (sheets of hammered gold).

At its height, the Persian Empire extended from Africa to India. From Persepolis, Darius in 490 BCE and Xerxes in 480 BCE sent their armies west to conquer Greece, but mainland Greeks successfully resisted the armies of the Achaemenids, preventing them from advancing into Europe. Indeed, it was a Greek who ultimately put an end to their empire. In 334 BCE, Alexander the Great of Macedonia (d. 323 BCE) crossed into Anatolia and swept through Mesopotamia, defeating Darius III and nearly destroying

Persepolis in 330 BCE. Although the Achaemenid Empire was at an end, Persia eventually revived, and the Persian style in art continued to influence Greek artists (see Chapter 5) and ultimately became one of the foundations of Islamic art (see Chapter 8).

### THINK ABOUT IT

- 2.1 Discuss the development of relief sculpture in the ancient Near East. Choose two specific examples, one from the Sumerian period and one from the Assyrian period, and explain how symbols and stories are combined to express ideas that were important to these two cultures.
- 2.2 Discuss how precious materials are used in "The Great Lyre with bull's head" (page 35, Fig. B). What are some likely motivations for employing these materials in this work?
- 2.3 Select two rulers discussed in this chapter and explain how each preserved his legacy through commissioned works of art and/or architecture.
- 2.4 What are the distinctive features of the Sumerian ziggurat and what led to its development?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**3-1 • FUNERARY MASK OF TUTANKHAMUN** Eighteenth Dynasty (Tutankhamun, r. c. 1332–1322 BCE), c. 1327 BCE. Gold inlaid with glass and semiprecious stones, height 2114" (54.5 cm), weight 24 pounds (11 kg). Egyptian Museum, Cairo. JE 60672

# ART OF ANCIENT EGYPT

On February 16, 1923, The Times of London cabled the New York Times with dramatic news of a discovery: "This has been, perhaps, the most extraordinary day in the whole history of Egyptian excavation.... The entrance today was made into the sealed chamber of [Tutankhamun's] tomb ... and yet another door opened beyond that. No eyes have seen the King, but to practical certainty we know that he lies there close at hand in all his original state, undisturbed." And indeed he did. A collar of dried flowers and beads covered the chest, and a linen shroud was draped around the head. A gold FUNERARY MASK (FIG. 3-1) had been placed over the head and shoulders of his mummified body, which was enclosed in three nested coffins, the innermost made of gold (SEE FIG. 3-29, and page 73). The coffins were placed in a yellow quartzite sarcophagus (a stone coffin) that was itself encased within gilt wooden shrines nested inside one another.

The discoverer of this treasure, the English archaeologist Howard Carter, had worked in Egypt for more than 20 years before he undertook a last expedition, sponsored by the wealthy British amateur Egyptologist Lord Carnarvon. Carter was convinced that the tomb of Tutankhamun, one of the last Eighteenth-Dynasty royal burial places still unidentified, lay hidden in the Valley of the Kings. After 15 years of digging,

on November 4, 1922, he unearthed the entrance to Tutankhamun's tomb and found unbelievable treasures in the antechamber: jewelry, textiles, gold-covered furniture, a carved and inlaid throne, four gold chariots. In February 1923, Carter pierced the wall separating the anteroom from the actual burial chamber and found the greatest treasure of all, Tutankhamun himself.

Since ancient times, tombs have tempted looters; more recently, they also have attracted archaeologists and historians. The first large-scale "archaeological" expedition in history landed in Egypt with the armies of Napoleon in 1798. The French commander must have realized that he would find great wonders there, for he took French scholars with him to study ancient sites. The military adventure ended in failure, but the scholars eventually published richly illustrated volumes of their findings, unleashing a craze for all things Egyptian that has not dimmed since. In 1976, the first blockbuster museum exhibition was born when treasures from the tomb of Tutankhamun began a tour of the United States and attracted over 8 million visitors. Most recently, in 2006, Otto Schaden excavated a tomb containing seven coffins in the Valley of the Kings, the first tomb to be found there since Tutankhamun's in 1922.

### LEARN ABOUT IT

- 3.1 Explore the pictorial conventions for representing the human figure in ancient Egyptian art, established early on and maintained for millennia.
- 3.2 Trace the evolution of royal portrait styles from the Old Kingdom through the New Kingdom and assess the differences between depictions of royalty and ordinary people.
- 3.3 Analyze how religious beliefs were reflected in the funerary art and architecture of ancient Egypt.
- 3.4 Appreciate the complexity of construction and decoration brought to New Kingdom temple architecture rooted in the same post-and-lintel architectural tradition that had been used since the Old Kingdom.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

### THE GIFT OF THE NILE

The Greek traveler and historian Herodotus, writing in the fifth century BCE, remarked, "Egypt is the gift of the Nile." This great river, the longest in the world, winds northward from equatorial Africa and flows through Egypt in a relatively straight line to the Mediterranean (MAP 3–1). There it forms a broad delta before emptying into the sea. Before it was dammed in 1970 by the Aswan High Dam, the lower (northern) Nile, swollen with the runoff of heavy seasonal rains in the south, overflowed its banks for several months each year. Every time the floodwaters receded, they left behind a new layer of rich silt, making the valley and delta a continually fertile and attractive habitat.

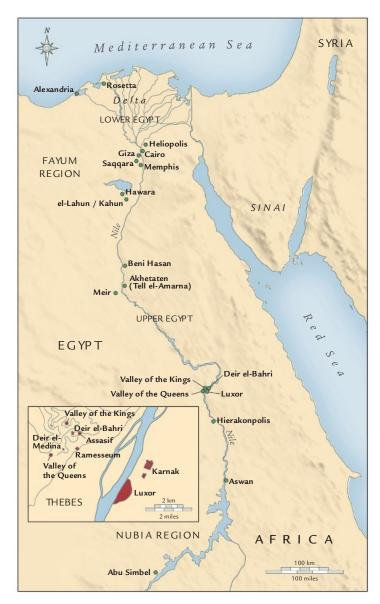
By about 8000 BCE, the valley's inhabitants had become relatively sedentary, living off the abundant fish, game, and wild plants. Not until about 5000 BCE did they adopt the agricultural village life associated with Neolithic culture (see Chapter 1). At that time, the climate of north Africa grew increasingly dry. To ensure adequate resources for agriculture, the farmers along the Nile began to manage flood waters in a system called basin irrigation.

The Predynastic period, from roughly 5000 to 2950 BCE, was a time of significant social and political transition that preceded the unification of Egypt under a single ruler. (After unification, Egypt was ruled by a series of family dynasties and is therefore characterized as "dynastic.") Rudimentary federations emerged and began conquering and absorbing weaker communities. By about 3500 BCE, there were several larger states, or chiefdoms, in the lower Nile Valley and a centralized form of leadership had emerged. Rulers were expected to protect their subjects, not only from outside aggression, but also from natural catastrophes such as droughts and insect plagues.

The surviving art of the Predynastic period consists chiefly of ceramic figurines, decorated pottery, and reliefs carved on stone plaques and pieces of ivory. A few examples of wall painting—lively scenes filled with small figures of people and animals—were found in a tomb at Hierakonpolis, in Upper Egypt, a Predynastic town of mud-brick houses that was once home to as many as 10,000 people.

# EARLY DYNASTIC EGYPT, c. 2950–2575 BCE

Around 3000 BCE, Egypt became a consolidated state. According to legend, the country had previously evolved into two major kingdoms—the Two Lands—Upper Egypt in the south (upstream on the Nile) and Lower Egypt in the north. But a powerful ruler from Upper Egypt conquered Lower Egypt and unified the two kingdoms. In the art of the subsequent Early Dynastic period we see the development of ideas about kingship and the cosmic order. Since the works of art and architecture that survive from ancient Egypt come mainly from tombs and temples—the majority of which were located in secure places and built with the most



MAP 3-1 • ANCIENT EGYPT

Upper Egypt is below Lower Egypt on this map because the designations "upper" and "lower" refer to the directional flow of the Nile, not to our conventions for south and north in drawing maps. The two kingdoms were united c. 3000 BCE, just before the Early Dynastic period.

durable materials—most of what we now know about the ancient art of Egypt is rooted in religious beliefs and practices.

### THE GOD-KINGS

The Greek historian Herodotus thought the Egyptians were the most religious people he had ever encountered. In their worldview, the movements of heavenly bodies, the workings of gods, and the humblest of human activities were all believed to be part of a balanced and harmonious grand design. Death was to be feared only by those who lived in such a way as to disrupt that harmony. Upright souls could be confident that their spirits would live on eternally.



# ART AND ITS CONTEXTS

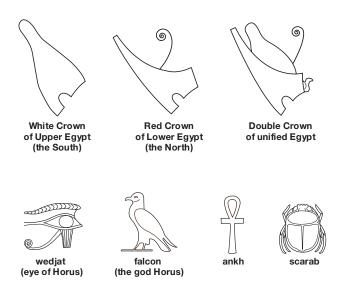
## Egyptian Symbols

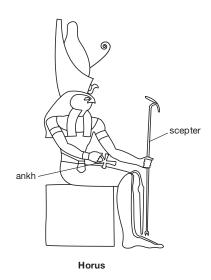
Four crowns symbolize kingship: the tall, club-like white crown of Upper Egypt (sometimes adorned with two plumes); the flat or scooped red cap with projecting spiral of Lower Egypt; the double crown representing unified Egypt; and, in the New Kingdom, the blue oval crown, which evolved from a war helmet.

A striped gold and blue linen head cloth, known as the **nemes headdress**, having the cobra and vulture at the center front, was commonly used as royal headgear. The upright form of the cobra, known as the *uraeus*, represents the goddess Wadjet of Lower Egypt

and is often included in king's crowns as well (SEE FIG. 3–1). The queen's crown included the feathered skin of the vulture goddess Nekhbet of Upper Egypt.

The god Horus, king of the earth and a force for good, is represented as a falcon or falcon-headed man. His eyes symbolize the sun and moon; the solar eye is called the *wed jat*. The looped cross, called the **ankh**, is symbolic of everlasting life. The **scarab** beetle (*khepri*, meaning "he who created himself") was associated with creation, resurrection, and the rising sun.





By the Early Dynastic period, Egypt's kings were revered as gods in human form. A royal jubilee, the *heb sed* or *sed* festival, held in the thirtieth year of the living king's reign, renewed and re-affirmed his divine power, and when they died, kings rejoined their father, the sun god Ra, and rode with him in the solar boat as it made its daily journey across the sky.

In order to please the gods and ensure their continuing goodwill toward the state, kings built splendid temples and provided priests to maintain them. The priests saw to it that statues of the gods, placed deep in the innermost rooms of the temples, were never without fresh food and clothing. Egyptian gods and goddesses were depicted in various forms, some as human beings, others as animals, and still others as humans with animal heads. For example, Osiris, the overseer of the realm of the dead, regularly appears in human form wrapped in linen as a mummy. His son, the sky god Horus, is usually depicted as a falcon or falcon-headed man (see "Egyptian Symbols," above).

Over the course of ancient Egyptian history, Amun (chief god of Thebes, represented as blue and wearing a plumed crown), Ra (of Heliopolis), and Ptah (of Memphis) became the primary national gods. Other gods and their manifestations included Thoth (ibis), god of writing, science, and law; Ma'at (feather), goddess of truth, order, and justice; Anubis (jackal), god of embalming and cemeteries; and Bastet (cat), daughter of Ra.

### ARTISTIC CONVENTIONS

Conventions in art are established ways of representing things, widely accepted by artists and patrons at a particular time and place. Egyptian artists followed a set of fairly strict conventions, often based on conceptual principles rather than on the observation of the natural world with an eye to rendering it in lifelike fashion. Eventually a system of mathematical formulas was developed to determine design and proportions (see "Egyptian Pictorial Relief," page 65). The underlying conventions that govern ancient Egyptian



# A CLOSER LOOK

### The Palette of Narmer >

Hierakonpolis. Early Dynastic period, c. 2950 BCE. Green schist, height 25" (64 cm). Egyptian Museum, Cairo. JE 32169 = CG 14716

A sandal-bearer, named by hieroglyphic inscription, accompanies the king, standing on his own ground line. His presence emphasizes the fact that the king, being barefoot, is standing on sacred ground, performing sacred acts. The same individual, likewise labeled, follows Narmer on the other side of the palette.

Phonetic hieroglyphs at the center top of each side of the palette name the king: a horizontal fish (nar) above a vertical chisel (mer). A depiction of the royal palace - seen simultaneously from above, as a groundplan, and frontally, as a façade (front wall of a building)-surrounds Narmer's name to signify that he is king.

Narmer wears the Red Crown of Lower Egypt on this side of the palette and is identified by the hieroglyph label next to his head, as well by as his larger size in relation to the other figures (hieratic scale).

Two rows of decapitated enemies, their heads neatly tucked between their feet, are inspected by the royal procession.



Narmer is attacking a figure of comparable size who is also identified by a hieroglyphic label, indicating that he is an enemy of real importance, likely the ruler of Lower Egypt.

Next to the heads of these two defeated enemies are, on the left, an aerial depiction of a fortified city, and on the right, a gazelle trap, perhaps emblems of Narmer's control over both city and countryside.

A bull - symbolizing the might of the king, who is shown wearing a bull's tail on both sides of the palette-strikes down another enemy in front of a fortified city, seen both from above and in

Palettes were tablets with circular depressions on one side, in which eye makeup was ground and prepared. Although this example was undoubtedly ceremonial rather than functional, a mixing saucer is framed by the elongated, intertwined necks of lions, perhaps signifying the union of Upper and Lower Egypt.

SEE MORE: View the Closer Look feature for the Palette of Narmer www.myartslab.com

art appear early, however, and are maintained, with subtle but significant variations, over almost three millennia of its history.

THE NARMER PALETTE. This historically and artistically significant work of art (see "A Closer Look," opposite) dates from the Early Dynastic period and was found in the temple of Horus. It is commonly interpreted as representing the unification of Egypt and the beginning of the country's growth as a powerful nation-state. It employs many of the representational conventions that would dominate in royal Egyptian art from this point on.

On the reverse side of the palette, as in the Stele of Naram-Sin (SEE FIG. 2–1), hieratic scale signals the importance of Narmer by showing him overwhelmingly larger than the other human figures around him. He is also boldly silhouetted against a blank ground, just like Naram-Sin, distancing details of setting and story so they will not distract from his preeminence. He wears the white crown of Upper Egypt while striking the enemy who kneels before him with a mace. Above this foe, the god Horus—depicted as a falcon with a human hand—holds a rope tied around the neck of a man whose head is attached to a block sprouting stylized papyrus, a plant that grew in profusion along the Nile and symbolized Lower Egypt. This combination of symbols made the central message clear: Narmer, as ruler of Upper Egypt, is in firm control of Lower Egypt.

Many of the figures on the palette are shown in composite poses, so that each part of the body is portrayed from its most characteristic viewpoint. Heads are shown in profile, to capture most clearly the nose, forehead, and chin, while eyes are rendered frontally, from their most recognizable and expressive viewpoint. Hips, legs, and feet are drawn in profile, and the figure is usually striding, to reveal both legs. The torso, however, is fully frontal. This artistic convention for representing the human figure as a conceptualized composite of multiple viewpoints was to be followed for millennia in Egypt when depicting royalty and other dignitaries. Persons of lesser social rank engaged in active tasks (compare the figure of Narmer with those of his standard bearers) tend to be represented in ways that seem to us more lifelike.

### **FUNERARY ARCHITECTURE**

Ancient Egyptians believed that an essential part of every human personality is its life force, or soul, called the ka, which lived on after the death of the body, forever engaged in the activities it had enjoyed in its former existence. But the ka needed a body to live in, either the mummified body of the deceased or, as a substitute, a sculpted likeness in the form of a statue. The Egyptians developed elaborate funerary practices to ensure that their deceased moved safely and effectively into the afterlife.

It was especially important to provide a comfortable home for the *ka* of a departed king, so that even in the afterlife he would continue to ensure the well-being of Egypt. Egyptians preserved the bodies of the royal dead with care and placed them in burial chambers filled with sculpted body substitutes and all the supplies and furnishings the *ka* might require throughout eternity (see "Preserving the Dead," page 56).

MASTABA AND NECROPOLIS. In Early Dynastic Egypt, the most common tomb structure—used by the upper level of society, the king's family and relatives—was the **mastaba**, a flat-topped, onestory building with slanted walls erected above an underground burial chamber (see "Mastaba to Pyramid," page 55). Mastabas were at first constructed of mud brick, but toward the end of the Third Dynasty (c. 2650–2575 BCE), many incorporated cut stone, at least as an exterior facing.

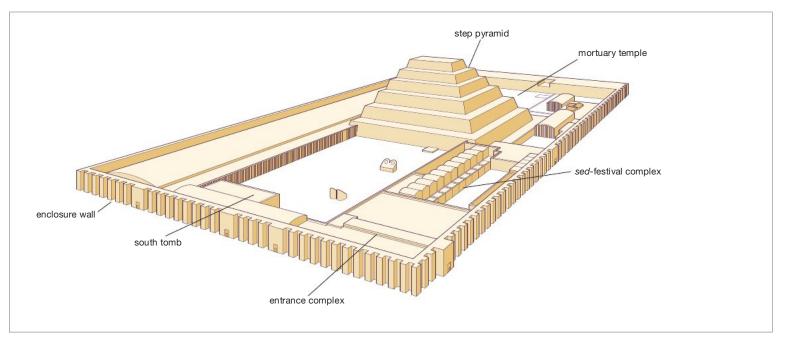
In its simplest form, the mastaba contained a **serdab**, a small, sealed room housing the *ka* statue of the deceased, and a chapel designed to receive mourning relatives and offerings. A vertical shaft dropped from the top of the mastaba down to the actual burial chamber, where the remains of the deceased reposed in a coffin—at times placed within a larger stone sarcophagus—surrounded by appropriate grave goods. This chamber was sealed off after interment. Mastabas might have numerous underground burial chambers to accommodate whole families, and mastaba burial remained the standard for Egyptian elites for centuries.

Mastabas tended to be grouped together in a **necropolis**—literally, a "city of the dead"—at the edge of the desert on the west bank of the Nile, for the land of the dead was believed to be in the direction of the setting sun. Two of the most extensive of these early necropolises are at Saqqara and Giza, just outside modern Cairo.

DJOSER'S COMPLEX AT SAQQARA. For his tomb complex at Saqqara, the Third-Dynasty King Djoser (c. 2650–2631 BCE) commissioned the earliest known monumental architecture in Egypt (FIG. 3–2). The designer of the complex was Imhotep, who served as Djoser's prime minister. Imhotep is the first architect in history to be identified; his name is inscribed together with Djoser's on the base of a statue of the king found near the Step Pyramid.

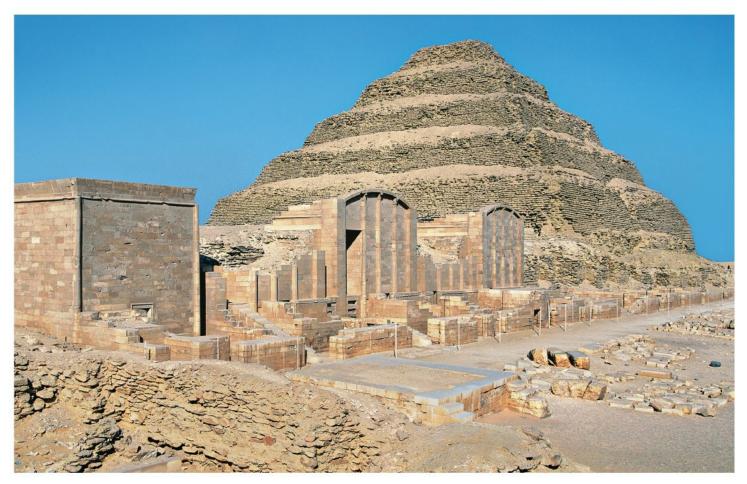
It appears that Imhotep first planned D joser's tomb as a single-story mastaba, only later deciding to enlarge upon the concept. The final structure is a step pyramid formed by six mastaba-like elements of decreasing size stacked on top of each other (FIG. 3–3). Although the step pyramid resembles the ziggurats of Mesopotamia, it differs in both meaning (signifying a stairway to the sun god Ra) and purpose (protecting a tomb). A 92-foot shaft descended from the original mastaba enclosed within the pyramid. A descending corridor at the base of the step pyramid provided an entrance from outside to a granite-lined burial vault.

The adjacent funerary temple, where priests performed rituals before placing the king's mummified body in its tomb, was used for continuing worship of the dead king. In the form of his *ka* statue, Djoser intended to observe these devotions through two peepholes in the wall between the serdab and the funerary chapel. To the east of the pyramid, buildings filled with debris represent actual structures in which the spirit of the dead king could continue to observe the *sed* rituals that had ensured his long reign.



3-2 • RECONSTRUCTION DRAWING OF DJOSER'S FUNERARY COMPLEX, SAQQARA

Third Dynasty, c. 2630–2575 BCE. Situated on a level terrace, this huge commemorative complex—some 1,800′ (544 m) long by 900′ (277 m) wide—was designed as a replica in stone of the wood, brick, and reed buildings used in rituals associated with kingship. Inside the wall, the step pyramid dominated the complex.



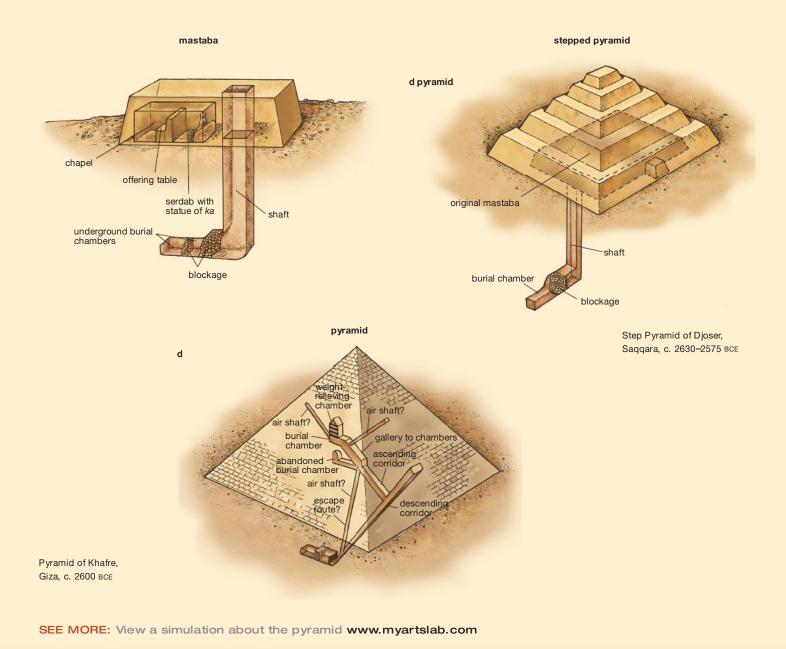
3-3 • THE STEP PYRAMID AND SHAM BUILDINGS, FUNERARY COMPLEX OF DJOSER, SAQQARA Limestone, height of pyramid 204' (62 m).

EXPLORE MORE: Click the Google Earth link for the Pyramid of Djoser www.myartslab.com

# ELEMENTS OF ARCHITECTURE | Mastaba to Pyramid

As the gateway to the afterlife for Egyptian kings and members of the royal court, the Egyptian burial structure began as a low, solid, rectangular mastaba with an external niche that served as the focus of offerings. Later mastabas had either an internal serdab (the room where the *ka* statue was placed) and chapel (as in the drawing) or an attached chapel and serdab (not shown). Eventually, mastaba forms of

decreasing size were stacked over an underground burial chamber to form the step pyramid. The culmination of this development is the pyramid, in which the actual burial site may be within the pyramid—not below ground—with false chambers, false doors, and confusing passageways to foil potential tomb robbers.



### THE OLD KINGDOM, c. 2575-2150 BCE

The Old Kingdom was a time of social and political stability, despite increasingly common military excursions to defend the borders. The growing wealth of ruling families of the period is reflected in the enormous and elaborate tomb complexes they commissioned for themselves. Kings were not the only patrons of

the arts, however. Upper-level government officials also could afford tombs decorated with elaborate carvings.

### THE GREAT PYRAMIDS AT GIZA

The architectural form most closely identified with Egypt is the true pyramid with a square base and four sloping triangular faces,

## **TECHNIQUE** | Preserving the Dead

Egyptians developed mummification techniques to ensure that the ka, soul or life force, could live on in the body in the afterlife. No recipes for preserving the dead have been found, but the basic process seems clear enough from images found in tombs, the descriptions of later Greek writers such as Herodotus and Plutarch, scientific analysis of mummies, and modern experiments.

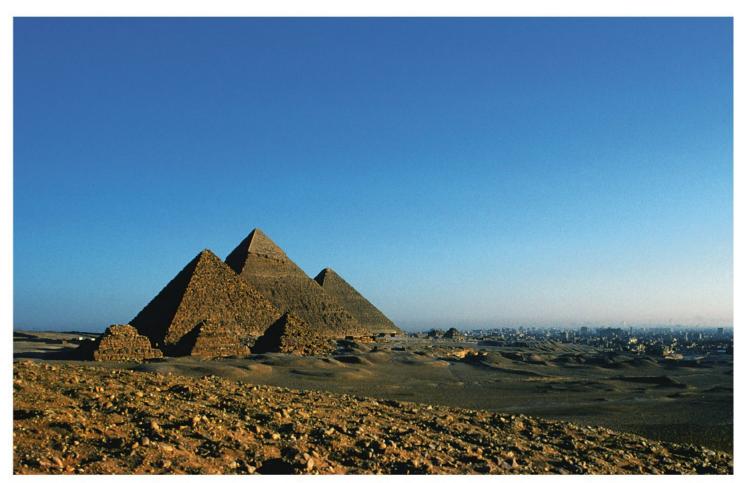
By the time of the New Kingdom, the routine was roughly as follows: The body was taken to a mortuary, a special structure used exclusively for embalming. Under the supervision of a priest, workers removed the brains, generally through the nose, and emptied the body cavity—except for the heart—through an incision in the left side. They then covered the body with dry natron, a naturally occurring salt, and

placed it on a sloping surface to allow liquids to drain. This preservative caused the skin to blacken, so workers often used paint or powdered makeup to restore some color, using red ocher for a man, yellow ocher for a woman. They then packed the body cavity with clean linen soaked in various herbs and ointments, provided by the family of the deceased. The major organs were wrapped in separate packets and stored in special containers called **canopic jars**, to be placed in the tomb chamber.

Workers next wound the trunk and each of the limbs separately with cloth strips, before wrapping the whole body in additional layers of cloth to produce the familiar mummy shape. The workers often inserted charms and other smaller objects among the wrappings.

first erected in the Fourth Dynasty (2575–2450 BCE). The angled sides may have been meant to represent the slanting rays of the sun, for inscriptions on the walls of pyramid tombs built in the Fifth and Sixth Dynasties tell of deceased kings climbing up the rays to join the sun god Ra.

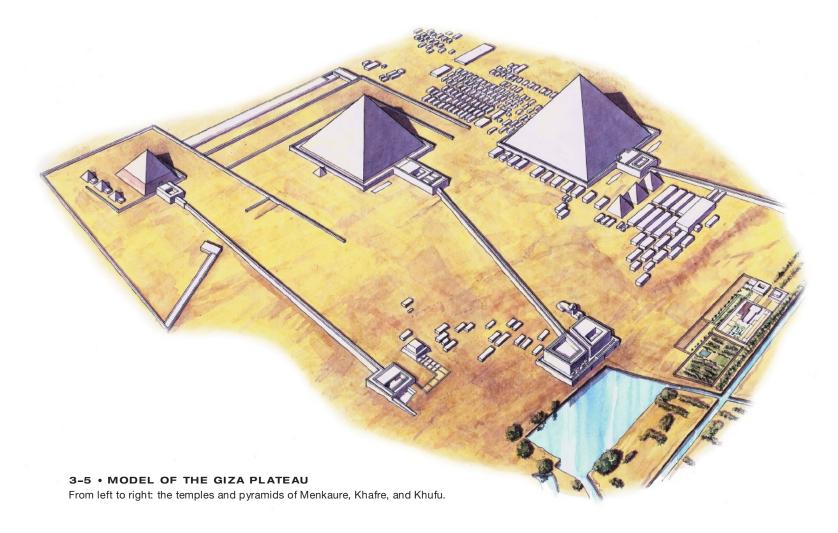
Although not the first pyramids, the most famous are the three great pyramid tombs at Giza (FIGS. 3–4, 3–5). These were built by three successive Fourth-Dynasty kings: Khufu (r. c. 2551–2528 BCE), Khafre (r. 2520–2494 BCE), and Menkaure (r. c. 2490–2472 BCE). The oldest and largest pyramid at Giza is that of Khufu, which



3-4 • GREAT PYRAMIDS, GIZA

Fourth Dynasty (c. 2575–2450 BCE). Erected by (from the left) Menkaure, Khafre, and Khufu. Limestone and granite, height of pyramid of Khufu, 450' (137 m).

EXPLORE MORE: Click the Google Earth link for the Pyramids of Giza www.myartslab.com



covers 13 acres at its base. It was originally finished with a thick veneer of polished limestone that lifted its apex to almost 481 feet, some 30 feet above the present summit. The pyramid of Khafre is slightly smaller than Khufu's, and Menkaure's is considerably smaller.

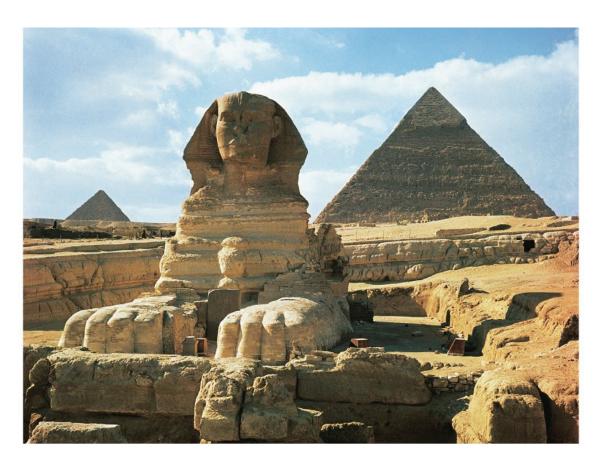
The site was carefully planned to follow the sun's east-west path. Next to each of the pyramids was a funerary temple connected by a causeway—an elevated and enclosed pathway or corridor—to a valley temple on the bank of the Nile (SEE FIG. 3-5). When a king died, his body was embalmed and ferried west across the Nile from the royal palace to his valley temple, where it was received with elaborate ceremonies. It was then carried up the causeway to his funerary temple and placed in its chapel, where family members presented offerings of food and drink, and priests performed rites in which the deceased's spirit consumed a meal. These rites were to be performed at the chapel in perpetuity. Finally, the body was entombed in a vault deep within the pyramid, at the end of a long, narrow, and steeply rising passageway. This tomb chamber was sealed off after the burial with a 50-ton stone block. To further protect the king from intruders, three false passageways obscured the location of the tomb.

CONSTRUCTING THE PYRAMIDS. Building a pyramid was a formidable undertaking. A large workers' burial ground discovered

at Giza attests to the huge labor force that had to be assembled, housed, and fed. Most of the cut stone blocks—each weighing an average of 2.5 tons—used in building the Giza complex were quarried either on the site or nearby. Teams of workers transported them by sheer muscle power, employing small logs as rollers or pouring water on mud to create a slippery surface over which they could drag the blocks on sleds.

Scholars and engineers have various theories about how the pyramids were raised. Some ideas have been tested in computerized projections and a few models on a small but representative scale have been constructed. The most efficient means of getting the stones into position might have been to build a temporary, gently sloping ramp around the body of the pyramid as it grew higher. The ramp could then be dismantled as the stones were smoothed out or slabs of veneer were laid.

The designers who oversaw the building of such massive structures were capable of the most sophisticated mathematical calculations. They oriented the pyramids to the points of the compass and may have incorporated other symbolic astronomical calculations as well. There was no room for trial and error. The huge foundation layer had to be absolutely level and the angle of each of the slanting sides had to remain constant so that the stones would meet precisely in the center at the top.



3-6 • GREAT SPHINX, FUNERARY COMPLEX OF KHAFRE

Giza. Old Kingdom, c. 2520–2494 BCE. Sandstone, height approx. 65' (19.8 m).

EXPLORE MORE: Click the Google Earth link for The Great Sphinx www.myartslab.com

KHAFRE'S COMPLEX. Khafre's funerary complex is the best preserved. Its pyramid is the only one of the three to have maintained some of its veneer facing at the top. But the complex is most famous for the Great Sphinx that sits just behind Khafre's valley temple. This colossal portrait of the king—65 feet tall—combines his head with the long body of a crouching lion, seemingly merging notions of human intelligence with animal strength (FIG. 3–6).

In the adjacent valley temple, massive blocks of red granite form walls and piers supporting a flat roof (FIG. 3–7). (See "Early Construction Methods," page 16.) A **clerestory** (a row of tall, narrow windows in the upper walls, not visible in the figure), lets in light that reflects off the polished Egyptian alabaster floor. Within the temple were a series of over-life-size statues, portraying **KHAFRE** as an enthroned king (FIG. 3–8). The falcon god Horus perches on the back of the throne, protectively enfolding the king's head with his wings. Lions—symbols of regal authority—form the throne's legs, and the intertwined lotus and papyrus plants beneath the seat symbolize the king's power over Upper (lotus) and Lower (papyrus) Egypt.

Khafre wears the traditional royal costume—a short, pleated kilt, a linen headdress, and a false beard symbolic of royalty. He exudes a strong sense of dignity, calm, and above all permanence. In his right hand, he holds a cylinder, probably a rolled piece of cloth. His arms are pressed tightly within the contours of his body, which is firmly anchored in the confines of the stone block from which it was carved. The statue was created from an unusual stone, a type of



**3-7 • VALLEY TEMPLE OF KHAFRE**Giza, Old Kingdom, c. 2520–2494 BCE. Limestone and red granite.



gneiss (related to diorite), imported from Nubia, that produces a rare optical effect. When illuminated by sunlight entering through the temple's clerestory, it glows a deep blue, the celestial color of Horus, filling the space with a blue radiance.

### SCULPTURE

As the surviving statues of Khafre's valley temple demonstrate, Egyptian sculptors were adept at creating lifelike three-dimensional figures that also express a feeling of strength and permanence consistent with the unusually hard stones from which they were carved.

MENKAURE AND A QUEEN. Dignity, calm, and permanence also characterize a sleek double portrait of Khafre's heir King Menkaure and a queen, probably Khamerernebty II, discovered in Menkaure's valley temple (FIG. 3–9). The couple's separate figures, close in size, are joined by the stone from which they emerge, forming a single

unit. They are further united by the queen's symbolic gesture of embrace. Her right hand comes from behind to clasp his torso, and her left hand rests gently, if stiffly, over his upper arm.

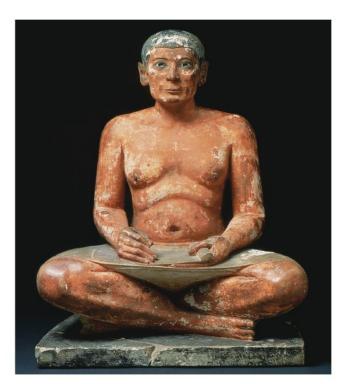
The king—depicted in accordance with Egyptian ideals as an athletic, youthful figure, nude to the waist and wearing the royal kilt and headcloth—stands in a conventional, balanced pose, striding with the left foot forward, his arms straight at his sides, and his fists clenched over cylindrical objects. His equally youthful queen, taking a smaller step forward, echoes his striding pose. Her sheer, close-fitting garment reveals the soft curves of her gently swelling body, a foil for the tight muscularity of the king. The time-consuming task of polishing this double statue was never completed, suggesting that the work may have been undertaken only a few years before Menkaure's death in about 2472 BCE. Traces of red paint remain on the king's face, ears, and neck (male figures were traditionally painted red), as do traces of black on the queen's hair.



**3-9 • MENKAURE AND A QUEEN**Perhaps his wife Khamerernebty II, from Giza. Fourth Dynasty, 2490–2472 BCE. Graywacke with traces of red and black paint, height 54½" (142.3 cm). Museum of Fine Arts, Boston. (11.1738) Harvard University–MFA Expedition

SEATED SCRIBE. Old Kingdom sculptors also produced statues of less prominent people, rendered in a more relaxed, lifelike fashion. A more lively and less formal mode is employed in the statue of a **SEATED SCRIBE** from early in the Fifth Dynasty (FIG. 3–10)—with round head, alert expression, and cap of close-cropped hair—that was discovered near the tomb of a government official named Kai. It could be a portrait of Kai himself. The irregular contours of his engaging face project a sense of individual likeness and human presence.

The scribe's sedentary vocation has made his sagging body slightly flabby, his condition advertising a life free from hard physical labor. An ancient Egyptian inscription emphasizes this point: "Become a scribe so that your limbs remain smooth and your hands soft and you can wear white and walk like a man of standing whom [even] courtiers will greet" (cited in Strouhal, p. 216). This scribe sits holding a papyrus scroll partially unrolled on his lap, his right hand clasping a now-lost reed brush used in writing. The alert expression on his face reveals more than a lively intelligence. Because the pupils are slightly off-center in the irises, the eyes give the illusion of being in motion, as if they were seeking contact, and the reflective quality of the polished crystal inlay reproduces with eerie fidelity the contrast between the moist surface of eyes and the surrounding soft flesh in a living human face.



3-10 • SEATED SCRIBE

Found near the tomb of Kai, Saqqara. Fifth Dynasty, c. 2450–2325 BCE. Painted limestone with inlaid eyes of rock crystal, calcite, and magnesite mounted in copper, height 21" (53 cm). Musée du Louvre, Paris. (N 2290 = E 3023)

High-ranking scribes could hope to be appointed to one of several "houses of life," where they would copy, compile, study, and repair valuable sacred and scientific texts.

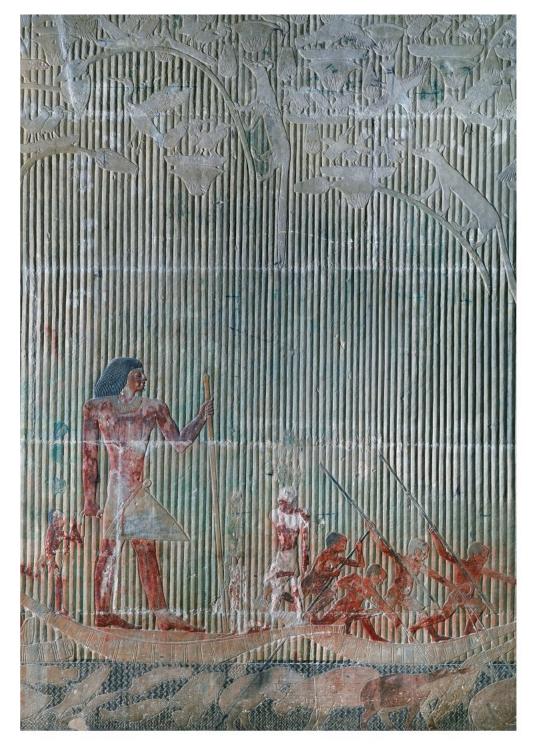


3-11 • BUTCHER

Perhaps from the tomb of the official Ni-kau-inpu and his wife Hemet-re, Giza? Fifth Dynasty, c. 2450–2325 BCE. Painted limestone (knife restored), height  $14^5 \ell''$  (37 cm). Oriental Institute of the University of Chicago. (10626)

Although statues such as this have been assumed to represent the deceased's servants, it has recently been proposed that instead they depict relatives and friends of the deceased in the role of servants, allowing these loved ones to accompany the deceased into the next life.

STATUETTES OF SERVANTS. Even more lifelike than the scribe were smaller figures of servants at work that were made for inclusion in Old Kingdom tombs so that the deceased could be provided for in the next world. Poses are neither formal nor reflective, but rooted directly in the labor these figures were expected to perform throughout eternity. A painted limestone statuette from the Fifth Dynasty (FIG. 3-11) captures a butcher, raised up on the balls of his feet to bend down and lean forward, poised, knife in hand, over the throat of an ox that he has just slaughtered. Having accomplished his work, he looks up to acknowledge us, an action that only enhances his sense of lifelike presence. The emphasis on involved poses and engagement with the viewer may have been an attempt to underscore the ability of such figures to perform their assigned tasks, or perhaps it was meant to indicate their lower social status by showing them involved in physical labor. Both may be signified here. The contrast between the detached stylization of upper-class figures and the engaging lifelikeness of laborers can be seen in Old Kingdom pictorial relief works as well.



3-12 • TI WATCHING A HIPPOPOTAMUS HUNT

Tomb of Ti, Saqqara. Fifth Dynasty, c. 2450–2325 BCE. Painted limestone relief, height approx. 45" (114.3 cm).

### PICTORIAL RELIEF IN TOMBS

To provide the *ka* with the most pleasant possible living quarters for eternity, wealthy families often had the interior walls and ceilings of their tombs decorated with paintings and reliefs. This decoration carried religious meaning, but it could also evoke the deceased's everyday life or depict ceremonial events that

proclaimed the deceased's importance. Tombs therefore provide a wealth of information about ancient Egyptian culture.

THE TOMB OF TI. On the walls of the large mastaba of a wealthy Fifth Dynasty government official named Ti, a painted relief shows him watching a hippopotamus hunt—an official duty of royal courtiers (FIG. 3–12). It was believed that Seth, the god of chaos, disguised himself as a hippo. Hippos were also destructive since they wandered into fields, damaging crops. Tomb depictions of such hunts therefore proclaimed the valor of the deceased and the triumph of good over evil, or at least order over destructiveness.

The artists who created this picture in painted limestone relief used a number of established Egyptian representational conventions. The river is conceived as if seen from above, rendered as a band of parallel wavy lines below the boats. The creatures in this river, however—fish, a crocodile. and hippopotami-are shown in profile for easy identification. The shallow boats carrying Ti and his men by skimming along the surface of the water are shown straight on in relation to the viewers' vantage point, and the papyrus stalks that choke the marshy edges of the river are disciplined into a regular pattern of projecting, linear, parallel, vertical forms that highlight the contrastingly crisp and smooth contour of Ti's stylized body. At the top of the papyrus grove, however, this patterning relaxes while enthusiastic animals of prey-perhaps foxes-stalk birds among the leaves and flowers. The hieratically scaled and sleekly stylized figure of Ti, rendered in the

conventional composite pose, looms over all. In a separate boat ahead of him, the actual hunters, being of lesser rank and engaged in more strenuous activities, are rendered in a more lifelike and lively fashion than their master. They are captured at the charged moment of closing in on the hunted prey, spears positioned at the ready, legs extended for the critical lunge forward.

# THE MIDDLE KINGDOM, c. 1975–c. 1640 BCE

The collapse of the Old Kingdom, with its long succession of powerful kings, was followed by roughly 150 years of political turmoil, fragmentation, and warfare traditionally referred to as the First Intermediate period (c. 2125–1975 BCE). About 2010 BCE, a series of kings named Mentuhotep (Eleventh Dynasty, c. 2010–c. 1938 BCE) gained power in Thebes, and the country was reunited under Nebhepetre Mentuhotep, who reasserted royal power and founded the Middle Kingdom.

The Middle Kingdom was another high point in Egyptian history. Arts and writing flourished in the Twelfth Dynasty (1938–1756 BCE), while reflecting a burgeoning awareness of the political upheaval from which the country had just emerged. Using a strengthened military, Middle Kingdom rulers expanded and patrolled the borders, especially in lower Nubia, south of present-day Aswan (SEE MAP 3–1, page 50). By the Thirteenth Dynasty (c. 1755–1630 BCE), however, central control by the government was weakened by a series of short-lived kings and an influx of foreigners, especially in the Delta.

### PORTRAITS OF SENUSRET III

Some royal portraits from the Middle Kingdom appear to express an unexpected awareness of the hardship and fragility of human existence. Statues of Senusret III, a king of the Twelfth Dynasty,



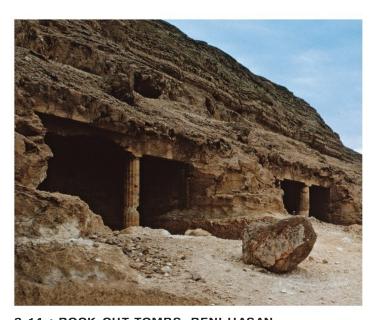
**3-13 • HEAD OF SENUSRET III** Twelfth Dynasty, c. 1836–1818 BCE. Yellow quartzite, height  $17^34 \times 13^12 \times 17''$  (45.1  $\times$  34.3  $\times$  43.2 cm). The Nelson-Atkins Museum of Art, Kansas City, Missouri. Purchase: Nelson Trust (62-11)

who ruled from c. 1836 to 1818 BCE, reflects this new sensibility. Old Kingdom rulers such as Khafre (SEE FIG. 3–8) gaze into eternity confident and serene, toned and unflinching, whereas the portrait of **SENUSRET III** seems to capture a monarch preoccupied and emotionally drained (FIG. 3–13). Creases line his sagging cheeks, his eyes are sunken, his eyelids droop, his forehead is flexed, and his jaw is sternly set—a bold image of a resolute ruler, tested but unbowed.

Senusret was a dynamic king and successful general who led four military expeditions into Nubia, overhauled the Egyptian central administration, and was effective in regaining control over the country's increasingly independent nobles. To modern viewers, his portrait raises questions of interpretation. Are we looking at the face of a man wise in the ways of the world but lonely, saddened, and burdened by the weight of his responsibilities? Or are we looking at a reassuring statement that in spite of troubled times—that have clearly left their mark on the face of the ruler himself—royal rule endures in Egypt? Given what we know about Egyptian history at this time, it is difficult to be sure.

### **ROCK-CUT TOMBS**

During the Eleventh and Twelfth Dynasties, members of the nobility and high-level officials commissioned tombs hollowed out of the face of a cliff. A typical rock-cut tomb included an entrance **portico** (projecting porch), a main hall, and a shrine with a burial chamber under the offering chapel. The chambers of these tombs, as well as their ornamental columns, lintels, false doors, and niches, were all carved into the solid rock. An impressive necropolis was created in the cliffs at **BENI HASAN** on the east bank of the Nile **(FIG. 3–14)**. Painted scenes cover the interior walls of many tombs. Among the best preserved are those in the Twelfth Dynasty tomb



**3-14 • ROCK-CUT TOMBS, BENI HASAN**Twelfth Dynasty (1938–1756 BCE). At the left is the entrance to the tomb of a provincial governor and the commander-in-chief Amenemhat.



**3-15 • PICKING FIGS**Wall painting from the tomb of Khnumhotep, Beni Hasan. Twelfth Dynasty, c. 1890 BCE. Tempera facsimile by Nina de Garis.

of local noble Khnumhotep, some of which portray vivid vignettes of farm work on his estates. In one painting two men harvest figs, rushing to compete with three baboons who relish the ripe fruit from their perches within the trees (FIG. 3–15). One man reaches for a fig to add to the ordered stack in his basket, while his companion carefully arranges the harvest in a larger box for transport. Like the energetic hunters on the much earlier painted relief in the Tomb of Ti (SEE FIG. 3–12), the upper torsos of these farm workers take a more lifelike profile posture, deviating from the strict frontality of the royal composite pose.

### **FUNERARY STELAE**

Only the wealthiest and noblest of ancient Egyptians could afford elaborately decorated mastabas or rock-cut tombs. Prosperous people, however, could still commission funerary stelae depicting themselves, their family, and offerings of food. These personal monuments—meant to preserve the memory of the deceased and inspire the living to make offerings to them—contain compelling works of ancient Egyptian pictorial art. An unfinished stele made for the tomb of the **SCULPTOR USERWER** (FIG. 3–16) presents three levels of decoration: one large upper block with five bands of hieroglyphs, beneath which are two registers with figures, each identified by inscription.



3-16 • STELE OF THE SCULPTOR USERWER
Twelfth Dynasty, c. 1850 BcE.
Limestone, red and black ink,
20½ × 19″ (52 cm × 48 cm).
British Museum London. (EA 579)

The text is addressed to the living, imploring them to make offerings to Userwer: "O living ones who are on the earth who pass by this tomb, as your deities love and favor you, may you say: 'A thousand of bread and beer, a thousand of cattle and birds, a thousand of alabaster [vessels] and clothes, a thousand of offerings and provisions that go forth before Osiris." (Robins, p. 103)

At left, on the register immediately below this inscription, Userwer sits before a table piled with offerings of food. Behind him is his wife Satdepetnet et, and facing him on the other side of the offering table is Satameni, a standing woman also identified as his wife. Userwer could have had more than one wife, but one of these women might also be a deceased first wife of the sculptor. At the other side of the stele on this same register but facing in the opposite direction sits another couple before another table heaped with food. They are identified as Userwer's parents, and the figure on the other side of their offering table is his son, Sneferuweser. In the lowest register are representations of other family members (probably Userwer's children) and his grandparents.

One of the most striking features of the lowest register of this stele is its unfinished state. The two leftmost figures were left uncarved, but the stone surface still maintains the preparatory ink drawing meant to guide the sculptor, preserving striking evidence of a system of canonical figure proportions that was established in the Middle Kingdom (see "Egyptian Pictorial Relief," opposite). The unfinished state of this stele has led to the suggestion that Userwer might have been in the process of carving it for himself when his sudden death left it incomplete.

A more modest stele for a man named **AMENEMHAT** was brought to completion as a vibrantly painted relief (FIG. 3–17). Underneath an inscription, inviting food offerings for the deceased Amenemhat, is a portrait of his family. Amenemhat sits on a lionlegged bench between his wife Iyi and their son Antef, embraced by both. Next to the trio is an offering table, heaped with meat, topped with onions, and sheltering two loaves of bread standing under the table on the floor. On the far right is Anenemhat and Iyi's daughter, Hapy, completing this touching tableau of family unity, presumably projected into their life after death. The painter of this relief follows an established Egyptian convention of differentiating gender by skin tonality, dark red-brown for men and lighter yellow-ocher for women.

### **TOWN PLANNING**

Although Egyptians used durable materials in the construction of tombs, they built their own dwellings with simple mud bricks, which have either disintegrated over time or been carried away for fertilizer by farmers. Only the foundations of these dwellings now remain.

Archaeologists have unearthed the remains of Kahun, a town built by Senusret II (ruled c. 1842–1837 BCE) for the many officials, priests, and workers who built and maintained his pyramid complex. Parallel streets were laid out on a **grid**, forming rectangular blocks divided into lots for homes and other buildings.



**3-17 • STELE OF AMENEMHAT** Assasif. Late Eleventh Dynasty, c. 2000 BCE. Painted limestone,  $11 \times 15''$  ( $30 \times 50$  cm). Egyptian Museum, Cairo. (JE 45626)

The houses of priests, court officials, and their families were large and comfortable, with private living quarters and public rooms grouped around central courtyards. The largest had as many as 70 rooms spread out over half an acre. Workers and their families made do with small, five-room row-houses built back to back along narrow streets.

A New Kingdom workers' village, discovered at Deir el-Medina on the west bank of the Nile near the Valley of the Kings, has provided us with detailed information about the lives of the people who created the royal tombs. Workers lived together here under the rule of the king's chief minister. During a ten-day week, they worked for eight days and had two days off, and also participated in many religious festivals. They lived a good life with their families, were given clothing, sandals, grain, and firewood by the king, and had permission to raise livestock and birds and to tend a garden. The residents had a council, and the many written records that survive suggest a literate and litigious society that required many scribes. Because the men were away for most of the week working on the tombs, women had a prominent role in the town.

### THE NEW KINGDOM, c. 1539-1075 BCE

During the Second Intermediate period (1630–1520 BCE)—another turbulent interruption in the succession of dynasties ruling a unified country—an eastern Mediterranean people called the Hyksos invaded Egypt's northernmost regions. Finally, the kings of the Eighteenth Dynasty (c. 1539–1292 BCE) regained control of the entire Nile region, extending from Nubia in the south to the Mediterranean Sea in the north, and restored political and economic strength. Roughly a century later, one of the same dynasty's most dynamic kings, Thutmose III (r. 1479–1425 BCE), extended Egypt's influence along the eastern Mediterranean coast as far as the region of present-day Syria. His accomplishment was the result of 15 or more military campaigns and his own skill at diplomacy. The heartland of ancient Egypt was now surrounded by a buffer of empire.

## TECHNIQUE | Egyptian Pictorial Relief

Painting usually relies on color and line for its effect, while relief sculpture usually depends on the play of light and shadow alone, but in Egypt, relief sculpture was also painted (SEE FIG. 3–17). The walls and closely spaced columns of Egyptian tombs and temples were almost completely covered with colorful scenes and hieroglyphic texts. Until the Eighteenth Dynasty (c. 1539–1292 BCE), the only colors used were black, white, red, yellow, blue, and green. Modeling might be indicated by overpainting lines in a contrasting color, although the sense of three-dimensionality was conveyed primarily by the carved forms and incised inscriptions underneath the paint. The crisp outlines created by such carving assured the primacy of line in Egyptian pictorial relief.

With very few exceptions, figures, scenes, and texts were composed in bands, or registers. The scenes were first laid out with inked lines, using a squared grid to guide the designer in proportioning the human

figures. The sculptor who executed the carving followed these drawings, and it may have been another person who smoothed the carved surfaces of the relief and eventually covered them with paint.

The lower left corner of the unfinished Twelfth-Dynasty stele of Userwer shown here still maintains its preliminary underdrawings. In some figures there are also the tentative beginnings of the relief carving. The figures are delineated with black ink and the grid lines are rendered in red. Every body part had its designated place on the grid. For example, figures are designed 18 squares tall, measuring from the soles of their feet to their hairline; the tops of their knees conform with the sixth square up from the ground-line. Their shoulders align with the top of square 16 and are six squares wide. Slight deviations exist within this structured design format, but this **canon of proportions** represents an ideal system that was standard in pictorial relief throughout the Middle Kingdom.



DETAIL OF THE STELE OF THE SCULPTOR USERWER IN FIG. 3-16.

Thutmose III was the first ruler to refer to himself as "pharaoh," a term that literally meant "great house." Egyptians used it in the same way that Americans say "the White House" to mean the current U.S. president and his staff. The successors of Thutmose III continued to call themselves pharaohs, and the term ultimately found its way into the Hebrew Bible—and modern usage—as the title for the kings of Egypt.

### THE GREAT TEMPLE COMPLEXES

At the height of the New Kingdom, rulers undertook extensive building programs along the entire length of the Nile. Their palaces, forts, and administrative centers disappeared long ago, but remnants of temples and tombs of this great age have endured. Thebes was Egypt's religious center throughout most of the New Kingdom, and worship of the Theban triad of deities—Amun, his wife Mut, and their son Khons—had spread throughout the country. Temples to these and other gods were a major focus of royal patronage, as were tombs and temples erected to glorify the kings themselves.

THE NEW KINGDOM TEMPLE PLAN. As the home of the god, an Egyptian temple originally took the form of a house—a simple, rectangular, flat-roofed building preceded by a courtyard and gateway. The builders of the New Kingdom enlarged and

multiplied these elements. The gateway became a massive **pylon** with tapering walls; the semipublic courtyard was surrounded by columns (a **peristyle** court); the temple itself included an outer **hypostyle hall** (a vast hall filled with columns) and an inner offering hall and sanctuary. The design was symmetrical and axial—that is, all of its separate elements are symmetrically arranged along a dominant center line, creating a processional path from the outside straight into the sanctuary. The rooms became smaller, darker, and more exclusive as they neared the sanctuary, where the cult image of the god was housed. Only the pharaoh and the priests entered these inner rooms.

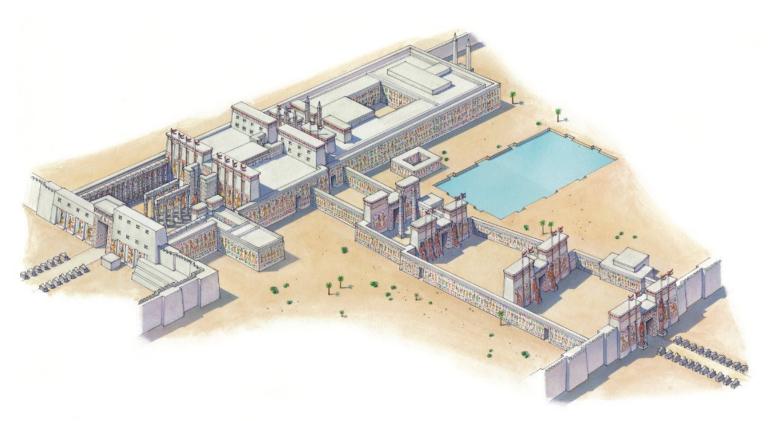
Two temple districts consecrated primarily to the worship of Amun, Mut, and Khons arose near Thebes—a huge complex at Karnak to the north and, joined to it by an avenue of sphinxes, a more compact temple at Luxor to the south.

KARNAK. Karnak was a longstanding sacred site, where temples were built and rebuilt for over 1,500 years. During the nearly 500 years of the New Kingdom, successive kings renovated and expanded the complex of the **GREAT TEMPLE OF AMUN** until it covered about 60 acres, an area as large as a dozen football fields (FIG. 3–18).

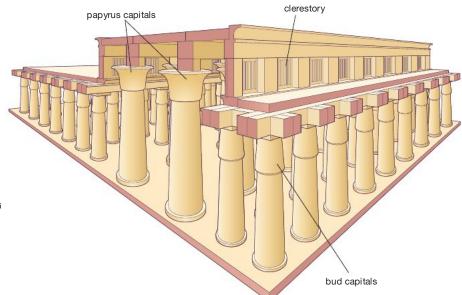
Access to the heart of the temple, a sanctuary containing the statue of Amun, was from the west (on the left side of the reconstruction drawing) through a principal courtyard, a hypostyle hall, and a number of smaller halls and courts. Pylons set off each of

these separate elements. Between the reigns of Thutmose I (Eighteenth Dynasty, r. c. 1493–1482 BCE), and Ramses II (Nineteenth Dynasty, r. c. 1279–1213 BCE), this area of the complex underwent a great deal of construction and renewal. The greater part of the pylons leading to the sanctuary and the halls and courts behind them were renovated or newly built and embellished with colorful pictorial wall reliefs. A sacred lake was also added to the south of the complex, where the king and priests might undergo ritual purification before entering the temple. Thutmose III erected a court and festival temple to his own glory behind the sanctuary of Amun. His great–grandson Amenhotep III (r. 1390–1353 BCE) placed a large stone statue of the god Khepri, the scarab (beetle) symbolic of the rising sun, rebirth, and everlasting life, next to the sacred lake.

In the sanctuary of Amun, priests washed the god's statue every morning and clothed it in a new garment. Because the god was thought to derive nourishment from the spirit of food, his statue was provided with tempting meals twice a day, which the priests then removed and ate themselves. Ordinary people entered the temple precinct only as far as the forecourts of the hypostyle halls, where they found themselves surrounded by inscriptions and images of kings and the god on columns and walls. During religious festivals, they lined the waterways, along which statues of the gods were carried in ceremonial boats, and were permitted to submit petitions to the priests for requests they wished the gods to grant.



3-18 • RECONSTRUCTION DRAWING OF THE GREAT TEMPLE OF AMUN AT KARNAK New Kingdom, c. 1579-1075 BCE.



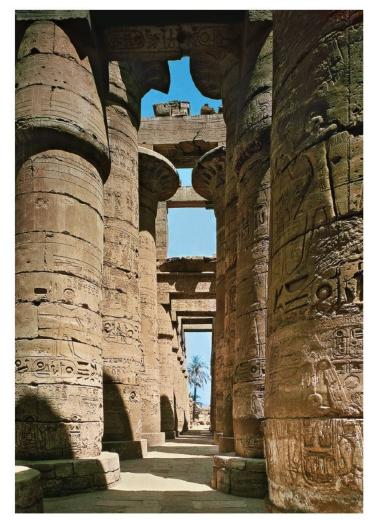
3-19 • RECONSTRUCTION DRAWING OF THE HYPOSTYLE HALL, GREAT TEMPLE OF AMUN AT KARNAK

Nineteenth Dynasty (c. 1292-1190 BCE).

THE GREAT HALL AT KARNAK. One of the most prominent features of the complex at Karnak is the enormous hypostyle hall set between two pylons at the end of the main forecourt. Erected in the reigns of the Nineteenth-Dynasty rulers Sety I (r. c. 1290-1279 BCE) and his son Ramses II (r. c. 1279-1213 BCE), and called the "Temple of the Spirit of Sety, Beloved of Ptah in the House of Amun," it may have been used for royal coronation ceremonies. Ramses II referred to it as "the place where the common people extol the name of his majesty." The hall was 340 feet wide and 170 feet long. Its 134 closely spaced columns supported a roof of flat stones, the center section of which rose some 30 feet higher than the broad sides (FIGS. 3-19, 3-20). The columns supporting this higher part of the roof are 69 feet tall and 12 feet in diameter, with massive papyrus capitals. On each side, smaller columns with bud capitals seem to march off forever into the darkness. In each of the side walls of the higher center section, a long row of window openings created a clerestory. These openings were filled with stone grillwork, so they cannot have provided much light, but they did permit a cooling flow of air through the hall. Despite the dimness of the interior, artists covered nearly every inch of the columns, walls, and cross-beams with painted pictorial reliefs and inscriptions.

### **HATSHEPSUT**

Across the Nile from Karnak and Luxor lay Deir el-Bahri and the Valleys of the Kings and Queens. These valleys on the west bank of the Nile held the royal necropolis, including the tomb of the pharaoh Hatshepsut. The dynamic Hatshepsut (Eighteenth Dynasty, r. c. 1473–1458 BCE) is a notable figure in a period otherwise dominated by male warrior-kings. Besides Hatshepsut, very few women ruled Egypt—they included the little-known Sobekneferu, Tausret, and much later, the well-known Cleopatra VII.



3-20 • COLUMNS WITH PAPYRIFORM AND BUD CAPITALS, HYPOSTYLE HALL, GREAT TEMPLE OF AMUN AT KARNAK

EXPLORE MORE: Click the Google Earth link for the Hypostyle Hall of Amun-Ra www.myartslab.com

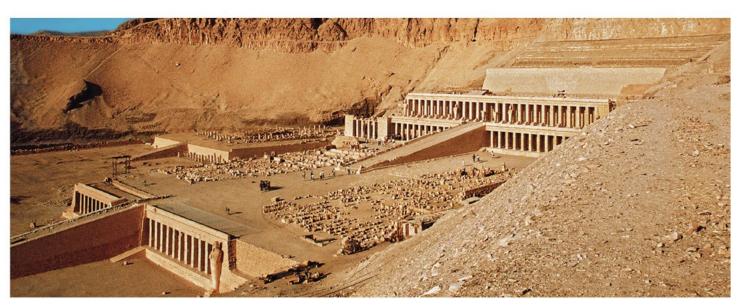


**3-21 • HATSHEPSUT KNEELING**Deir el-Bahri. Eighteenth Dynasty, c. 1473–1458 BCE. Red granite, height 8'6" (2.59 m). Metropolitan Museum of Art, New York.

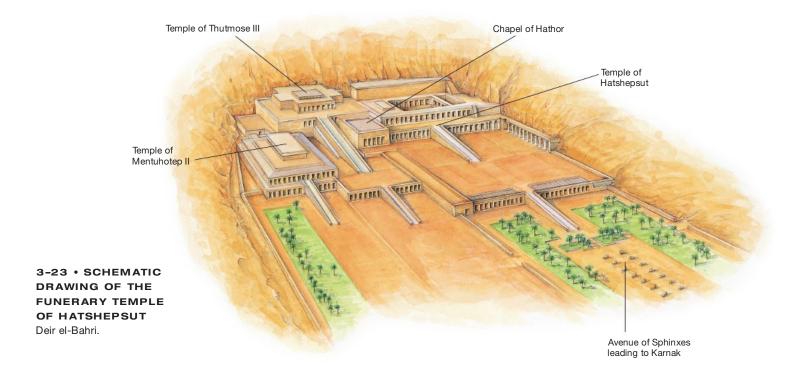
The daughter of Thutmose I, Hatshepsut married her half-brother, who then reigned for 14 years as Thutmose II. When he died in c. 1473, she became regent for his underage son—Thutmose III—born to one of his concubines. Within a few years, Hatshepsut had herself declared "king" by the priests of Amun, a maneuver that made her co-ruler with Thutmose III for 20 years. There was no artistic formula for a female pharaoh in Egyptian art, yet Hatshepsut had to be portrayed in her new role. What happened reveals something fundamentally important about the art of ancient Egypt. She was represented as a male king (FIG. 3–21), wearing a kilt and linen headdress, occasionally even a king's false beard. The formula for portraying kings was not adapted to suit one individual; she was adapted to conform to convention. There could hardly be a more powerful manifestation of the premium on tradition in Egyptian royal art.

At the height of the New Kingdom, rulers undertook extensive personal building programs, and Hatshepsut is responsible for one of the most spectacular: her funerary temple located at Deir el-Bahri, about a mile away from her actual tomb in the Valley of the Kings (FIG. 3–22). This imposing complex was designed for funeral rites and commemorative ceremonies and is much larger and more prominent than the tomb itself, reversing the scale relationship we saw in the Old Kingdom pyramid complexes.

Magnificently sited and sensitively reflecting the natural three-part layering in the rise of the landscape—from flat desert, through a sloping hillside, to the crescendo of sheer stone cliffs—Hatshepsut's temple was constructed on an axial plan (FIG. 3–23). A causeway lined with sphinxes once ran from a valley temple on the Nile to the huge open space of the first court, where rare myrrh trees were planted in the temple's garden terraces. From there, visitors ascended a long, straight ramp to a second court where shrines to Anubis and Hathor occupy the ends of the columned porticos. On the temple's uppermost court, colossal royal statues fronted another **colonnade** 



3-22 • FUNERARY TEMPLE OF HATSHEPSUT, DEIR EL-BAHRI
Eighteenth Dynasty, c. 1473–1458 BCE. (At the far left, ramp and base of the funerary temple of Mentuhotep III. Eleventh Dynasty, r. c. 2009–1997 BCE.)



(a row of columns supporting a lintel or a series of arches), and behind this lay a large hypostyle hall with chapels dedicated to Hatshepsut, her father, and the gods Amun and Ra-Horakhty—a powerful form of the sun god Ra combined with Horus. Centered in the hall's back wall was the entrance to the innermost sanctuary, a small chamber cut deep into the cliff.

wife Merytptah, or visualizing the funeral rites that would take place after their death. But the tomb was not used by Ramose. Work on it ceased in the fourth year of Amenhotep IV's reign, when, renamed Akhenaten, he relocated the court from Thebes to the new city of Akhetaten. Presumably Ramose moved with the court to the new capital, but neither his name nor a new tomb has been discovered there.

### THE TOMB OF RAMOSE

The traditional art of pictorial relief, employing a representational system that had dominated Egyptian figural art since the time of Narmer, reached a high degree of aesthetic refinement and technical sophistication during the Eighteenth-Dynasty reign of Amenhotep III (r. c. 1390–1353 BCE), especially in the reliefs carved for the unfinished tomb of Ramose near Thebes (FIG. 3–24).

As mayor of Thebes and vizier (principal royal advisor or minister) to both Amenhotep III and Amenhotep IV (r. 1353–c. 1336 BCE), Ramose was second only to the pharaoh in power and prestige. Soon after his ascent to political prominence, he began construction of an elaborate tomb comprised of four rooms, including an imposing hypostyle hall 82 feet wide. Walls were covered with paintings or with shallow pictorial relief carvings, celebrating the accomplishments, affiliations, and lineage of Ramose and his



**3-24 • RAMOSE'S BROTHER MAY AND HIS WIFE WERENER** Tomb of Ramose, Thebes. Eighteenth Dynasty, c. 1375–1365 BCE.

The tomb was abandoned in various stages of completion. The reliefs were never painted, and some walls preserve only the preliminary sketches that would have guided sculptors. But the works that were executed are among the most sophisticated relief carvings in the history of art. On one wall, Ramose and his wife Merytptah appear, hosting a banquet for their family. All are portrayed at the same moment of youthful perfection, even though they represent two successive generations. Sophisticated carvers lavished their considerable technical virtuosity on the portrayal of these untroubled and majestic couples, creating clear textural differentiation of skin, hair, clothes, and jewelry. The easy elegance of linear fluidity is not easy to obtain in this medium, and the convincing sense of three-dimensionality in forms and their placement is managed within an extraordinarily shallow depth of relief. In the detail of Ramose's brother May and sister-in-law Werener in FIG. 3-24, the traditional ancient Egyptian marital embrace (SEE FIGS. 3-9, 3-17) takes on a new tenderness, recalling—especially within the eternal stillness of a tomb—the words of a New Kingdom love poem:

While unhurried days come and go, Let us turn to each other in quiet affection, Walk in peace to the edge of old age. And I shall be with you each unhurried day, A woman given her one wish: to see For a lifetime the face of her lord. (Foster, p. 18)

The conceptual conventions of Egyptian pharaonic art are rendered in these carvings with such warmth and refinement that they become almost believable. Our rational awareness of their artificiality is momentarily eclipsed by their sheer beauty. But within this refined world of stable convention, something very arring took place during the reign of Amenhotep III's successor, Amenhotep IV.

#### AKHENATEN AND THE ART OF THE AMARNA PERIOD

Amenhotep IV was surely the most unusual ruler in the history of ancient Egypt. During his 17-year reign (c. 1353-1336 BCE), he radically transformed the political, spiritual, and cultural life of the country. He founded a new religion honoring a single supreme god, the life-giving sun deity Aten (represented by the sun's disk), and changed his own name in about 1348 BCE to Akhenaten ("One Who Is Effective on Behalf of Aten"). Abandoning Thebes, the capital of Egypt since the beginning of his dynasty and a city firmly in the grip of the priests of Amun, Akhenaten built a new capital much farther north, calling it Akhetaten ("Horizon of the Aten"). Using the modern name for this site, Tell el-Amarna, historians refer to Akhenaten's reign as the Amarna period.

THE NEW AMARNA STYLE. Akhenaten's reign not only saw the creation of a new capital and the rise of a new religious focus; it also led to radical changes in royal artistic conventions. In portraits



3-25 • COLOSSAL FIGURE OF AKHENATEN

From the temple known as the Gempaaten, built early in Akhenaten's reign just southeast of the Temple of Karnak. Sandstone with traces of polychromy, height of remaining portion about 13' (4 m). Egyptian Museum, Cairo. (JE 49528)

**EXPLORE MORE:** Gain insight from a primary source related to the Colossal Figure of Akhenaten www.myartslab.com

of the king, artists subjected his representation to startling stylizations, even physical distortions. This new royal figure style can be seen in a colossal statue of Akhenaten, about 16 feet tall, created for a new temple to the Aten that he built near the temple complex of Karnak, openly challenging the state gods (FIG. 3–25). This portrait was placed in one of the porticos of a huge courtyard (c. 426 by 394 feet), oriented to the movement of the sun.

The sculpture's strange, softly swelling forms suggest androgyny. The sagging stomach and inflated thighs contrast with spindly arms, protruding clavicles, and an attenuated neck, on which sits a strikingly stylized head. Facial features are exaggerated, often distorted. Slit-like eyes turn slightly downward, and the bulbous, sensuous lips are flanked by dimples that evoke the expression of ephemeral human emotion. Such stark deviations from convention are disquieting, especially since Akhenaten holds the flail and shepherd's crook, traditional symbols of the pharoah's super-human sovereignty.

The new Amarna style characterizes not only official royal portraits, but also pictorial relief sculpture portraying the family life of Akhenaten and Queen Nefertiti. In one panel the king and queen sit on cushioned stools playing with their nude daughters (FIG. 3-26), whose elongated shaved heads conform to the newly minted figure type. The royal couple receive the blessings of the Aten, whose rays end in hands that penetrate the open pavilion to offer ankhs before their nostrils, giving them the "breath of life." The king holds one child and lovingly pats her head, while she pulls herself forward to kiss him. The youngest of the three perches on Nefertiti's shoulder, trying to attract her mother's attention by stroking her cheek, while the oldest sits on the queen's lap, tugging at her mother's hand and pointing to her father. What a striking contrast with the relief from Ramose's tomb! Rather than composed serenity, this artist has conveyed the fidgety behavior of children and the loving involvement of their parents in a manner not even hinted at in earlier royal portraiture.



3-26 • AKHENATEN AND HIS FAMILY

Akhetaten (present-day Tell el-Amarna). Eighteenth Dynasty, c. 1353–1336 BCE. Painted limestone relief,  $12^1 \cancel{4} \times 15^1 \cancel{4}''$  (31.1 × 38.7 cm). Staatliche Museen zu Berlin, Preussischer Kulturbesitz, Ägyptisches Museum. (14145)

Egyptian relief sculptors often employed the **sunken relief** technique seen here. In ordinary reliefs, the background is carved back so that the figures project out from the finished surface. In sunken relief, the original flat surface of the stone is reserved as background, and the outlines of the figures are deeply incised, permitting the development of three-dimensional forms within them.

EXPLORE MORE: Gain insight from a primary source about Akhenaten www.myartslab.com

THE PORTRAIT OF TIY. Akhenaten's goals were actively supported not only by Nefertiti but also by his mother, QUEEN TIY (FIG. 3–27). She had been the chief wife of the king's father, Amenhotep III, and had played a significant role in affairs of state during his reign. Queen Tiy's personality seems to emerge from a miniature portrait head that reveals the exquisite bone structure of her dark-skinned face, with its arched brows, uptilted eyes, and slightly pouting lips. Originally, this portrait included a funerary silver headdress covered with gold cobras and gold jewelry. But after her son came to power and established his new religion, the portrait was altered. A brown cap covered with blue glass beads was placed over the original headdress.

THE HEAD OF NEFERTITI. The famous head of NEFERTITI (FIG. 3–28) was discovered in the studio of the sculptor Thutmose and may have served as a model for full-length sculptures or paintings of the queen. The proportions of Nefertiti's refined, regular features, long neck, and heavy-lidded eyes appear almost too ideal to be human, but are eerily consistent with standards of beauty in our own culture. Part of the appeal of this portrait bust, aside from its stunning beauty, may be the artist's dramatic use of color. The hues of the blue headdress and its striped band are repeated in the rich red, blue, green, and gold of the jeweled necklace. The queen's brows, eyelids, cheeks, and lips are heightened with color, as they no doubt were heightened with cosmetics in real life. Whether or not Nefertiti's beauty is exaggerated, phrases used by her subjects when referring to her—"Beautiful of Face," "Mistress



3-27 • QUEEN TIY

Kom Medinet el-Ghurab (near el-Lahun). Eighteenth Dynasty, c. 1352 BCE. Wood (perhaps yew and acacia), ebony, glass, silver, gold, lapis lazuli, cloth, clay, and wax, height 3°4″ (9.4 cm). Staatliche Museen zu Berlin, Preussischer Kulturbesitz, Ägyptisches Museum. (21834)



3-28 • NEFERTITI

Akhetaten (modern Tell el-Amarna). Eighteenth Dynasty, c. 1353–1336 BCE. Painted limestone, height 20" (51 cm). Staatliche Museen zu Berlin, Preussischer Kulturbesitz, Ägyptisches Museum. (21300)

of Happiness," "Great of Love," or "Endowed with Favors"—tend to support the artist's vision.

GLASS. Glassmaking could only be practiced by artists working for the king, and Akhenaten's new capital had its own glassmaking workshops (see "Glassmaking," opposite). A bottle produced there and meant to hold scented oil was fashioned in the shape of a fish that has been identified as a bolti, a species that carries its eggs in its mouth and spits out its offspring when they hatch. The bolti was a common symbol for birth and regeneration, complementing the self-generation that Akhenaten attributed to the sun disk Aten.

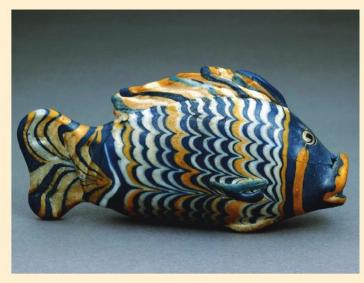
# THE RETURN TO TRADITION: TUTANKHAMUN AND RAMSES II

Akhenaten's new religion and revolutionary reconception of pharaonic art outlived him by only a few years. The priesthood of Amun quickly regained its former power, and his son Tutankhaten (Eighteenth Dynasty, r. c. 1332–1322 BCE) returned to traditional religious beliefs, changing his name to Tutankhamun—"Living Image of Amun"—and moving his court back to Thebes. He died young and was buried in the Valley of the Kings.

## **TECHNIQUE** I Glassmaking

No one knows precisely when or where the technique of glassmaking first developed, but the basics of the process are quite clear. Heating a mixture of sand, lime, and sodium carbonate or sodium sulfate to a very high temperature produces glass. The addition of minerals can make the glass transparent, translucent, or opaque, as well as create a vast range of colors.

The first objects to be made entirely of glass in Egypt were produced with the technique known as core-formed glass. A lump of sandy clay molded into the desired shape was wrapped in strips of cloth, then skewered on a fireproof rod. It was then briefly dipped into a pot of molten glass. When the resulting coating of glass had cooled, the clay core was removed through the opening left by the skewer. To decorate the vessel, glassmakers frequently heated thin rods of colored glass and fused them on and flattened them against the surface in strips. In the fish-shaped bottle shown here—an example of core-formed glass from the New Kingdom's Amarna period—the body was created from glass tinted with cobalt, and the surface was then decorated with small rods of white and orange glass, achieving the wavy pattern that resembles fish scales by dragging a pointed tool along the surface. Then two slices of a rod of spiraled black and white glass were fused to the surface to create its eyes.



FISH-SHAPED PERFUME BOTTLE
Akhetaten (present-day Tell el-Amarna). Eighteenth Dynasty, reign of Akhenaten, c. 1353–1336 BCE. Core formed glass, length 534" (14.5 cm). British Museum, London. (EA 55193)

TUTANKHAMUN'S TOMB. The sealed inner chamber of Tutankhamun's tomb was never plundered, and when it was found in 1922 its incredible riches were just as they had been left since his interment. His mummified body, crowned with a spectacular mask preserving his royal likeness (SEE FIG. 3–1), lay inside three nested coffins that identified him with Osiris, the god of the dead. The innermost coffin, in the shape of a mummy, is the richest of the three (FIG. 3–29). Made of over 240 pounds (110.4 kg) of gold, its surface is decorated with colored glass and semiprecious gemstones, as well as finely incised linear designs and hieroglyphic

inscriptions. The king holds a crook and a flail, symbols that were associated with Osiris and had become a traditional part of the royal regalia. A *nemes* headcloth with projecting cobra and vulture covers his head, and a blue braided beard is attached to his chin. Nekhbet and Wadjet, vulture and cobra goddesses of Upper and Lower Egypt, spread their wings across his body. The king's features as reproduced on the coffin and masks are those of a very young man, and the unusually full lips, thin-bridged nose, and pierced earlobes suggest the continuing vitality of some Amarna stylizations.



#### 3-29 • INNER COFFIN OF TUTANKHAMUN'S SARCOPHAGUS

Tomb of Tutankhamun, Valley of the Kings. Eighteenth Dynasty, c. 1332–1322 BCE. Gold inlaid with glass and semiprecious stones, height 6'7' (1.85 m), weight nearly 243 pounds (110.4 kg). Egyptian Museum, Cairo. (JE 60671)

SEE MORE: View a video about Tutankhamen www.myartslab.com



# THE OBJECT SPEAKS

## The Temples of Ramses II at Abu Simbel

Many art objects speak to us subtly, through their enduring beauty or mysterious complexity. Monuments such as Ramses II's temples at Abu Simbel speak to us more directly across the ages with a sense of raw power born of sheer scale. This king-god of Egypt, ruler of a vast empire, a virile wonder who fathered nearly a hundred children, is self-described in an inscription he had carved into an obelisk (now standing in the heart of Paris): "Son of Ra: Ramses-Meryamun ['Beloved of Amun']. As long as the skies exist, your monuments shall exist, your name shall exist, firm as the skies."

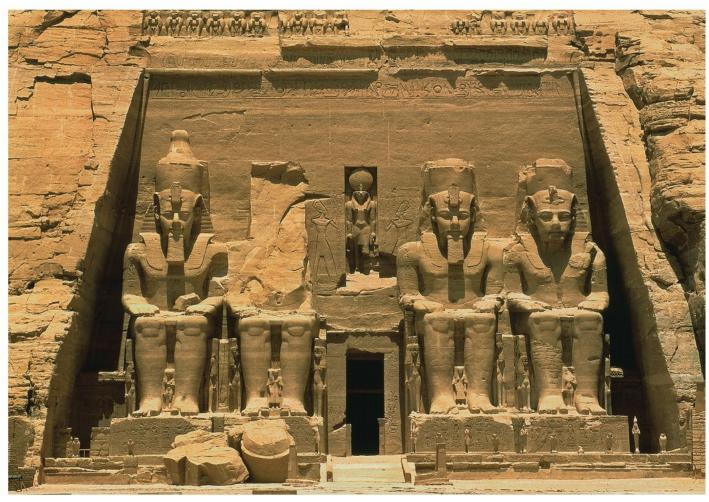
Abu Simbel was an auspicious site for Ramses II's great temples. It is north of the second cataract of the Nile, in Nubia, the

ancient land of Kush, which Ramses ruled and which was the source of his gold, ivory, and exotic animal skins. The monuments are carved directly into the living rock of the sacred hills. The larger temple is dedicated to Ramses and the Egyptian gods Amun, Ra-Horakhty, and Ptah. The dominant feature is a row of four colossal seated statues of the king himself, 65 feet high, flanked by relatively small statues of family members, including his principal wife Nefertari. Inside the temple, eight 23-foot statues of the god Osiris with the face of the god-king Ramses further proclaim his divinity. The corridor they form leads to seated figures of Ptah, Amun, Ramses II, and Ra. The corridor was oriented in such a way that twice a year the first rays of the rising sun shot through its

entire depth to illuminate statues of the king and the three gods placed against the back wall

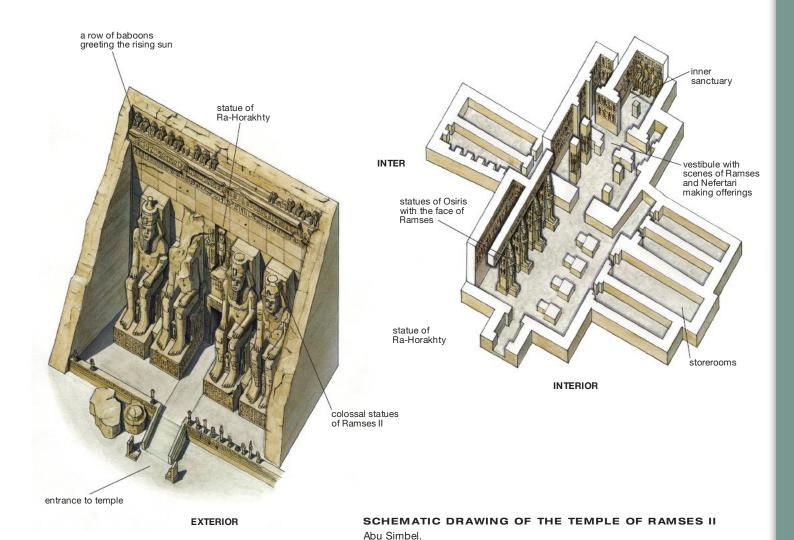
About 500 feet away, Ramses ordered a smaller temple to be carved into a mountain sacred to Hathor, goddess of fertility, love, joy, and music, and to be dedicated to Hathor and to Nefertari. The two temples were oriented so that their axes crossed in the middle of the Nile, suggesting that they may have been associated with the annual life-giving flood.

Ironically, rising water nearly destroyed them both. Half-buried in the sand over the ages, the temples were only rediscovered early in the nineteenth century. But in the 1960s, construction of the Aswan High Dam flooded the Abu Simbel site. An international



TEMPLE OF RAMSES II
Abu Simbel. Nineteenth Dynasty, c. 1279–1213 BCE.

team of experts mobilized to find a way to safeguard Ramses II's temples, deciding in 1963 to cut them out of the rock in blocks and re-erect them on higher ground, secure from the rising waters of Lake Nasser. The projected cost of \$32 million was financed by UNESCO, with Egypt and the United States each pledging contributions of \$12 million. Work began in 1964 and was completed in 1968. Because of such international cooperation and a combination of modern technology and patient, hard labor, Ramses II's temples were saved from sure destruction so they can continue to speak to future generations.



EXPLORE MORE: Click the Google Earth link for the Temple of Ramses II at Abu Simbel www.myartslab.com

RAMSES II AND ABU SIMBEL. By Egyptian standards Tutankhamun was a rather minor king. Ramses II, on the other hand, was both powerful and long-lived. Under Ramses II (Nineteenth Dynasty, r. c. 1279–1213 BCE), Egypt was a mighty empire. Ramses was a bold leader and an effective political strategist. Although he did not win every battle, he was an effective master of royal propaganda, able to turn military defeats into glorious victories. He also triumphed diplomatically by securing a peace agreement with the Hittites, a rival power centered in Anatolia (see Chapter 2) that had tried to expand to the west and south at Egypt's expense. Ramses twice reaffirmed that agreement by marrying Hittite princesses.

In the course of a long and prosperous reign, Ramses II initiated building projects on a scale rivaling the Old Kingdom Pyramids at Giza. Today, the most awe-inspiring of his many architectural monuments are found at Karnak and Luxor, and at Abu Simbel in Egypt's southernmost region (see "The Temples of Ramses II at Abu Simbel," pages 74–75). At Abu Simbel, Ramses ordered two large temples to be carved into natural rock, one for himself and the other for his principal wife, Nefertari.

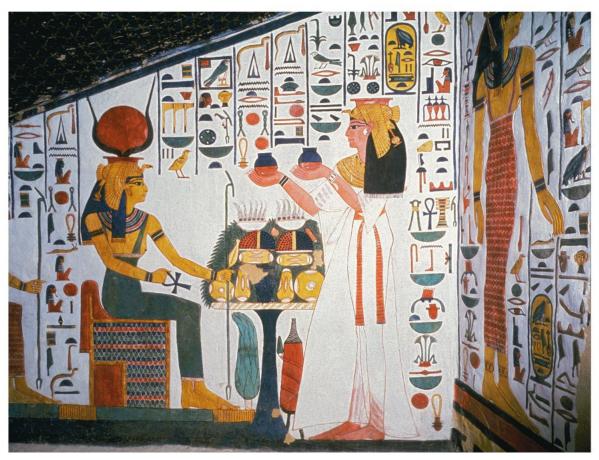
The temples at Abu Simbel were not funerary monuments. Ramses' and Nefertari's tombs are in the Valleys of the Kings and Queens. The walls of Nefertari's tomb are covered with exquisite paintings. In one mural, Nefertari offers jars of perfumed ointment

to the goddess Isis (FIG. 3–30). The queen wears the vulture-skin headdress and jeweled collar indicating her royal position, and a long, semitransparent white linen gown. Isis, seated on her throne behind a table heaped with offerings, holds a long scepter in her left hand, the ankh in her right. She wears a headdress surmounted by the horns of Hathor framing a sun disk, clear indications of her divinity.

The artists responsible for decorating the tomb diverged very subtly but distinctively from earlier stylistic conventions. The outline drawing and use of pure colors within the lines reflect traditional practices, but quite new is the slight modeling of the body forms by small changes of hue to enhance the appearance of three-dimensionality. The skin color of these women is much darker than that conventionally used for females in earlier periods, and lightly brushed-in shading emphasizes their eyes and lips.

#### THE BOOKS OF THE DEAD

By the time of the New Kingdom, the Egyptians had come to believe that only a person free from wrongdoing could enjoy an afterlife. The dead were thought to undergo a last judgment consisting of two tests presided over by Osiris, the god of the underworld, and supervised by the jackal-headed god of embalming and cemeteries, Anubis. After the deceased were questioned about their behavior in life, their hearts—which the Egyptians believed to



3-30 • QUEEN NEFERTARI MAKING AN OFFERING TO ISIS
Wall painting in the tomb of Nefertari, Valley of the Queens. Nineteenth Dynasty, 1290–1224 BCE.

## RECOVERING THE PAST | The Rosetta Stone

After centuries of foreign rule, beginning with the arrival of the Greeks in 332 BCE, the ancient Egyptian language gradually died out. Modern scholars were only able to recover this long-forgotten language through a fragment of a stone stele, dated 196 BCE. Known today as the Rosetta Stone—for the area of the Delta where one of Napoleon's officers discovered it in 1799—it contains a decree issued by the priests at Memphis honoring Ptolemy V (r. c. 205–180 BCE) carved in hieroglyphs, demotic (a simplified, cursive form of hieroglyphs), and Greek.

Even with the juxtaposed Greek translation, the two Egyptian texts remained incomprehensible until 1818, when Thomas Young, an English physician interested in ancient Egypt, linked some of the hieroglyphs to specific names in the Greek version. A short time later, French scholar Jean-François Champollion located the names Ptolemy and Cleopatra in both of the Egyptian scripts. With the phonetic symbols for P, T, O, and L in demotic, he was able to build up an "alphabet" of hieroglyphs, and by 1822 he had deciphered the two Egyptian texts.



ROSETTA STONE 196 BCE. British Museum, London.











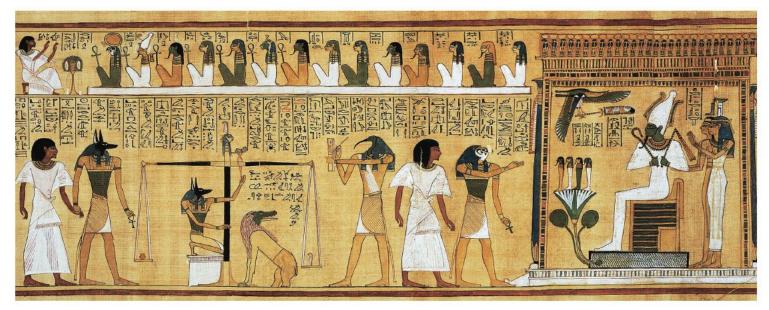




Hieroglyphic signs for the letters P, T, O, and L, which were Champollion's clues to deciphering the Rosetta Stone.

be the seat of the soul—were weighed on a scale against an ostrich feather, the symbol of Ma'at, goddess of truth, order, and justice.

Family members commissioned papyrus scrolls containing magical texts or spells, which the embalmers sometimes placed among the wrappings of the mummified bodies. Early collectors of Egyptian artifacts referred to such scrolls, often beautifully illustrated, as "Books of the Dead." A scene in one that was created for a man named Hunefer (Nineteenth Dynasty) shows three successive stages in his induction into the afterlife (FIG. 3–31). At the left, Anubis leads him by the hand to the spot where he will



3-31 • JUDGMENT OF HUNEFER BEFORE OSIRIS

Illustration from a Book of the Dead. Nineteenth Dynasty, c. 1285 BCE. Painted papyrus, height  $15^5$ {''} (39.8 cm). British Museum, London. (EA 9901)



weigh his heart against the "feather of Truth." Ma'at herself appears atop the balancing arm of the scales wearing the feather as a headdress. To the right of the scales, Ammit, the dreaded "Eater of the Dead"—part crocodile, part lion, and part hippopotamus—watches eagerly for a sign from the ibis-headed god Thoth, who prepares to record the result of the weighing

But the "Eater" goes hungry. Hunefer passes the test, and Horus, on the right, presents him to the enthroned Osiris, who floats on a lake of natron (see "Preserving the Dead," page 56). Behind the throne, the goddesses Nephthys and Isis support the god's left arm, while in front of him Horus's four sons, each entrusted with the care of one of the deceased's vital organs, stand atop a huge lotus blossom rising up out of the lake. In the top register, Hunefer, finally accepted into the afterlife, kneels before 14 gods of the underworld.

# THE THIRD INTERMEDIATE PERIOD, c. 1075–715 BCE

After the end of the New Kingdom, Egypt was ruled by a series of new dynasties, whose leaders continued the traditional patterns of royal patronage and pushed figural conventions in new and interesting directions. One of the most extraordinary, and certainly one of the largest, surviving examples of ancient Egyptian bronze sculpture dates from this period (FIG. 3–32). An inscription on the base identifies the subject as Karomama, divine consort of Amun and member of a community of virgin priestesses selected from the pharaoh's family or retinue who were dedicated to him. Karomama herself was the granddaughter of king Osorkan I (Twenty-First Dynasty, r. c. 985–978 BCE). These priestesses amassed great power, held property, and maintained their own court, often passing on their position to one of their nieces. The *sistra* (ritual rattles) that Karomama once carried in her hands would have immediately identified her as a priestess rather than a princess.

The main body of this statue was cast in bronze and subsequently covered with a thin sheathing of bronze, which was then exquisitely engraved with patterns inlaid with gold, silver, and electrum (a natural alloy of gold and silver). Much of the inlay has disappeared, but we can still make out the elaborately incised drawing of the bird wings that surround Karomama and accentuate the fullness of her figure, conceived to embody a new female ideal. Her slender limbs, ample hips, and more prominent breasts contrast with the uniformly slender female figures of the late New Kingdom (SEE FIG. 3–30).

#### 3-32 • KAROMAMA

Third Intermediate period, Twenty-Second Dynasty, c. 945–715 BCE. Bronze inlaid with gold, silver, electrum, glass, and copper, height 2312" (59.5 cm). Musée du Louvre, Paris.



**3-33 • MUMMY WRAPPING OF A YOUNG BOY** Hawara. Roman period, c. 100–120 ce. Linen wrappings with gilded stucco buttons and inserted portrait in encaustic on wood, height of mummy  $53^3$  %" (133 cm), portrait  $9^1$ / $_2 \times 6^1$ / $_2$ " (24  $\times$  16.5 cm). British Museum, London. (EA 13595)

## LATE EGYPTIAN ART, c. 715-332 BCE

The Late period in Egypt saw the country and its art in the hands and service of foreigners. Nubians, Persians, Macedonians, Greeks, and Romans were all attracted to Egypt's riches and seduced by its art. The Nubians conquered Egypt and re-established capitals at Memphis and Thebes (712–657 BCE).

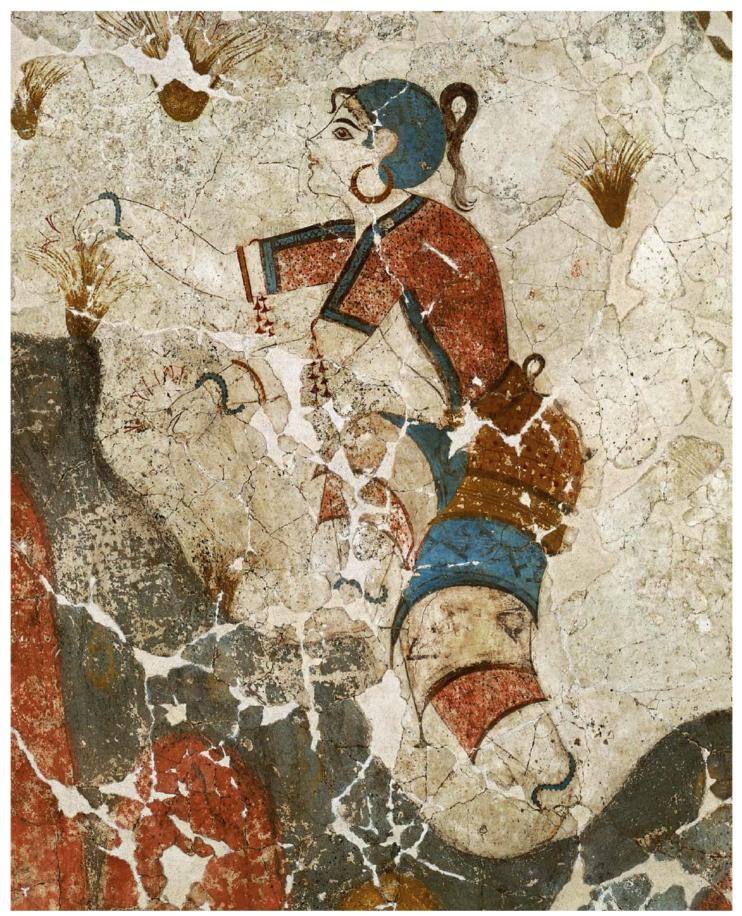
In 332 BCE the Macedonian Greeks led by Alexander the Great conquered Egypt, and after Alexander's death in 323 BCE, his generals divided up his empire. Ptolemy, a Greek, took Egypt, declaring himself king in 305 BCE. The Ptolemaic dynasty ended with the death of Cleopatra VII (r. 51–30 BCE), when the Romans succeeded as Egypt's rulers and made it the breadbasket of Rome.

Not surprisingly, works from this period combine the conventions of Greco-Roman and Egyptian art. For example, the tradition of mummifying the dead continued well into Egypt's Roman period. Thousands of mummies and hundreds of mummy portraits from that time have been found in the Fayum region of Lower Egypt. The mummy becomes a "soft sculpture" with a Roman-style portrait (FIG. 3–33) painted on a wood panel in encaustic (hot, colored wax), inserted over the face. Although great staring eyes invariably dominate the images—as they had in the funerary mask of Tutankhamun—these artists have seemingly recorded individual features of the deceased. Such Fayum portraits link Egyptian art with ancient Roman art (see Chapter 6).

### THINK ABOUT IT

- 3.1 Discuss how the distinctive pictorial conventions for representing the human figure in ancient Egypt are used in the Palette of Narmer ("Closer Look," page 52) and the Tomb of Ramose (fig. 3–24).
- **3.2** Explain how depictions of royalty differ from those of ordinary people in ancient Egyptian art. Then compare and contrast Egyptian royal portraits from two different periods, making sure to explain the distinctive traits that characterize each.
- 3.3 Summarize the religious beliefs of ancient Egypt with regard to the afterlife, and explain how their beliefs inspired specific traditions in art and architecture.
- 3.4 Select a New Kingdom temple in this chapter that best represents the complexity of construction and decoration that New Kingdom builders brought to this traditional form of ancient Egyptian architecture. Support your choice with a discussion of its structural and decorative features.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**4-1 • GIRL GATHERING SAFFRON CROCUS FLOWERS** Detail of wall painting, Room 3 of House Xeste 3, Akrotiri, Thera, Cyclades. Before 1630 BCE. Thera Foundation, Petros M. Nomikos, Greece.

# ART OF THE ANCIENT AEGEAN

This elegantly posed and sharply silhouetted girl, reaching to pluck the crocus flowers blooming on the hillside in front of her (FIG. 4-1), offers us a window into life in the ancient Aegean world. The image is from a fresco of c. 1650 BCE found in a house in Akrotiri, a town on the Aegean island of Thera that was famous for the saffron harvested from its crocuses. Saffron was valued in the Bronze Age Aegean mainly as a yellow dye in textile production, but it also had medicinal properties and was used to alleviate menstrual cramps. The latter use may be referenced in this image, since the fresco was part of the elaborate painted decoration of a room used for the coming of age ceremonies of young women at the onset of menses. The crocus gatherer's shaved head and looped long ponytail are attributes of childhood, but the light blue color of her scalp indicates that her hair is beginning to grow out, suggesting that she is entering adolescence.

The house that contained this painting disappeared suddenly more than 3,600 years ago, when the volcano that formed the island of Thera erupted, spewing pumice that filled and sealed every crevice of Akrotiri—fortunately, after the residents had fled. The rediscovery of the lost town in 1967 was among the most significant archaeological events of the second half of the twentieth century, and excavation of the city is still under way. The opportunity that Thera affords

archaeologists to study works of art and architecture in context has allowed for a deeper understanding of the Bronze Age cultures of the Aegean. As the image of the girl gathering crocuses illustrates, wall paintings may reflect the ritual uses of a room or building, and the meanings of artifacts are better understood by considering both where they are found and how they are grouped with one another.

Before 3000 BCE until about 1100 BCE, several Bronze Age cultures flourished simultaneously across the Aegean: on a cluster of small islands (including Thera) called the Cyclades, on Crete and other islands in the eastern Mediterranean, and on mainland Greece (MAP 4-1). To learn about these cultures, archaeologists have studied shipwrecks, homes, and grave sites, as well as the ruins of architectural complexes. Archaeology-uncovering and interpreting material culture to reconstruct its original context-is our principal means of understanding the Bronze Age culture of the Aegean, since only one of its three written languages has been decoded. In recent years, archaeologists and art historians have collaborated with researchers in such areas of study as the history of trade and the history of climate change to provide an ever-clearer picture of ancient Aegean society. But many sites await excavation, or even discovery. The history of the Bronze Age Aegean is still being written.

### **LEARN ABOUT IT**

- 4.1 Compare and contrast the art and architecture developed by three Aegean Bronze Age cultures.
- **4.2** Evaluate how archaeology has recovered, reconstructed, and interpreted ancient Aegean material culture despite the lack of written documents.
- 4.3 Assess differences in the designs and use of the large architectural complexes created by the Minoans and the Mycenaeans.
- **4.4** Investigate the relationship between art and social rituals or communal practices in the ancient Aegean cultures.
- **4.5** Discover the technical sophistication of Bronze Age artists working in metal, stone, and ceramics.

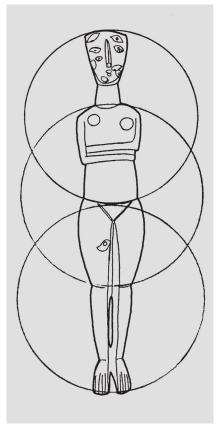
HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

### THE BRONZE AGE IN THE AEGEAN

Using metal ores imported from Europe, Arabia, and Anatolia, Aegean peoples created exquisite objects of bronze that were prized for export. This early period when the manufacture of bronze tools and weapons became widespread is known as the Aegean Bronze Age. (See Chapter 1 for the Bronze Age in northern Europe.)

For the ancient Aegean peoples, the sea provided an important link not only between the mainland and the islands, but also to the world beyond. In contrast to the landlocked civilizations of the Near East, and to the Egyptians, who used river transportation, the peoples of the Aegean were seafarers and their ports welcomed ships from other cultures around the Mediterranean. For this reason shipwrecks offer a rich source of information about the material culture of these ancient societies. For example, the wreck





4-2 • FIGURE OF A WOMAN WITH A DRAWING SHOWING EVIDENCE OF ORIGINAL PAINTING AND OUTLINING DESIGN SCHEME

Cyclades. c. 2600–2400 BCE. Marble, height 2434" (62.8 cm). Figure: Metropolitan Museum of Art, New York. Gift of Christos G. Bastis, 68.148. Drawing: Elizabeth Hendrix.

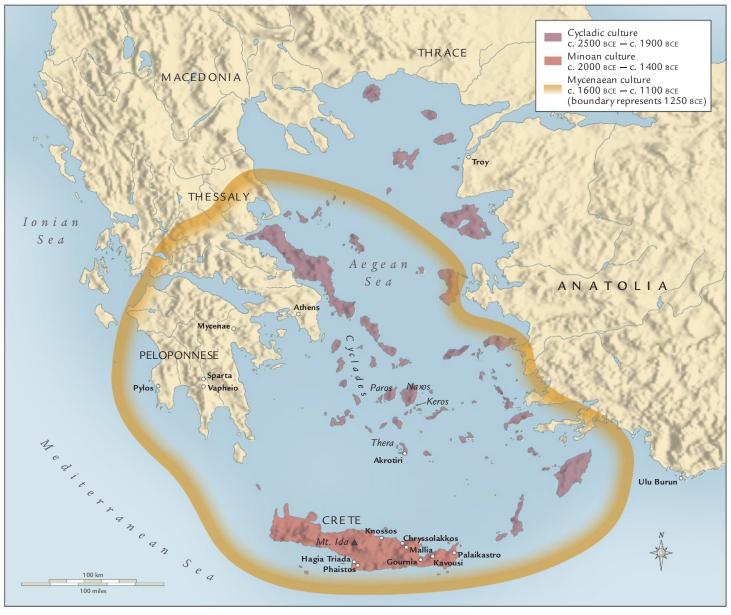
of a trading vessel (probably from the Levant, the Mediterranean coast of the Near East) thought to have sunk in or soon after 1306 BCE and discovered in the vicinity of Ulu Burun, off the southern coast of modern Turkey, carried an extremely varied cargo: metal ingots, bronze weapons and tools, aromatic resins, fruits and spices, jewelry and beads, African ebony, ivory tusks, ostrich eggs, disks of blue glass ready to be melted down for reuse, and ceramics from the Near East, mainland Greece, and Cyprus. Among the gold objects was a scarab associated with Nefertiti, wife of the Egyptian pharaoh Akhenaten. The cargo suggests that this vessel cruised from port to port along the Aegean and eastern Mediterranean seas, loading and unloading goods as it went. It also suggests that the peoples of Egypt and the ancient Near East were important trading partners.

Probably the thorniest problem in Aegean archaeology is that of dating the finds. In the case of the Ulu Burun wreck, the dating of a piece of freshly cut firewood on the ship to 1306 BCE—using a technique called dendrochronology that analyzes the spaces between growth rings—allowed unusual precision in pinpointing the moment this ship sunk. But archaeologists are not always able to find such easily datable materials. They usually rely on a relative dating system for the Aegean Bronze Age, based largely on pottery. But using it to assign specific dates to sites and objects is complicated and controversial. One cataclysmic event has helped: A huge volcanic explosion on the Cycladic island of Thera, as we have seen, devastated Minoan civilization there and on Crete, only 70 miles to the south. Evidence from tree rings from Ireland and California and traces of volcanic ash in ice cores from Greenland put the date of the eruption about 1650-1625 BCE. Sometimes in this book you will find periods cited without attached dates and in other books you may encounter different dates from those given for objects shown here. You should expect dating to change in the future as our knowledge grows and new techniques of dating emerge.

### THE CYCLADIC ISLANDS

On the Cycladic Islands, late Neolithic and early Bronze Age people developed a thriving culture. They engaged in agriculture, herding, crafts, and trade, using local stone to build fortified towns and hillside burial chambers. Because they left no written records, their artifacts are our principal source of information about them. From about 6000 BCE, Cycladic artists used a coarse, poor-quality local clay to make a variety of ceramic objects, including engaging ceramic figurines of humans and animals, as well as domestic and ceremonial wares. Some 3,000 years later, they began to produce marble sculptures.

The Cyclades, especially the islands of Naxos and Paros, had ample supplies of a fine and durable white marble. Sculptors used this stone to create sleek, abstracted representations of human figures, ranging from a few inches to almost 5 feet tall. They were shaped—perhaps by women—with scrapers made of obsidian and



MAP 4-1 • THE ANCIENT AEGEAN WORLD

The three main cultures in the ancient Aegean were the Cycladic, in the Cyclades; the Minoan, on Thera and Crete; and the Helladic, including the Mycenaean, on mainland Greece but also encompassing the regions that had been the center of the two earlier cultures.

smoothed by polishing stones of emery, both materials easily available on the Cyclades.

These sculptures have been found almost exclusively in graves, and, although there are a few surviving male figures, the overwhelming majority represent nude women and conform to a consistent representational convention (FIG. 4–2). They are presented in extended poses of strict symmetry, with arms folded just under gently protruding breasts, as if they were clutching their abdomens. Necks are long, heads tilted back, and faces are featureless except for a prominent, elongated nose. All body parts are pared down to essentials, and some joints and junctures are indicated with incised lines. The sculptors carefully designed these figures, laying them out with a compass in conformity to three evenly spaced and equally

sized circles—the first delineated by the upper arch of the head and the waist, the second by the sloping shoulders and the line of the knees, and the third beginning with the curving limit of the paired feet and meeting the bottom of the upper circle at the waist.

For us, these elegant, pure stylizations recall the modern work of sculptors like Brancusi (SEE FIG. 31–28), but originally their smooth marble surfaces were enlivened by painted motifs in blue, red, and more rarely green paint, emphasizing their surfaces rather than their three-dimensional shapes. Today, evidence of such painting is extremely faint, but many patterns have been recovered using controlled lighting and microscopic investigation. Unlike the forms themselves, the painted features are often asymmetrical in organization. In the example illustrated here, wide-open eyes

appear on forehead, cheeks, and thigh, as well as on either side of the nose.

Art historians have proposed a variety of explanations for the meaning of these painted motifs. The angled lines on some figures' bodies could bear witness to the way Cycladic peoples decorated their own bodies—whether permanently with tattoos or scarification, or temporarily with body paint, applied either during their lifetimes or to prepare their bodies for burial. The staring eyes, which seem to demand the viewer's return gaze, may have been a way of connecting these sculpted images to those who owned or used them. And eyes on locations other than faces may aim to draw viewers' attention—perhaps even healing powers—to a particular area of the body. Some have associated eyes on bellies with pregnancy.



4-3 • HEAD WITH REMAINS OF PAINTED DECORATION

Cyclades. c. 2500–2200 BCE. Marble and red pigment, height  $9^{11}/_6$ " (24.6 cm). National Museum, Copenhagen. (4697)

Art historian Gail Hoffman has argued that patterns of vertical red lines painted on the faces of some figures (FIG. 4–3) were related to Cycladic rituals of mourning their dead. Perhaps these sculptures were used in relation to a succession of key moments throughout their owners' lifetimes—such as puberty, marriage, and death—and were continually repainted with motifs associated with each ritual, before finally following their owners into their graves at death. Since there is no written evidence from Cycladic culture, it is difficult to be certain, but these sculptures were clearly important to Bronze Age Cycladic peoples and seem to have taken on meaning in relationship to their use.

Although some Cycladic islands retained their distinctive artistic traditions, by the Middle and Later Bronze Age, the art and culture of the Cyclades as a whole was subsumed by Minoan and, later, Mycenaean culture.

### THE MINOAN CIVILIZATION ON CRETE

By 3000 BCE, Bronze Age people were living on Crete, the largest of the Aegean islands, 155 miles long and 36 miles wide. Crete was economically self-sufficient, producing its own grains, olives and other fruits, and cattle and sheep. With many safe harbors and a convenient location, Crete became a wealthy sea power, trading with mainland Greece, Egypt, the Near East, and Anatolia, thus acquiring the ores necessary for producing bronze.

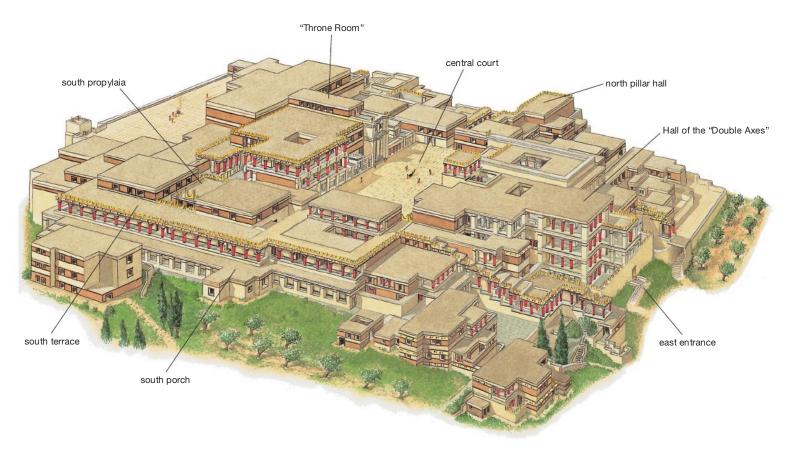
Between about 1900 BCE and 1375 BCE, a distinctive culture flourished on Crete. The British archaeologist Sir Arthur Evans (see "Pioneers of Aegean Archaeology," page 91) named it Minoan after the legend of Minos, a king who had ruled from the capital, Knossos. According to this legend, a half-man, half-bull monster called the Minotaur—son of the wife of King Minos and a bull belonging to the sea god Poseidon—lived at Knossos in a maze called the Labyrinth. To satisfy the Minotaur's appetite for human flesh, King Minos ordered the mainland kingdom of Athens to send a yearly tribute of 14 young men and women, a practice that ended when the Athenian hero Theseus killed the beast.

Minoan chronology is divided into two main periods, the "Old Palace" Period, from about 1900 to 1700 BCE, and the "New Palace" Period, from around 1700 to 1450 BCE.

### THE "OLD PALACE" PERIOD, c. 1900-1700 BCE

Minoan civilization remained very much a mystery until 1900 CE, when Sir Arthur Evans began uncovering the buried ruins of the architectural complex at Knossos, on Crete's north coast, that had been occupied in the Neolithic period, then built over with a succession of Bronze Age structures.

ARCHITECTURAL COMPLEXES. Like nineteenth-century excavators before him, Evans called these great architectural complexes "palaces." He believed they were occupied by a succession of kings. While some scholars continue to believe that



4-4 • RECONSTRUCTION OF THE "PALACE" COMPLEX, KNOSSOS, CRETE

As it would have appeared during the "New Palace" Period. Site occupied 2000–1375 BCE; complex begun in "Old Palace" Period (c. 1900–1700 BCE); complex rebuilt after earthquakes and fires during "New Palace" Period (c. 1700–1450 BCE); final destruction c. 1375 BCE.

SEE MORE: View panoramas of the complex www.myartslab.com

Evans's "palaces" actually were the residences and administrative centers of hereditary rulers, the evidence has suggested to others that Minoan society was not ruled by kings drawn from a royal family, but by a confederation of aristocrats or aristocratic families who established a fluid and evolving power hierarchy. In this light, some scholars interpret these elaborate complexes not primarily as residences, but as sites of periodic religious ceremony or ritual, perhaps enacted by a community that gathered within the courtyards that are their core architectural feature.

The walls of early Minoan buildings were made of rubble and mud bricks faced with cut and finished local stone, our first evidence of **dressed stone** used as a building material in the Aegean. Columns and other interior elements were made of wood. Both in large complexes and in the surrounding towns, timber appears to have been used for framing and bracing walls. Its strength and flexibility would have minimized damage from the earthquakes common to the area. Nevertheless, an earthquake in c. 1700 BCE severely damaged several building sites, including Knossos and Phaistos. Damaged structures were repaired and enlarged, and the resulting new complexes shared a number of features. Multistoried, flat-roofed, and with many columns, they

were designed to maximize light and air, as well as to define access and circulation patterns. Daylight and fresh air entered through staggered levels, open stairwells, and strategically placed air shafts and light-wells (FIG. 4–4).

Courtyards—not audience halls or temples—were the central and most prominent components of these rectangular complexes. Suites of rooms were arranged around them. Corridors and staircases led from courtyard to courtyard, through apartments, ritual areas, and storerooms. Walls were coated with plaster, and some were painted with murals. Floors were plaster, or plaster mixed with pebbles, stone, wood, or beaten earth. The residential quarters had many luxuries: sunlit courtyards or light-wells, richly colored murals, and sophisticated plumbing systems.

Workshops clustered around the complexes formed commercial centers. Storeroom walls were lined with enormous clay jars for oil and wine, and in their floors stone-lined pits from earlier structures had been designed for the storage of grain. The huge scale of the centralized management of foodstuffs became apparent when excavators at Knossos found in a single (although more recent) storeroom enough ceramic jars to hold 20,000 gallons of olive oil.

CERAMIC ARTS. During the Old Palace Period, Minoans developed elegant new types of ceramics, spurred in part by the introduction of the potter's wheel early in the second millennium BCE. One type is called Kamares ware, after the cave on Mount Ida overlooking the architectural complex at Phaistos, in southern Crete, where it was first discovered. The hallmarks of this select ceramic ware—so sought-after that it was exported as far away as Egypt and Syria—were its extreme thinness, its use of color, and its graceful, stylized, painted decoration. An example from about 2000–1900 BCE has a globular body and a "beaked" pouring spout (FIG. 4–5). Created from brown, red, and creamy white pigments on a black body, the bold, curving forms—derived from plant life—that decorate this jug seem to swell with its bulging contours.

METALWORK. Matching Kamares ware in sophistication is early Minoan goldwork. By about 1700 BCE, Aegean metalworkers were producing objects rivaling those of Near Eastern and Egyptian jewelers, whose techniques they may have learned and adopted. For a pendant in gold found at Chryssolakkos (see "Aegean Metalwork,"



**4-5 • KAMARES WARE JUG**Phaistos, Crete. "Old Palace" Period, c. 2000–1900 BCE. Ceramic, height 10<sup>5</sup>4" (27 cm). Archaeological Museum, Iraklion, Crete.

page 87), the artist arched a pair of easily recognizable but geometrically stylized bees (or perhaps wasps) around a honeycomb of gold granules, providing their sleek bodies with a single pair of outspread wings. The pendant hangs from a spiderlike filigree form, with what appear to be long legs encircling a tiny gold ball. Small disks dangle from the ends of the wings and the point where the insects' bodies meet.

#### THE "NEW PALACE" PERIOD, c. 1700-1450 BCE

The early architectural complex at Knossos, erected about 1900 BCE, formed the core of an elaborate new one built after a terrible earthquake shook Crete in c. 1700 BCE. This rebuilding, at Knossos and elsewhere, belonged to the period termed "New Palace" by scholars, many of whom consider it the highest point of Minoan civilization. In its heyday, the Knossos complex covered six acres (SEE FIG. 4–4).

THE LABYRINTH AT KNOSSOS. Because double-axe motifs were used in its architectural decoration, the Knossos "palace" was referred to in later Greek legends as the Labyrinth, meaning the "House of the Double Axes" (Greek *labrys*, "double axe"). The organization of the complex seemed so complicated that the word labyrinth eventually came to mean "maze" and became part of the Minotaur legend.

This complicated layout provided the complex with its own internal security system: a baffling array of doors leading to unfamiliar rooms, stairs, yet more corridors, or even dead ends. Admittance could be denied by blocking corridors, and some rooms were accessible only from upper terraces. Close analysis, however, shows that the builders had laid out a square grid following predetermined principles, and that the apparently confusing layout may partially be the result of earthquake destruction and rebuilding over the centuries.

In typical Minoan fashion, the rebuilt Knossos complex was organized around a large central courtyard. A few steps led from the central courtyard down into the so-called Throne Room to the west, and a great staircase on the east side descended to the Hall of the Double Axes, an unusually grand example of a Minoan hall. (Evans gave the rooms their misleading but romantic names.) This hall and others were supported by the uniquely Minoan-type wooden columns that became standard in Aegean palace architecture. The tree trunks from which the columns were made were inverted so that they tapered toward the bottom. The top, supporting massive roof beams and a broad flattened capital, was wider than the bottom.

Rooms, following earlier tradition, were arranged around a central space rather than along an axis, as we have seen in Egypt and will see in mainland Greece. During the "New Palace" Period, suites functioned as archives, business centers, and residences. Some must also have had a religious function, though the temples, shrines, and elaborate tombs seen in Egypt are not found in Minoan architecture.

# TECHNIQUE | Aegean Metalwork

Aegean artists created exquisite luxury goods from imported gold. Their techniques included lost-wax casting (see "Lost-Wax Casting," page 413), inlay (see page 30), filigree, granulation, repoussé, niello, and gilding.

The early Minoan pendant with a pair of gold bees shown here exemplifies early sophistication in **filigree** (delicate decoration with fine wires) and **granulation** (minute granules or balls of precious metal fused to underlying forms), the latter used to enliven the surfaces and to outline or even create three-dimensional shapes

The Vapheio Cup (SEE FIG. 4–11) and the funerary mask (see "The 'Mask of Agamemnon," page 95) are examples of **repoussé**, in which artists gently pushed up relief forms (perhaps by hammering) from the back of a thin sheet of gold. Experienced goldsmiths may have formed simple designs freehand, or used standard wood forms or punches. For more elaborate decorations they would first have sculpted the entire design in wood or clay and then used this form as a mold for the gold sheet.

The artists who created the Mycenaean dagger blade (FIG. 4–16) not only inlaid one metal into another, but also employed a special technique called **niello**, still a common method of metal decoration. Powdered nigellum—a black alloy of lead, silver, and copper with sulfur—was rubbed into very fine engraved lines in a silver or gold surface, then fused to the surrounding metal with heat. The resulting lines appear as black drawings.

**Gilding**—the application of gold to an object made of some other material—was a technically demanding process by which paper-thin sheets of hammered gold called gold leaf (or, if very thin, **gold foil**) were meticulously affixed to the surface to be gilded. Gold sheets may once have covered the now-bare stone surface of the *Harvester Rhyton* (SEE FIG. 4–8) as well as the lost wooden horns of the *Bull'shead Rhyton* (SEE FIG. 4–9).



PENDANT OF GOLD BEES

Chryssolakkos, near Mallia, Crete. "Old Palace" Period, c. 1700–1550 BCE. Gold, height approx. 113/6" (4.6 cm). Archaeological Museum, Iraklion, Crete.

SEE MORE: View a video about the process of lost-wax casting www.myartslab.com

BULL LEAPING AT KNOSSOS. Minoan painters worked on a large scale, covering entire walls of rooms with geometric borders, views of nature, and scenes of human activity. Murals can be painted on a still-wet plaster surface (**buon fresco**) or a dry one (**fresco secco**). The wet technique binds pigments to the wall, but forces the painter to work very quickly. On a dry wall, the painter need not hurry, but the pigments tend to flake off over time. Minoans used both techniques.

Minoan wall painting displays elegant drawing, and, like Egyptian painters, Minoan painters filled these linear contours with bright and unshaded fields of pure color. They preferred profile or full-faced views, and they turned natural forms into decorative patterns through stylization. One of the most famous and best-preserved paintings of Knossos depicts one of the most prominent subjects in Minoan art: **BULL LEAPING** (FIG. 4–6). The restored panel is one of a group of paintings with bulls as subjects from a room in the east wing of the complex. The action—perhaps representing an initiation or fertility ritual—shows three scantily clad youths around a gigantic dappled bull, which is charging in

the "flying-gallop" pose. The pale-skinned person at the right—her paleness probably identifying her as a woman—is prepared to catch the dark-skinned man in the midst of his leap, and the pale-skinned woman at the left grasps the bull by its horns, perhaps to help steady it, or perhaps preparing to begin her own vault. Framing the action are strips of overlapping shapes, filled with ornament set within striped bands.

THE WOMAN WITH SNAKES. Surviving Minoan sculpture consists mainly of small, finely executed work in wood, ivory, precious metals, stone, and **faience** (colorfully glazed fine ceramic). Female figurines holding serpents are among the most characteristic images and may have been associated with water, regenerative power, and protection of the home.

The **woman or goddess with snakes** is intriguing both as a ritual object and as a work of art **(FIG. 4–7)**. This faience figurine was found with other ceremonial objects in a pit in one of Knossos's storerooms. Bare-breasted, arms extended, and brandishing a snake in each hand, the woman is a commanding





### 4-6 • BULL LEAPING

Wall painting with areas of modern reconstruction, from the palace complex, Knossos, Crete. Late Minoan period, c. 1550–1450 BCE. Height approx.  $241_2''$  (62.3 cm). Archaeological Museum, Iraklion, Crete.

presence. Her shapely figure is dressed in a fitted, open bodice with an apron over a typically Minoan flounced skirt. A wide belt cinches the waist. The red, blue, and green geometric patterning on her clothing reflects the Minoan weavers' preference for bright colors, patterns, and fancy borders. Lifelike elements combine with formal stylization to create a figure that is both lively and dauntingly, almost hypnotically, powerful—a combination that has led scholars to disagree whether statues such as this one represent deities or their human attendants.

**STONE RHYTONS.** Almost certainly of ritual significance are a series of stone **rhytons**—vessels used for pouring liquids—that Minoans carved from steatite (a greenish or brown soapstone).

#### 4-7 • WOMAN OR GODDESS WITH SNAKES

Knossos, Crete. "New Palace" Period, c. 1700–1550 BCE. Faience, height  $11^5 \ell''$  (29.5 cm) as restored. Archaeological Museum, Iraklion, Crete.

This figure has been largely reconstructed from original fragments excavated at Knossos. The head, for instance, is a modern replacement, as is much of the left arm. Whereas the cat that sits on that modern head is authentic, it was not discovered in the same place as the figure. In fact, since there was no head on the "snake" in the figure's right hand, we are not even sure she was holding one.





**4-8 • TWO VIEWS OF THE HARVESTER RHYTON** Hagia Triada, Crete. "New Palace" Period, c. 1650–1450 BCE. Steatite, diameter  $4^1 2^n$  (11.3 cm). Archaeological Museum, Iraklion, Crete.

These have been found in fragments and reconstructed by archaeologists. **THE HARVESTER RHYTON** was a cone-shaped vessel (only the upper part is preserved) barely 4½ inches in diameter **(FIG. 4–8)**. It may have been covered with gold leaf, sheets of hammered gold (see "Aegean Metalwork," page 87).

A rowdy procession of 27 men has been crowded onto its curving surface. The piece is exceptional for the freedom with which the figures occupy three-dimensional space, overlapping and jostling one another instead of marching in orderly, patterned single file across the surface in the manner of some Near Eastern or Egyptian art. The exuberance of this scene is especially notable in the emotions expressed on the men's faces. They march and chant to the beat of a *sistrum*—a rattlelike percussion instrument—elevated in the hands of a man whose wide-open mouth seems to signal singing at the top of his lungs. The men have large, bold features and sinewy bodies so trim we can see their ribs. One man stands

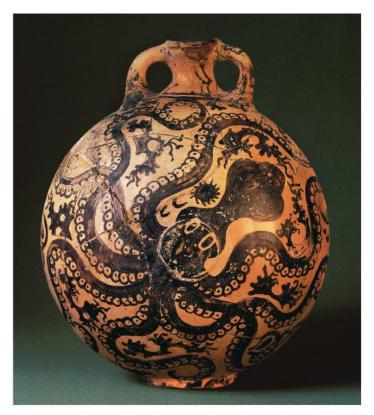
out from the crowd because of his long hair, scale-covered ceremonial cloak, and commanding staff. Is he the leader of this enthusiastic band, or is he following along behind them? Archaeologists have proposed a variety of interpretations for the scene—a spring planting or fall harvest festival, a religious procession, a dance, a crowd of warriors, or a gang of forced laborers.

As we have seen, bulls are a recurrent theme in Minoan art, and rhytons were also made in the form of a bull's head (FIG. 4–9). The sculptor carved this one from a block of greenish-black steatite to create an image that approaches animal portraiture. Lightly engraved lines, filled with white powder to make them visible, enliven the animal's coat: short, curly hair on top of the head; longer, shaggy strands on the sides; and circular patterns along the neck suggest its dappled coloring. White bands of shell outline the nostrils, and painted rock crystal and red jasper form the eyes. The horns (here restored) were made of wood covered with gold leaf. This rhyton was filled with liquid from a hole in the bull's neck, and during ritual libations, fluid flowed out from its mouth.



4-9 • BULL'S-HEAD RHYTON

Knossos, Crete. "New Palace" Period, c. 1550–1450 BCE. Steatite with shell, rock crystal, and red jasper; the gilt-wood horns are restorations, height 12" (30.5 cm). Archaeological Museum, Iraklion, Crete.



4-10 • OCTOPUS FLASK

Palaikastro, Crete. "New Palace" Period, c. 1500–1450 BCE. Marine style ceramic, height 11" (28 cm). Archaeological Museum, Iraklion, Crete.

CERAMIC ARTS. The ceramic arts, so splendidly realized early on in Kamares ware, continued throughout the "New Palace" Period. Some of the most striking ceramics were done in what is called the "Marine style," because of the depictions of sea life on their surfaces. In a stoppered bottle of this style known as the **OCTOPUS FLASK**, made about 1500–1450 BCE (FIG. 4–10), the painter



4-11 • VAPHEIO CUP

Found near Sparta, Greece. c. 1650–1450 BCE. Gold, height  $41_2'''$  (10.8 cm). Archaeological Museum, Iraklion, Crete.

created a dynamic arrangement of marine life, in seeming celebration of Minoan maritime prowess. Like microscopic life teeming in a drop of pond water, sea creatures float around an octopus's tangled tentacles. The decoration on the Kamares ware jug (SEE FIG. 4–5) had reinforced the solidity of its surface, but here the pottery skin seems to dissolve. The painter captured the grace and energy of natural forms while presenting them as a stylized design in calculated harmony with the vessel's bulging shape.

METALWORK. About 1450 BCE, a conquering people from mainland Greece, known as Mycenaeans, arrived in Crete. They occupied the buildings at Knossos and elsewhere until a final catastrophe and the destruction of Knossos about 1375 BCE caused them to abandon the site. But by 1400 BCE, the center of political and cultural power in the Aegean had shifted to mainland Greece.

The skills of Minoan artists, particularly metalsmiths, made them highly sought after on the mainland. A pair of magnificent gold cups found in a large tomb at Vapheio, on the Greek mainland south of Sparta, were made sometime between 1650 and 1450 BCE, either by Minoan artists or by locals trained in Minoan style and techniques. One side of one cup is shown here (FIG. 4-11). The relief designs were executed in repoussé—the technique of pushing up the metal from the back of the sheet. The handles were attached with rivets, and the cup was then lined with sheet gold. In the scenes circling the cups, men are depicted trying to capture bulls in various ways. Here, a scantily clad man has roped a bull's hind leg. The figures dominate the landscape and bulge from the surface with a muscular vitality that belies the cup's small size—it is only 4½ inches tall. The depiction of olive trees could indicate that the scene is set in a sacred grove. Could the cups illustrate exploits in some long-lost heroic tale, or are they commonplace herding scenes?

WALL PAINTING AT AKROTIRI ON THERA. Minoan cultural

influences seem to have spread to both the Cyclades and mainland Greece. Thera, for example, was so heavily under Crete's influence in the "New Palace" Period that it was a veritable outpost of Minoan culture. A girl picking crocuses in a fresco in a house at Akrotiri (SEE FIG. 4–1) wears the typically colorful Minoan flounced skirt with a short-sleeved, openbreasted bodice, large earrings, and bracelets (SEE FIG. 4–7). This wall painting demonstrates the sophisticated decorative sense found in Minoan art, both in color selection and in surface detail. The room in which this painting appears seems to have been dedicated to young women's coming-of-age ceremonies, and its frescos provide the visual context for ritual activity, just like the courtyard of the architectural complexes in Crete.

In another Akrotiri house, an artist has created an imaginative landscape of hills, rocks, and flowers (FIG. 4–12), the first pure landscape painting we have encountered in ancient art. A viewer standing in the center of the room is surrounded by orange, rose, and

# RECOVERING THE PAST | Pioneers of Aegean Archaeology

Some see Heinrich Schliemann (1822-1890) as the founder of the modern study of Aegean civilization. Schliemann was the son of an impoverished German minister and a largely self-educated polyglot. He worked hard, grew rich, and retired in 1863 to pursue his lifelong dream of becoming an archaeologist, inspired by the Greek poet Homer's epic tales, the Iliad and the Odyssey. In 1869, he began conducting fieldwork in Greece and Turkey. Scholars of that time considered Homer's stories pure fiction, but by studying the descriptions of geography in the Iliad, Schliemann located a multilayered site at Hissarlik, in present-day Turkey, whose sixth level up from the bedrock is now generally accepted as the closest chronological approximation of Homer's Troy. After his success in Anatolia, Schliemann pursued his hunch that the grave sites of Homer's Greek royal family would be found inside the citadel at Mycenae. But the graves he found were too early to contain the bodies of Atreus, Agamemnon, and their relatives - a fact only known through recent scholarship, after Schliemann's death.

The uncovering of what he considered the palace of the legendary King Minos fell to a British archaeologist, Sir Arthur Evans

(1851–1941), who led the excavation at Knossos between 1900 and 1905. Evans gave the name Minoan—after legendary King Minos—to Bronze Age culture on Crete. He also made a first attempt to establish an absolute chronology for Minoan art, basing his conjectures on datable Egyptian artifacts found in the ruins on Crete and on Minoan artifacts found in Egypt. Later scholars have revised and refined both his dating and his interpretations of what he found at Knossos.

Evans was not the only pioneering archaeologist drawn to excavate on Crete. Boston-born Harriet Boyd Hawes (1871–1945), after graduating from Smith College in 1892 with a major in Classics and after a subsequent year of post-graduate study in Athens, traveled to Crete to find a site where she could begin a career in archaeology. She was in Knossos in 1900 to observe Evans's early work and was soon supervising her own excavations, first at Kavousi, and then at Gournia, where she directed work from 1901 until 1904. She is famous for the timely and thorough publication of her findings, accomplished while she was not only supervising these Bronze Age digs, but also pursuing her career as a beloved teacher of the liberal arts, first at Smith and later at Wellesley College.



4-12 • LANDSCAPE ("SPRING FRESCO")

Wall painting with areas of modern reconstruction, from Akrotiri, Thera, Cyclades. Before 1630 BCE. National Archaeological Museum, Athens.



# A CLOSER LOOK

### The "Flotilla Fresco" from Akrotiri >

from Room 5 of West House, Akrotiri, Thera. "New Palace" Period. c. 1650 BCE. National Archaeological Museum, Athens.

The depiction of lions chasing deer, signifying heroism, has a long history in Aegean art.

This smaller vessel, with five oarsmen and a helmsman, could depict a local dignitary, seated behind the helmsman, seeing off the fleet as it departs from port. The important figure seated behind the helmsman on each vessel carries a long black spear. Since the red lines above the figures in the main cabins are also spears, the passengers are warriors, either departing for or returning from battle.



SEE MORE: View the Closer Look feature for the "Flotilla Fresco" from Akrotiri www.myartslab.com

blue rocky hillocks sprouting oversized deep red lilies. Swallows, sketched by a few deft lines, swoop above and around the flowers. The artist unifies the rhythmic flow of the undulating landscape, the stylized patterning imposed on the natural forms, and the decorative use of bright colors alternating with darker, neutral tones, which were perhaps meant to represent areas of shadow. The colors may seem fanciful to us, but sailors today who know the area well attest to their accuracy, suggesting that these artists recorded the actual colors of Thera's wet rocks in the sunshine, a zestful celebration of the natural world. How different this is from the cool, stable elegance of Egyptian wall painting!

The impact of Mycenaean culture is evident as well in Thera and is especially notable in the martial flavor of a long strip of wall painting known as the "Flotilla Fresco" (see "A Closer Look," above). The "Flotilla Fresco" appeared along the tops of the walls in the room of a house in Akrotiri comparable to that which contained the fresco of the girl gathering crocuses.

## THE MYCENAEAN (HELLADIC) CULTURE

Archaeologists use the term *Helladic* (from *Hellas*, the Greek name for Greece) to designate the Aegean Bronze Age on mainland Greece. The Helladic period extends from about 3000 to 1000 BCE, concurrent with Cycladic and Minoan cultures. In the early part of the Aegean Bronze Age, Greek-speaking peoples, probably from the northwest, moved onto the mainland. They brought with them advanced techniques for metalworking, ceramics, and architectural design, and they displaced the local Neolithic culture. Later in the Aegean Bronze Age, the people of the mainland city of Mycenae rose to power and extended their influence into the Aegean islands as well.

### HELLADIC ARCHITECTURE

Mycenaean architecture developed in distinct ways from that of the Minoans. Mycenaeans built fortified strongholds called citadels Each of the seven vessels of the fleet on this fresco (only four can be seen in this partial view) is unique, differing in size, decoration (this one has lions painted on its side), and rigging.

Note the difference between the surviving fragments of the original fresco and the modern infill in this restored presentation of a dolphin swimming alongside the ships.

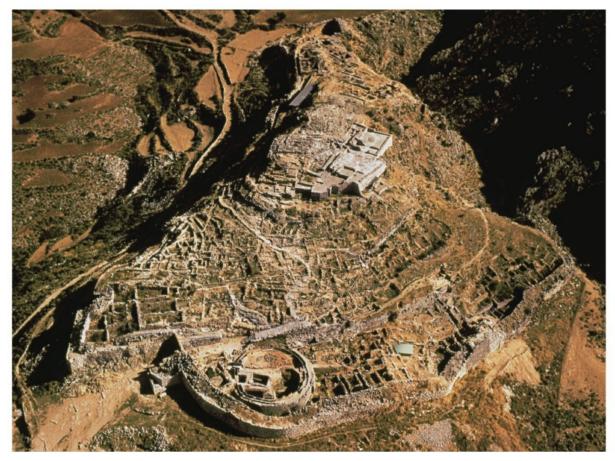


to protect the palaces of their rulers. These palaces contained a characteristic main or great room called a **megaron** that was axial in plan. The Mycenaeans also buried their dead in magnificent vaulted tombs, round in floor plan and crafted of cut stone.

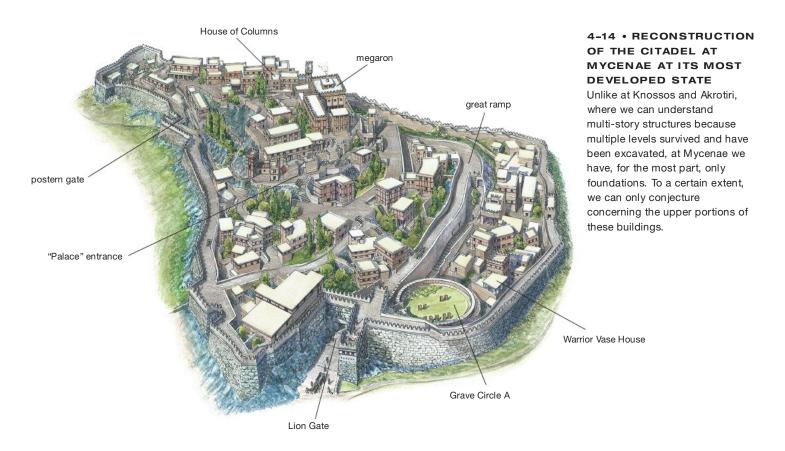
MYCENAE. Later Greek writers called the walled complex of Mycenae (FIGS. 4–13, 4–14) the home of Agamemnon, legendary Greek king and leader of the Greek army that conquered the great city of Troy, as described in Homer's epic poem, the *Iliad*. The site was occupied from the Neolithic period to around 1050 BCE. Even today, the monumental gateway to the citadel at Mycenae is an impressive reminder of the importance of the city. The walls were rebuilt three times—c. 1340 BCE, c. 1250 BCE, and c. 1200 BCE—each time stronger than the last and enclosing more space. The second wall, of c. 1250 BCE, enclosed the grave circle and was pierced by two gates, the monumental "Lion Gate" (see pages 96–97) on the west and a smaller secondary, rear gate on the northeast side. The final

walls were extended about 1200 BCE to protect the water supply, an underground cistern. These walls were about 25 feet thick and nearly 30 feet high. The drywall masonry is known as **cyclopean**, because it was believed that only the enormous Cyclops (legendary one-eyed giants) could have moved such massive stones.

As in Near Eastern citadels, the Lion Gate was provided with guardian figures, which stand above the door rather than to the sides in the door jambs. From this gate, the Great Ramp led up the hillside, past the grave circle, to the courtyard for the building occupying the highest point in the center of the city, which may have been the residence of a ruler. From the courtyard one entered a porch, a vestibule, and finally the megaron, which seems to be the intended destination, in contrast to Minoan complexes where the courtyard itself seems to be the destination. A typical megaron had a central hearth surrounded by four large columns that supported the ceiling. The roof above the hearth was probably raised to admit light and air and permit smoke to escape (SEE FIG. 4–15). Some

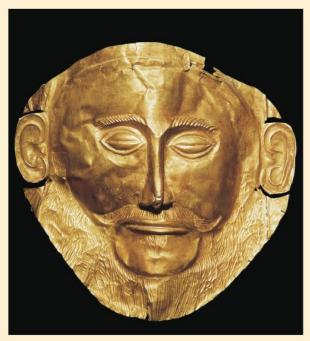


**4-13 • CITADEL AT MYCENAE**Greece. Aerial view. Site occupied c. 1600–1200 BCE; walls built c. 1340, 1250, 1200 BCE, creating a progressively larger enclosure.

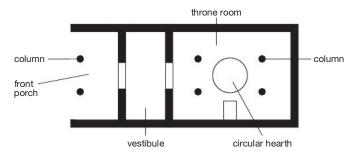


# RECOVERING THE PAST | The "Mask of Agamemnon"

One of Heinrich Schliemann's most amazing and famous discoveries in the shaft graves in Mycenae was a solid gold mask placed over the face of a body he claimed was the legendary Agamemnon, uncovered on November 30, 1876. But Schliemann's identification of the mask with this king of Homeric legend has been disproven, and even the authenticity of the mask itself has been called into question over the last 30 years. Doubts are rooted in a series of stylistic features that separate this mask from the other four excavated by Schliemann in Grave Circle A-the treatment of the eyes and eyebrows, the cut-out separation of the ears from the flap of gold around the face, and most strikingly the beard and handlebar mustache that have suspicious parallels with nineteenth-century fashion in facial hair. Suspicions founded on such anomalies are reinforced by Schliemann's own history of deceit and embellishment when characterizing his life and discoveries, not to mention his freewheeling excavation practices, when judged against current archaeological standards. Some specialists have claimed a middle ground between genuine or fake for the mask, suggesting that the artifact itself may be authentic, but that Schliemann quickly subjected it to an overzealous restoration to make the face of "Agamemnon" seem more heroic and noble -at least to viewers in his own day -than the faces of the four other Mycenaean funerary masks. The resolution of this question awaits a full scientific study to determine the nature of the alloy (gold was regularly mixed with small amounts of other metals to make it stronger) from which this mask was made, as well as a microscopic analysis of its technique and the appearance of its surface.



"MASK OF AGAMEMNON"
Funerary mask, from Shaft Grave v, Grave Circle A, Mycenae, Greece. c. 1600–1550 BCE. Gold, height approx. 12" (35 cm).
National Archaeological Museum, Athens.



**4-15 • PYLOS PALACE: PLAN OF THE MEGARON** c. 1300–1200 BCE.

architectural historians think that the megaron eventually came to be associated with royalty. The later Greeks adapted its form when building temples, which they saw as earthly palaces for their gods.

PYLOS. The rulers of Mycenae fortified their city, but the people of Pylos, in the extreme southwest of the Peloponnese, perhaps felt that their more remote and defensible location made them less vulnerable to attack. This seems not to have been the case, for within a century of its construction in c. 1340 BCE, the palace at Pylos was destroyed by fires, apparently set during the violent upheavals that brought about the collapse of Mycenae itself.

The architectural complex at Pylos was built on a raised site without fortifications, and it was organized around a special area

that included an archive, storerooms, workshops, and a megaron for communal gatherings that focused on feasting (FIG. 4–15). Set behind a porch and vestibule facing the courtyard, the Pylos megaron was a magnificent display of architectural and decorative skill. Every inch was painted—floors, ceilings, beams, and door frames with brightly colored abstract designs, and walls with paintings of large mythical animals and highly stylized plant and landscape forms. The floor was finished with plaster painted with imitations of stone and tile patterns. There was a spot in the megaron where priests and priestesses poured libations to a deity from a ceremonial rhyton, fostering communication between the people of Pylos and their god(s).

Clay tablets found in the ruins of the palace include an inventory of its elegant furnishings. The listing on one tablet reads: "One ebony chair with golden back decorated with birds; and a footstool decorated with ivory pomegranates. One ebony chair with ivory back carved with a pair of finials and with a man's figure and heifers; one footstool, ebony inlaid with ivory and pomegranates."

### MYCENAEAN TOMBS

SHAFT GRAVES. Tombs were given much greater prominence in the Helladic culture of the mainland than they were by the Minoans, and ultimately they became the most architecturally sophisticated monuments of the entire Aegean Bronze Age. The



# THE OBJECT SPEAKS

### The Lion Gate

One of the most imposing survivals from the Helladic Age is the gate to the city of Mycenae. The gate is today a simple opening, but its importance is indicated by the very material of the flanking walls, a conglomerate stone that can be polished to glistening multicolors. A corbelled relieving arch above the lintel forms a triangle filled with a limestone panel bearing a grand heraldic composition—guardian beasts flanking a single Minoan column that swells upward to a large, bulbous capital.

The archival photograph (Fig. A) shows a group posing jauntily outside the gate. Visible is Heinrich Schliemann (standing at

the left of the gate) and his wife and partner in archeology, Sophia (sitting at the right). Schliemann had already "discovered" Troy, and when he turned his attention to Mycenae in 1876, he unearthed graves containing rich treasures, including gold masks. The grave circle he excavated lay just inside the Lion Gate (SEE FIG. 4–14).

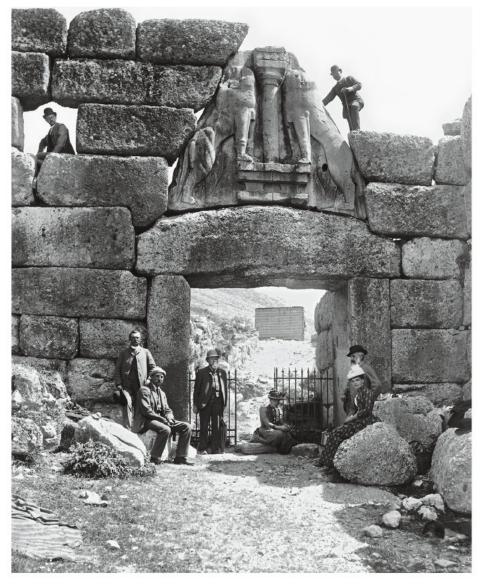
The Lion Gate has been the subject of much speculation in recent years. What are the animals? What does the architectural feature mean? How is the imagery to be interpreted? The beasts supporting and defending the column are magnificent, supple creatures rearing up on hind legs.

They once must have faced the visitor, but today only the attachment holes indicate the presence of their heads.

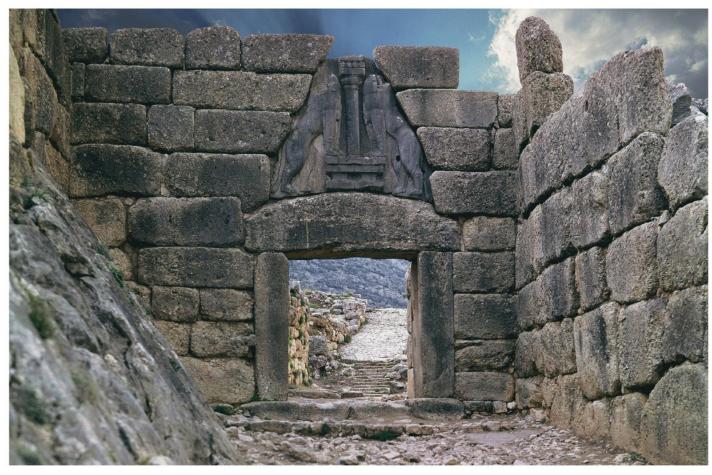
What were they—lions or lionesses? One scholar points out that since the beasts have neither teats nor penises, it is impossible to say. The beasts do not even have to be felines. They could have had eagle heads, which would make them griffins, in which case should they not also have wings? They could have had human heads, and that would turn them into sphinxes. Pausanias, a Greek traveler who visited Mycenae in the second century CE, described a gate guarded by lions. Did he see the now missing heads? Did the "object" not only speak, but roar?

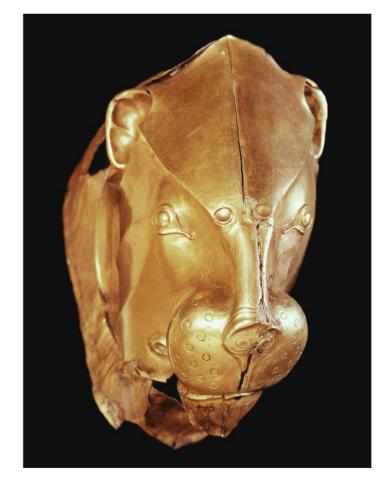
Mixed-media sculpture—ivory and gold, marble and wood—was common. One could imagine that if the creatures had the heads of lions, the heads might have resembled the gold rhyton in the form of a lion that Schliemann excavated from a nearby shaft grave (FIG. c). Such heads would have gleamed and glowered out at the visitor. And if the stone sculpture was painted, as most was, the gold would not have seemed out of place.

A metaphor for power, the lions rest their feet on Mycenaean altars. Between them stands the mysterious column, also on an altar base. What does this composition mean? Scholars do not agree. Is it a temple? A palace? The entire city? Or the god of the place? The column and capital support a lintel or architrave, which in turn supports the butt ends of logs forming rafters of the horizontal roof, so the most likely theory is that the structure is the symbol of a palace or a temple. But some scholars suggest that by extension it becomes the symbol of a king or a deity. If so, the imagery of the Lion Gate, with its combination of guardian beasts and divine or royal palace, signifies the legitimate power of the ruler of Mycenae.



A. LION GATE, MYCENAE c. 1250 BCE. Historic photo.





# B. LION GATE, MYCENAE, AS IT APPEARS TODAY

c. 1250 BCE. Limestone relief, height of sculpture approx.  $9^{\prime}6^{\prime\prime}$  (2.9 m).

C. GOLDEN LION'S HEAD RHYTON

From Shaft Grave iv, Grave Circle A, south of Lion Gate, Mycenae. 16th century BCE.
National Archaeological Museum, Athens.



# 4-16 • DAGGER BLADE WITH LION HUNT

Shaft Grave iv, Grave Circle A, Mycenae, Greece. c. 1550–1500 BCE. Bronze inlaid with gold, silver, and niello, length 93 &" (23.8 cm). National Archaeological Museum, Athens.

earliest burials were in **shaft graves**, vertical pits 20 to 25 feet deep. In Mycenae, the graves of important people were enclosed in a circle of standing stone slabs. In these graves, the ruling families laid out their dead in opulent dress and jewelry and surrounded them with ceremonial weapons (SEE FIG. 4–16), gold and silver wares, and other articles indicative of their status, wealth, and power.

Among the 30 pounds of gold objects archaeologist Heinrich Schliemann found in the shaft graves of Mycenae were five funerary masks, and he identified one of these golden treasures as the face of Agamemnon, commander-in-chief of the Greek forces in Homer's account of the Tro jan War (see "the 'Mask of Agamemnon," page 95). We now know this mask has nothing to do with the heroes of the Tro jan War since the Mycenae graves are about 300 years older than Schliemann believed, and the burial practices they display were different from those described by Homer.

Also found in these shaft graves were a gold lion's-head rhyton (see page 97, FIG. C) and a bronze **DAGGER BLADE** (FIG. 4–16) decorated with inlaid scenes, further attesting to the wealth of the Mycenaean ruling elite. To form the decoration of daggers like

this, Mycenaean artists cut shapes out of different-colored metals (copper, silver, and gold), inlaid them in the bronze blade, and then added fine details in niello (see "Aegean Metalwork," page 87). In Homer's *Iliad*, the poet describes similar decoration on Agamemnon's armor and Achilles' shield. The blade shown here depicts a lion attacking a deer, with four more terrified animals in full flight. Like the bull in the Minoan fresco (SEE FIG. 4–6), the animals spring forward in the "flying-gallop" pose to indicate speed and energy.

THOLOS TOMBS. By about 1600 BCE, members of the elite class on the mainland had begun building large above-ground burial places commonly referred to as **tholos tombs** (popularly known as **beehive tombs** because of their rounded, conical shape). More than a hundred such tombs have been found, nine of them in the vicinity of Mycenae. Possibly the most impressive is the so-called **TREASURY OF ATREUS** (FIGS. 4–17, 4–18), which dates from about 1300 to 1200 BCE.

A walled passageway through the earthen mound covering the tomb, about 114 feet long and 20 feet wide and open to the sky, led to the entrance, which was 34 feet high, with a door 16½ feet high, faced with bronze plaques. On either side of the entrance were upward-tapering columns carved from green serpentine porphyry, a kind of rock found near Sparta, and incised with decoration. The section above the lintel had smaller engaged



4-18 • EXTERIOR VIEW OF THOLOS, THE SO-CALLED TREASURY OF ATREUS Mycenae, Greece. c. 1300–1200 BCE.

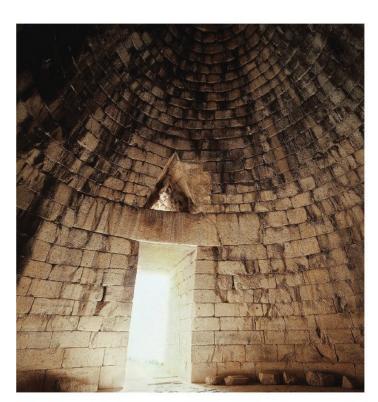
SEE MORE: Click the Google Earth link for the Treasury of Atreus www.myartslab.com



columns on each side, and the relieving triangle was disguised behind a red-and-green engraved marble panel. The main tomb chamber (FIG. 4–19) is a circular room 47½ feet in diameter and 43 feet high. It is roofed with a **corbel vault** built up in regular **courses**, or layers, of **ashlar**—precisely cut blocks of stone—smoothly leaning inward and carefully calculated to meet in a single **capstone** (topmost stone that joins sides and completes structure) at the peak. Covered with earth, the tomb became a conical hill. It was a remarkable engineering feat.

#### CERAMIC ARTS

In the final phase of the Helladic Bronze Age, Mycenaean potters created highly refined ceramics. A large **krater**—a bowl for mixing water and wine, used both in feasts and as grave markers—is an example of the technically superior wares being produced on the Greek mainland between 1300 and 1100 BCE. Decorations could be highly stylized, like the scene of marching men on the **WARRIOR KRATER** (FIG. 4–20). On the side shown here, a woman at the far left bids farewell to a group of helmeted men marching off to the right, with lances and large shields. The vibrant energy of the *Harvester Rhyton* or the *Vapheio Cup* has changed to the regular rhythm inspired by the tramping feet of disciplined warriors. The only indication of the woman's emotions is the gesture of an arm raised to her head, a symbol of mourning. The men are seemingly interchangeable parts in a rigidly disciplined war machine.



4-19 • CORBEL VAULT, INTERIOR OF THOLOS, THE SO-CALLED TREASURY OF ATREUS

Limestone vault, height approx. 43' (13 m), diameter 47'6" (14.48 m).

SEE MORE: View a simulation of the corbel vault www.myartslab.com



4-20 • WARRIOR KRATER

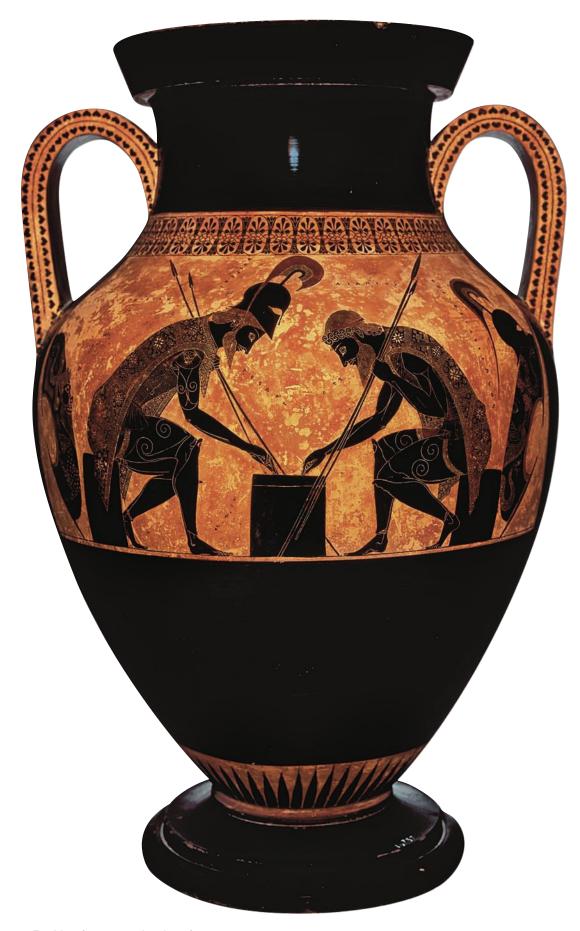
Mycenae, Greece. c. 1300–1100 BCE. Ceramic, height 16" (41 cm). National Archaelogical Museum, Athens.

The succeeding centuries, between about 1100 and 900 BCE, were a time of transformation in the Aegean, marked by less political, economic, and artistic complexity and control. A new culture was forming, one that looked back upon the exploits of the Helladic warrior-kings as the glories of a heroic age, while setting the stage for a new Greek civilization.

### THINK ABOUT IT

- 4.1 Choose a picture or sculpture of a human figure from two of the ancient Aegean cultures examined in this chapter. Characterize how the artist represents the human form and how that representation is related to the cultural significance of the works in their original context.
- 4.2 Assess the methods of two archaeologists whose work is discussed in this chapter. How have they recovered, reconstructed, and interpreted the material culture of the Bronze Age Aegean?
- 4.3 Compare the plans of the architectural complexes at Knossos and Mycenae. How have the arrangements of the buildings aided archaeologists in speculating on the way these complexes were used?
- 4.4 What explanations have art historians proposed for the use and cultural significance of the elegant figures of women that have been excavated in the Cyclades?
- 4.5 Select two metal objects from this chapter and explain how they were made. What aspects of the processes and details in the objects signal that these Bronze Age artists worked to a high level of technical sophistication?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**5-1 • Exekias (potter and painter)** AJAX AND ACHILLES PLAYING A GAME c. 540–530 BCE. Black-figure painting on a ceramic amphora, height of amphora 2' (61 cm). Vatican Museums, Rome.

SEE MORE: View a video about the process of ceramics www.myartslab.com

# ART OF ANCIENT GREECE

This elegantly contoured amphora was conceived and created to be more than the all-purpose storage jar signaled by its shape, substance, and size (Fig. 5-1). A strip around the belly of its bulging form was reserved by Exekias-the mid-sixth-century BCE Athenian artist who signed it proudly as both potter and painter-for the presentation of a narrative episode from the Trojan War, one of the signal stories of the ancient Greeks' mythical conception of their past. Two heroic warriors, Achilles and Ajax, sit across from each other, supporting themselves on their spears as they lean in toward the block between them that serves as a makeshift board for their game of dice. Ajax, to the right, calls out "three"—the spoken word written out diagonally on the surface as if issuing from his mouth. Achilles counters with "four," the winning number, his victory presaged by the visual prominence of the boldly silhouetted helmet perched on his head. (Ajax's headgear has been set casually aside on his shield, leaning behind him.) Ancient Greek viewers, however, would have perceived the tragic irony of Achilles' victory. When these two warriors returned from this playful diversion into the serious contest of battle, Achilles would be killed. Soon afterwards, the grieving Ajax would take his own life in despair.

The poignant narrative encounter portrayed on this amphora is also a masterful compositional design. Crisscrossing diagonals and compressed overlapping of spears, bodies, and table describe spatial complexity as well as surface pattern. The varying textures of hair, armor and clothing are dazzlingly evoked by the alternation between expanses of unarticulated surface and the finely incised lines of dense pattern. Careful contours convey a sense of three-dimensional human form. And the arrangement coordinates with the very shape of the vessel itself, its curving outline matched by the warriors' bending backs, the line of its handles continued in the tilt of the leaning shields.

There is no hint here of gods or kings. Focus rests on the private diversions of heroic warriors as well as on the identity and personal style of the artist who portrayed them. Supremely self-aware and self-confident, the ancient Greeks developed a concept of human supremacy and responsibility that required a new visual expression. Their art was centered in the material world, but it also conformed to strict ideals of beauty and mathematical concepts of design, paralleling the Greek philosophers' search for the human values of truth, virtue, and harmony, qualities that imbue both subject and style in this celebrated work.

### **LEARN ABOUT IT**

- 5.1 Trace the emergence of a distinctive style and approach to art and architecture during the early centuries of Greek civilization.
- **5.2** Compare and contrast the black-figure and red-figure techniques of ceramic painting.
- **5.3** Assess the differences between the three order systems used in temple architecture.
- **5.4** Explore the nature and meaning of the High Classical style in ancient Greek art.
- **5.5** Discover the ways Hellenistic sculptors departed from the norms of High Classicism.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

# THE EMERGENCE OF GREEK CIVILIZATION

Ancient Greece was a mountainous land of spectacular natural beauty. Olive trees and grapevines grew on the steep hillsides, producing oil and wine, but there was little good farmland. In towns, skilled artisans produced metal and ceramic wares to trade abroad for grain and raw materials. Greek merchant ships carried pots, olive oil, and bronzes from Athens, Corinth, and Aegina around the Mediterranean Sea, extending the Greek cultural orbit from mainland Greece south to the Peloponnee, north to Macedonia, and east to the Aegean islands and the coast of Asia Minor (MAP 5–1). Greek colonies in Italy, Sicily, and Asia Minor rapidly became powerful independent commercial and cultural centers themselves, but they remained tied to the homeland by common language, heritage, religion, and art.

Within a remarkably brief time, Greek artists developed focused and distinctive ideals of human beauty and architectural design that continue to exert a profound influence today. From about 900 BCE until about 100 BCE, they concentrated on a new, rather narrow range of subjects and produced an impressive body of work with focused stylistic aspirations in a variety of media. Greek artists were restless. They continually sought to change and improve existing artistic trends and fashions, effecting striking stylistic change over the course of a few centuries. This is in stark contrast to the situation we discovered in ancient Egypt, where a desire for permanence and continuity maintained stable artistic conventions for nearly 3,000 years.

#### HISTORICAL BACKGROUND

In the ninth and eighth centuries BCE, long after Mycenaean dominance in the Aegean had come to an end, the Greeks began to form independently governed city-states. Each city-state was an autonomous region with a city—Athens, Corinth, Sparta—as its political, economic, religious, and cultural center. Each had its own form of government and economy, and each managed its own domestic and foreign affairs. The power of these city-states initially depended at least as much on their manufacturing and commercial skills as on their military might.

Among the emerging city-states, Corinth, located on major land and sea trade routes, was one of the oldest and most powerful. By the sixth century BCE, Athens rose to commercial and cultural preeminence. Soon it had also established a representative government in which every community had its own assembly and magistrates. All citizens participated in the assembly and all had an equal right to own private property, to exercise freedom of speech, to vote and hold public office, and to serve in the army or navy. Citizenship, however, was open only to Athenian men. The census of 309 BCE in Athens listed 21,000 citizens, 10,000 foreign residents, and 400,000 others—that is, women, children, and slaves.

#### **RELIGIOUS BELIEFS AND SACRED PLACES**

According to ancient Greek legend, the creation of the world involved a battle between the earth gods, called Titans, and the sky gods. The victors were the sky gods, whose home was believed to be atop Mount Olympos in the northeast corner of the Greek mainland. The Greeks saw their gods as immortal and endowed with supernatural powers, but more than peoples of the ancient Near East and the Egyptians, they also visualized them in human form and attributed to them human weaknesses and emotions. Among the most important deities were the supreme god and goddess, Zeus and Hera, and their offspring (see "Greek and Roman Deities," page 104).

Many sites throughout Greece, called **sanctuaries**, were thought to be sacred to one or more gods. The earliest sanctuaries included outdoor altars or shrines and a sacred natural element such as a tree, a rock, or a spring. As more buildings were added, a sanctuary might become a palatial home for the gods, with one or more temples, several treasuries for storing valuable offerings, various monuments and statues, housing for priests and visitors, an outdoor dance floor or permanent theater for ritual performances and literary competitions, and a stadium for athletic events. The Sanctuary of Zeus near Olympia, in the western Peloponnese, housed an extensive athletic facility with training rooms and arenas for track-and-field events. It was here that athletic competitions, prototypes of today's Olympic Games, were held.

Greek sanctuaries (SEE FIGS. 5–5, 5–6) are quite different from the religious complexes of the ancient Egyptians (see, for example, the Temple of Amun at Karnak, FIG. 3–18). Egyptian builders dramatized the power of gods or god-rulers by organizing their temples along straight, processional ways. The Greeks, in contrast, treated each building and monument as an independent element to be integrated with the natural features of the site, in an irregular arrangement that emphasized the exterior of each building as a discrete sculptural form on display.

### GREEK ART c. 900-c. 600 BCE

Around the mid eleventh century BCE, a new culture began to form on the Greek mainland. Athens began to develop as a major center of ceramic production, creating both sculpture and vessels decorated with organized abstract designs. In this Geometric period, the Greeks, as we now call them, were beginning to create their own architectural forms and were trading actively with their neighbors to the east. By c. 700 BCE, in a phase called the Orientalizing period, they began to incorporate exotic foreign motifs into their native art.

### THE GEOMETRIC PERIOD

What we call the Geometric period flourished in Greece between 900 and 700 BCE, especially in the decoration of ceramic vessels with linear motifs, such as spirals, diamonds, and cross-hatching. This abstract vocabulary is strikingly different from the stylized



MAP 5-1 • ANCIENT GREECE

The cultural heartland of ancient Greece consisted of the Greek mainland, the islands of the Aegean, and the west coast of Asian Minor, but colonies on the Italic peninsula and the island of Sicily extended Greek cultural influence further west into the Mediterranean.

plants, birds, and sea creatures that had characterized Minoan pots (SEE FIGS. 4–5, 4–10).

Large funerary vessels were developed at this time for use as grave markers, many of which have been uncovered at the ancient cemetery of Athens just outside the Dipylon Gate, once the main western entrance into the city. The krater illustrated here (FIG. 5–2) provides a detailed pictorial record of funerary rituals—including the relatively new Greek practice of cremation—associated with the important person whose death is commemorated by this work. On the top register, the body of the deceased is depicted laying on its side atop a funeral bier, about to be cremated. Male and female

### **5-2 • FUNERARY KRATER**

From the Dipylon Cemetery, Athens. c. 750–700 BCE. Attributed to the Hirschfeld Workshop. Ceramic, height  $42^5 \ell''$  (108 cm). Metropolitan Museum of Art, New York. Rogers Fund, 1914 (14.130.14)





# ART AND ITS CONTEXTS

### Greek and Roman Deities

(The Roman form of the name is given after the Greek name.)

#### THE FIVE CHILDREN OF EARTH AND SKY

**Zeus** (Jupiter), supreme Olympian deity. Mature, bearded man, often holding scepter or lightning bolt; sometimes represented as an eagle. **Hera** (Juno), goddess of marriage. Sister/wife of Zeus. Mature woman; cow and peacock are sacred to her.

**Hestia** (Vesta), goddess of the hearth. Sister of Zeus. Her sacred flame burned in communal hearths.

**Poseidon** (Neptune), god of the sea. Holds a three-pronged spear. **Hades** (Pluto), god of the underworld, the dead, and wealth.

### THE SEVEN SKY GODS, OFFSPRING OF THE FIRST FIVE

Ares (Mars), god of war. Son of Zeus and Hera.

**Hephaistos** (Vulcan), god of the forge, fire, and metal handicrafts. Son of Hera (in some myths, also of Zeus); husband of Aphrodite.

**Apollo** (Phoebus), god of the sun, light, truth, music, archery, and healing. Sometimes identified with Helios (the Sun), who rides a chariot across the daytime sky. Son of Zeus and Leto (a descendant of Earth); brother of Artemis.

**Artemis** (Diana), goddess of the hunt, wild animals, and the moon. Sometimes identified with Selene (the Moon), who rides a chariot or oxcart across the night sky. Daughter of Zeus and Leto; sister of Apollo. Carries bow and arrows and is accompanied by hunting dogs.

Athena (Minerva), goddess of wisdom, war, victory, and the city. Also goddess of handcrafts and other artistic skills. Daughter of Zeus; sprang fully grown from his head. Wears helmet and carries shield and spear.

Aphrodite (Venus), goddess of love. Daughter of Zeus and the water nymph Dione; alternatively, born of sea foam; wife of Hephaistos.

Hermes (Mercury), messenger of the gods, god of fertility and luck, guide of the dead to the underworld, and god of thieves and commerce. Son of Zeus and Maia, the daughter of Atlas, a Titan who supports the sky on his shoulders. Wears winged sandals and hat; carries caduceus, a wand with two snakes entwined around it.

### OTHER IMPORTANT DEITIES

**Demeter** (Ceres), goddess of grain and agriculture. Daughter of Kronos and Rhea, sister of Zeus and Hera.

**Persephone** (Proserpina), goddess of fertility and queen of the underworld. Wife of Hades; daughter of Demeter.

**Dionysos** (Bacchus), god of wine, the grape harvest, and inspiration. His female followers are called **maenads** (Bacchantes).

**Eros** (Cupid), god of love. In some myths, the son of Aphrodite. Shown as an infant or young boy, sometimes winged, carrying bow and arrows

Pan (Faunus), protector of shepherds, god of the wilderness and of music. Half-man, half-goat, he carries panpipes.

Nike (Victory), goddess of victory. Often shown winged and flying.

figures stand on each side of the body, their arms raised and both hands placed on top of their heads in a gesture of anguish, as if these mourners were literally tearing their hair out with grief. In the register underneath, horse-drawn chariots and footsoldiers, who look like walking shields with tiny antlike heads and muscular legs, move in solemn procession.

The geometric shapes used to represent human figures on this pot—triangles for torsos; more triangles for the heads in profile; round dots for eyes; long, thin rectangles for arms; tiny waists; and long legs with bulging thigh and calf muscles—are what has given the Geometric style its name. Figures are shown in either full-frontal or full-profile views that emphasize flat patterns and crisp outlines. Any sense of the illusion of three-dimensional forms occupying real space has been avoided. But the artist has captured a deep sense of human loss by exploiting the stylized solemnity and strong rhythmic accents of the carefully arranged elements.

Egyptian funerary art reflected the strong belief that the dead, in the afterworld, could continue to engage in activities they enjoyed while alive. For the Greeks, the deceased entered a place of mystery and obscurity that living humans could not define

precisely, and their funerary art, in contrast, focused on the emotional reactions of the survivors. The scene of human mourning on this pot contains no supernatural beings, nor any identifiable reference to an afterlife, only poignant evocations of the sentiments and rituals of those left behind on earth.

Greek artists of the Geometric period also produced figurines of wood, ivory, clay, and cast bronze. These small statues of humans and animals are similar in appearance to those painted on pots. A tiny bronze of this type (FIG. 5–3), depicting a MAN AND CENTAUR—a mythical creature, part man and part horse—dates to about the same time as the funerary krater. Although there were wise and good centaurs in Greek lore, this work takes up the theme of battling man and centaur, prominent throughout the history of Greek art (SEE FIG. 5–33). The two figures confront each other after the man—perhaps Herakles—has stabbed the centaur; the spearhead is visible on the centaur's left side. Like the painter of the contemporary funerary krater, the sculptor here has distilled the body parts of the figures to elemental geometric shapes, arranging them in a composition of solid forms and open, or negative, spaces that makes the piece pleasing from multiple



**5-3 • MAN AND CENTAUR** Perhaps from Olympia. c. 750 BCE. Bronze, height  $4^5/6''$  (11.1 cm). Metropolitan Museum of Art, New York. Gift of J. Pierpont Morgan, 1917 (17.190.2072)

viewpoints. Most such sculptures have been found in sanctuaries, suggesting that they may have served as votive offerings to the gods.

### THE ORIENTALIZING PERIOD

By the seventh century BCE, painters in major pottery centers in Greece had moved away from the dense linear decoration of the Geometric style. They now created more open compositions built around large motifs that included real and imaginary animals, abstract plant forms, and human figures. The source of these motifs can be traced to the arts of the Near East, Asia Minor, and Egypt. Greek painters did not simply copy the work of Eastern artists, however. Instead, they drew on work in a variety of media—including sculpture, metalwork, and textiles—to invent an entirely new approach to painting vessels.

The Orientalizing style (c. 700–600 BCE) began in Corinth, a port city where luxury wares from the Near East and Egypt inspired artists. The new style is evident in a Corinthian **olpe**, or wide-mouthed pitcher, dating to about 650–625 BCE (FIG. 5–4). Silhouetted creatures—lions, panthers, goats, deer, bulls, boars, and

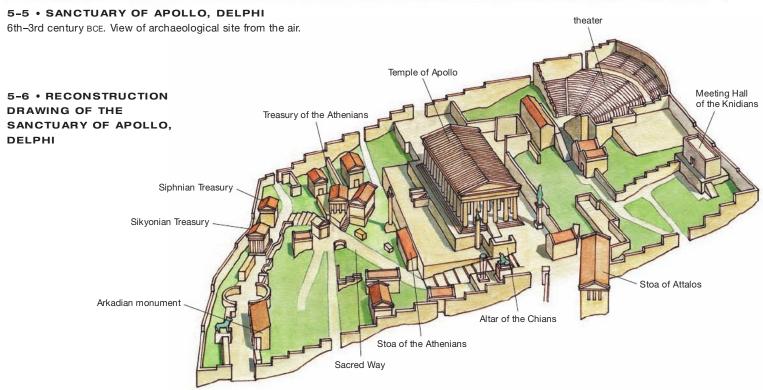
swans—stride in horizontal bands against a light background with stylized flower forms called **rosettes** filling the spaces around them. An example of the **black-figure** technique (see "Black-Figure and Red-Figure," page 120), dark shapes define the silhouettes of the animals against a background of very pale buff, the natural color of the Corinthian clay. The artist incised fine details inside the silhouetted shapes with a sharp tool and added touches of white and red slip to enliven the design.



5-4 • OLPE (PITCHER)

Corinth. c. 650–625 BCE. Ceramic with black-figure decoration, height  $12^{7} \%$  (32.8 cm). J. Paul Getty Museum, Malibu.





### THE ARCHAIC PERIOD, c. 600-480 BCE

The Archaic period does not deserve its name. "Archaic" means "antiquated" or "old-fashioned," even "primitive," and the term was chosen by art historians who wanted to stress what they perceived as a contrast between the undeveloped art of this time and the subsequent Classical period, once thought to be the most admirable and highly developed phase of Greek art. But the "Archaic" period was a time of great new achievement in Greece. In literature, Sappho wrote her inspired poetry on the island of Lesbos, while on another island the legendary storyteller, Aesop, crafted his animal fables. Artists and architects shared in the growing prosperity as city councils and wealthy individuals sponsored the creation of extraordinary sculpture and fine ceramics and commissioned elaborate civic and religious buildings in cities and sanctuaries.

### THE SANCTUARY AT DELPHI

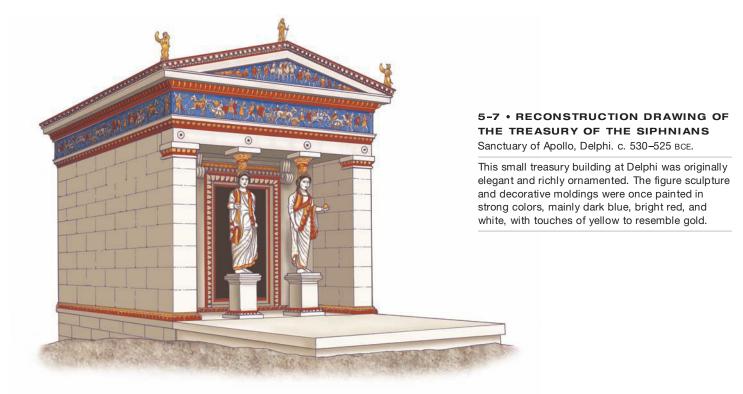
According to Greek myth, Zeus was said to have released two eagles from opposite ends of the earth and they met exactly at the rugged mountain site of Apollo's sanctuary (FIG. 5–5). From very early times, the sanctuary at Delphi was renowned as an oracle, a place where the god Apollo was believed to communicate with humans by means of cryptic messages delivered through a human intermediary, or medium (the Pythia). The Greeks and their leaders routinely sought advice at oracles, and attributed many twists of fate to misinterpretations of the Pythia's statements. Even foreign rulers journeyed to request help at Delphi.

Delphi was the site of the Pythian Games which, like the Olympian Games, attracted participants from all over Greece. The

principal events were the athletic contests and the music, dance, and poetry competitions in honor of Apollo. As at Olympia, hundreds of statues dedicated to the victors of the competitions, as well as mythological figures, filled the sanctuary grounds. The sanctuary of Apollo was significantly developed during the Archaic period and included the main temple, performance and athletic areas, treasuries, and other buildings and monuments, which made full use of limited space on the hillside (FIG. 5–6).

After visitors climbed the steep path up the lower slopes of Mount Parnassos, they entered the sanctuary by a ceremonial gate in the southeast corner. From there they zigzagged up the Sacred Way, so named because it was the route of religious processions during festivals. Moving past the numerous treasuries and memorials built by the city-states, they arrived at the long colonnade of the Temple of Apollo, rebuilt in c. 530 BCE on the site of an earlier temple. Below the temple was a **stoa**, a columned pavilion open on three sides, built by the people of Athens. There visitors rested, talked, or watched ceremonial dancing. At the top of the sanctuary hill was a stadium area for athletic contests.

TREASURY OF THE SIPHNIANS. Sanctuaries also included treasuries built by the citizens of Greek city-states to house and protect their offerings. The small but luxurious **TREASURY OF THE SIPHNIANS** (FIG. 5–7) was built in the sanctuary of Apollo at Delphi by the residents of the island of Siphnos near the Cyclades, between about 530 and 525 BCE. It survives today only in fragments housed in the museum at Delphi. Instead of columns, the builders used two stately **caryatids**—columns carved in the form of clothed women with their finely pleated, flowing garments, raised on **pedestals** and balancing elaborately carved





5-8 • BATTLE BETWEEN THE GODS AND THE GIANTS (TITANS)

Fragments of the north frieze of the Treasury of the Siphnians, from the Sanctuary of Apollo, Delphi. c. 530–525 BCE. Marble, height 26" (66 cm). Archaeological Museum, Delphi.

capitals on their heads. The capitals support a tall **entablature** conforming to the **Ionic order**, which features a plain, or three-panel, **architrave** and a continuous carved **frieze**, set off by richly carved moldings (see "The Greek Orders," page 110).

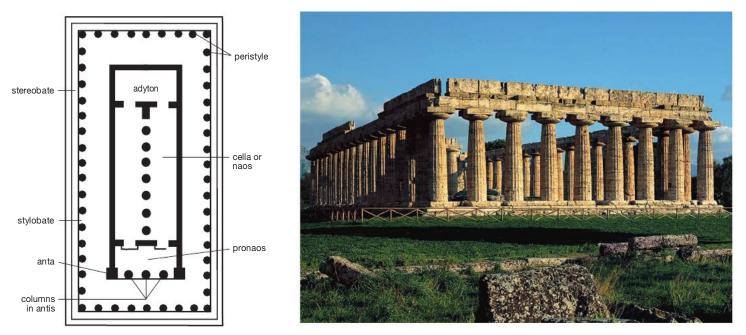
Both the continuous frieze and the **pediments** of the Siphnian Treasury were originally filled with relief sculpture. A surviving section of the frieze from the building's north side, which shows a scene from the legendary **BATTLE BETWEEN THE GODS AND THE GIANTS (TITANS)**, is notable for its complex representation of space **(FIG. 5–8)**. To give a sense of three-dimensional recession, the sculptors placed some figures behind others, overlapping as many as three of them and varying the depth of the relief to allow viewers to grasp their placement within space. Originally such sculptures were painted with bright color that enhanced the lifelike effect.

### **TEMPLES**

For centuries ancient Greeks had worshiped at sanctuaries where an outdoor altar stood near a temple that sheltered a statue of a god. As Greek temples grew steadily in size and complexity, stone and marble replaced the earlier mud-brick and wood construction. A number of standardized plans evolved, ranging from simple, one-room structures with columned **porches** (covered, open space in front of an entrance) to buildings with double porches (front and back), surrounded entirely by columns. Builders also experimented with the design of temple **elevations**—the arrangement, proportions, and appearance of the columns and the lintels, which now grew into elaborate entablatures. Two elevation designs emerged during the Archaic period: the **Doric order** and the Ionic order. The **Corinthian order**, a variant of the Ionic order, would develop later (see "The Greek Orders," page 110).

A particularly well-preserved Archaic temple, built around 550 BCE, still stands at the former Greek colony of Poseidonia (Roman Paestum) about 50 miles south of the modern city of Naples, Italy (FIG. 5-9). Dedicated to Hera, the wife of Zeus, it is known today as Hera I to distinguish it from a second, adjacent temple to Hera built about a century later. The builders used the Doric order. A row of columns called the peristyle surrounded the main room, the **cella**. The columns of Hera I are especially robust—only about four times as high as their maximum diameter—and topped with a widely flaring capital and a broad, blocky abacus, creating an impression of great stability and permanence. As the column shafts rise, they swell in the middle and contract again toward the top, a refinement known as entasis. This adjustment gives a sense of energy and lift. Hera I has an uneven number of columns—nine across the short ends of the peristyle, with a column instead of a space at the center of the two ends. The entrance to the pronaos (enclosed vestibule) has three columns in antis (between flanking wall piers), and a row of columns runs down the center of the wide cella to help support the ceiling and roof. The unusual two-aisle, two-door arrangement leading to the small room at the end of the cella proper suggests that the temple had two presiding deities: either Hera and Poseidon (patron of the city), or Hera and Zeus, or perhaps Hera in her two manifestations (as warrior and protector of the city and as mother and protector of children).

THE TEMPLE OF APHAIA ON AEGINA. A fully developed and somewhat sleeker Doric temple—part of a sanctuary dedicated to a local goddess named Aphaia—was built on the island of Aegina at the turn of the fifth century BCE (FIG. 5–10). Spectacularly sited on the top of a hill overlooking the sea, the temple is reasonably well–preserved, in spite of the loss of pediments, roof, and sections



 $5-9 \cdot PLAN$  and exterior view of temple of Hera I, poseidonia (roman paestum) Italy. c. 550-540 BCE.

EXPLORE MORE: Click the Google Earth link for The Temple of Hera I www.myartslab.com



c. 500 BCE. View from the east. Column height about 17' (5.18 m).

### **ELEMENTS OF ARCHITECTURE | The Greek Orders**

Each of the three Classical Greek architectural **orders**—Doric, Ionic, and Corinthian—constitutes a system of interdependent parts whose proportions are based on mathematical ratios. No element of an order could be changed without producing a corresponding change in other elements.

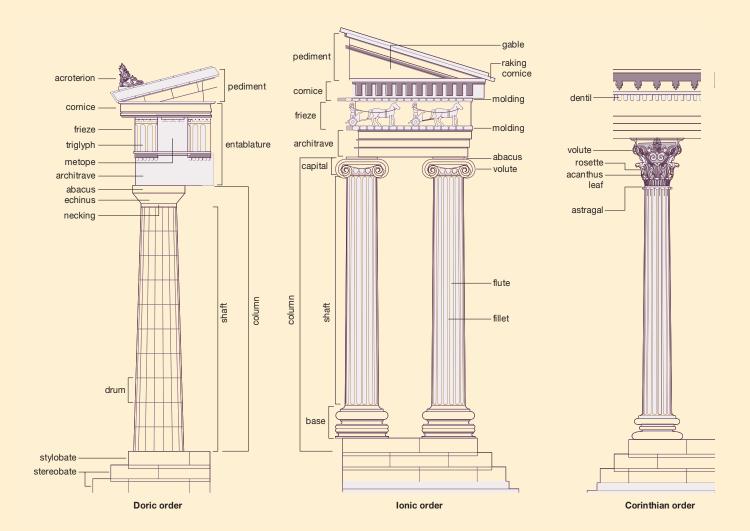
The basic components are the **column** and the **entablature**, which function as post and lintel in the structural system. All three types of columns have a **shaft** and a **capital**; Ionic and Corinthian also have a **base**. The shafts are formed of stacked round sections, or **drums**, which are joined inside by metal pegs. In Greek temple architecture, columns stand on the **stylobate**, the "floor" of the temple, which rests on top of a set of steps that form the temple's base, known as the **stereobate**.

In the **Doric order**, shafts sit directly on the stylobate, without a base. They are **fluted**, or channeled, with sharp edges. The height of the substantial columns ranges from five-and-a-half to seven times the diameter of the base. A **necking** at the top of the shaft provides a

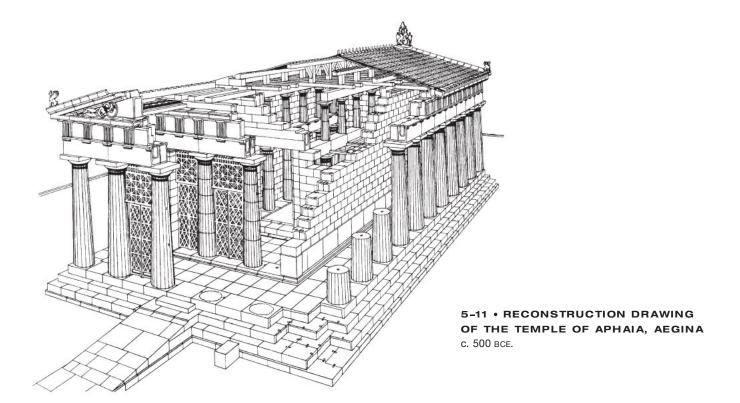
transition to the capital itself, composed of the rounded **echinus**, and the tabletlike **abacus**. The entablature includes the **architrave**, the distinctive frieze of alternating **triglyphs** and **metopes**, and the **cornice**, the topmost, projecting horizontal element. The roofline may have decorative waterspouts and terminal decorative elements called **acroteria**.

The **lonic order** has more elongated proportions than the Doric, the height of a column being about nine times the diameter of its base. The flutes on the columns are deeper and are separated by flat surfaces called **fillets**. The capital has a distinctive spiral scrolled **volute**; the entablature has a three-panel architrave, continuous sculptured or decorated frieze, and richer decorative moldings.

The **Corinthian order**, a variant of the Ionic order originally developed by the Greeks for use in interiors, was eventually used on temple exteriors as well. Its elaborate capitals are sheathed with stylized **acanthus** leaves that rise from a convex band called the **astragal**.



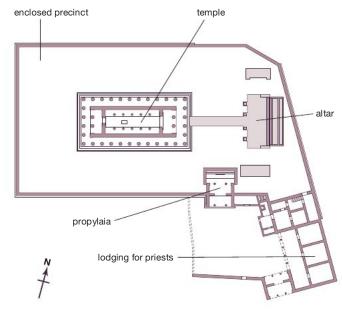
SEE MORE: View a simulation of the Greek architectural orders www.myartslab.com



of its colonnade. Enough evidence remains to form a reliable reconstruction of its original appearance (FIG. 5–11). The plan combines six columns on the façades with 12 on the sides, and the cella—whose roof was supported by superimposed colonnades—could be entered from porches on both short sides. The slight swelling of the columns (entasis) seen at Poseidonia is evident here as well, and the outside triglyphs are pushed to the ends of frieze, out of alignment with the column underneath them, to avoid the awkwardness of a half metope (rectangular panel with a relief or painting) at the corner.

Like most Greek temples, this building was neither isolated nor situated in open space, but set in relation to an outside altar where religious ceremonies were focused. By enclosing the temple within a walled precinct, the designer could control the viewer's initial experience of the temple. As the viewer entered the sacred space through a gatehouse—the Propylaia—the temple would be seen at an oblique angle (FIG. 5–12). Unlike ancient Egyptian temples, where long processional approaches led visitors directly to the flat entrance façade of a building (SEE FIGS. 3–18, 3–22), the Greek architect revealed from the outset the full shape of a closed, compact, sculptural mass, inviting viewers not to enter seeking something within, but rather to walk around the exterior, exploring the rich sculptural embellishment on pediments and frieze. Cult ceremonies, after all, took place outside the temples.

Modern viewers, however, will not find exterior sculpture at Aegina. Nothing remains from the metopes, and substantial surviving portions of the two pediments were purchased in the early nineteenth century by the future Ludwig I of Bavaria and are now exhibited in Munich. They are precious documents in the development of Greek architectural sculpture. The triangular pediments in Greek temples created challenging compositional



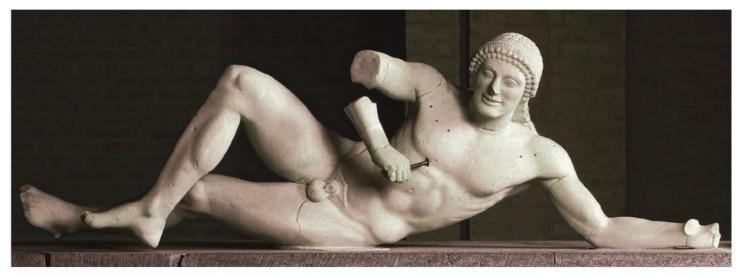
**5-12 • PLAN OF COMPLEX, TEMPLE OF APHAIA, AEGINA** c. 500 BCE.

problems for sculptors intent on fitting figures into the tapering spaces at the outside corners, since the scale of figures could not change, only their poses. The earlier, west pediment of Aegina (FIG. 5–13), dated about 500–490 BCE, represents a creative solution that became a design standard, appearing with variations throughout the fifth century BCE. The subject of the pediment, rendered in fully three-dimensional figures, is the participation of local warriors in the military expedition against Troy. Fallen warriors fill the angles at both ends of the pediment base, while others crouch and lunge, rising in height toward an image of Athena as warrior



5-13 • WEST PEDIMENT OF THE TEMPLE OF APHAIA, AEGINA

c. 500–490 BCE. Width about 49' (15 m). Surviving fragments as assembled in the Staatliche Antikensammlungen und Glyptothek, Munich (early restorations removed).



5-14 • DYING WARRIOR

From the right corner of the west pediment of the Temple of Aphaia, Aegina. c. 500–490 BCE. Marble, length 5'6" (1.68 m). Staatliche Antikensammlungen und Glyptothek, Munich.



### 5-15 • DYING WARRIOR

From the left corner of the east pediment of the Temple of Aphaia, Aegina. c. 490–480 BCE. Marble, length 6' (1.83 m). Staatliche Antikensammlungen und Glyptothek, Munich.

## **TECHNIQUE** I Color in Greek Sculpture

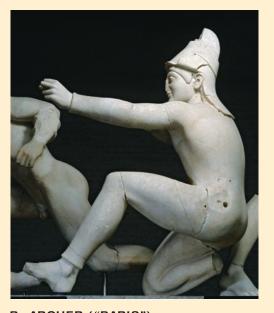
For many modern viewers, it comes as a real surprise, even a shock, that the stone sculptures of ancient Greece did not always have stark white, pure marble surfaces, comparable in appearance to -and consistent in taste with -the more recent, but still classicizing sculptures of Michelangelo or Canova (SEE FIGS. 20-9 and 29-14). But they were originally painted with brilliant colors. A close examination of Greek sculpture and architecture has long revealed evidence of polychromy, even to the unaided eye, but our understanding of the original appearance of these works has been greatly enhanced recently. Since the 1980s, German scholar Vinzenz Brinkmann has used extensive visual and scientific analysis to evaluate the traces of painting that remain on ancient Greek sculpture, employing tools such as ultraviolet and x-ray fluorescence, microscopy, and pigment analysis. Based on this research, he and his colleague Ulrike Koch-Brinkmann have fashioned reconstructions that allow us to imagine the exuberant effect these works would have had when they were new.

Illustrated here is their painted reconstruction of a kneeling archer from about 500 BCE that once formed part of the west pediment of the Temple of Aphaia at Aegina. To begin with they have replaced features of the sculpture-ringlet hair extensions, a bow, a quiver, and arrowsprobably made of bronze or lead and attached to the stone after it was carved, using the holes still evident in the current state of the figure's hip and head. Most stunning, however, is the diamond-shaped patterns that were painted on his leggings and sleeves, using pigments derived from malachite, azurite, arsenic, cinnabar and charcoal. And the surfaces of such figures were not simply colored in. Artists created a sophisticated integration of three-dimensional form, color, and design. The patterning applied to this archer's leggings actually changes in size and shape in relation to the body beneath it, stretching out on expansive thighs and constricting on tapering ankles. Ancient authors indicate that sculpture was painted to make figures more lifelike, and these recent reconstructions certainly back them up.



A. Vinzenz Brinkmann and Ulrike Koch-Brinkmann RECONSTRUCTION OF ARCHER

From the west pediment of the Temple of Aphaia, Aegina. 2004 ce. Staatliche Antikensammlungen und Glyptothek, Munich.



B. ARCHER ("PARIS")From the west pediment of the Temple of Aphaia, Aegina.c. 500–490 BCE. Marble. Staatliche Antikensammlungen und

Glyptothek, Munich.

goddess—who can fill the elevated pointed space at the center peak since she is allowed to be represented larger (hieratic scale) than the humans who flank her.

Among the best-preserved fragments from the west pediment is the **DYING WARRIOR** from the far right corner (FIG. 5–14). This tragic but noble figure struggles to rise up, supported on bent leg and elbow, in order to extract an arrow from his chest, even though his death seems certain. This figure originally would have been painted and fitted with authentic bronze accessories, heightening the sense of reality (see "Color in Greek Sculpture," above).

A similar figure appeared on the east pediment, created a decade or so after its counterpart on the west (FIG. 5–15). The sculptor of

this dying warrior also exploited the difficult framework of the pediment corner, only here, instead of an uplifted frontal form in profile, we see a twisted body capable of turning in space. The figure is more precariously balanced on his shield, clearly about to collapse. There is an increased sense of softness in the portrayal of human flesh and a greater sophistication in tailoring bodily posture not only to the tapering shape of the pediment, but also to the expression of the warrior's own emotional involvement in the agony and vulnerability of his predicament, which in turn inspires a sense of pathos or empathy in the viewer. Over the course of a decade, the sculptors of Aegina allow us to trace the transition from Archaic toward Early Classical art.

#### FREE-STANDING SCULPTURE

In addition to statues designed for temple exteriors, sculptors of the Archaic period created a new type of large, free-standing statue made of wood, **terra cotta** (clay fired over low heat, sometimes unglazed), limestone, or white marble from the islands of Paros and Naxos. These free-standing figures were brightly painted and sometimes bore inscriptions indicating that individual men or women had commissioned them for a commemorative purpose. They have been found marking graves and in sanctuaries, where they lined the sacred way from the entrance to the main temple.

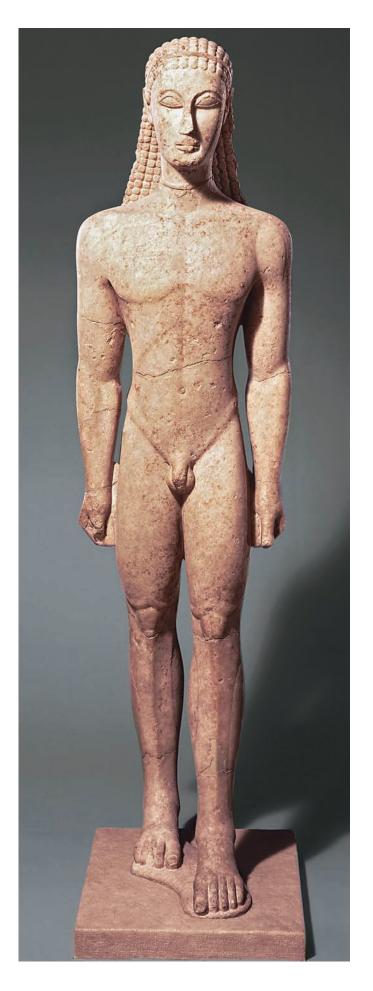
A female statue of this type is called a **kore** (plural, *korai*), Greek for "young woman," and a male statue is called a **kouros** (plural, *kouroi*), Greek for "young man." Archaic *korai*, always clothed, probably represented deities, priestesses, and nymphs, young female immortals who served as attendants to gods. *Kouroi*, nearly always nude, have been variously identified as gods, warriors, and victorious athletes. Because the Greeks associated young, athletic males with fertility and family continuity, the *kouroi* figures may have symbolized ancestors.

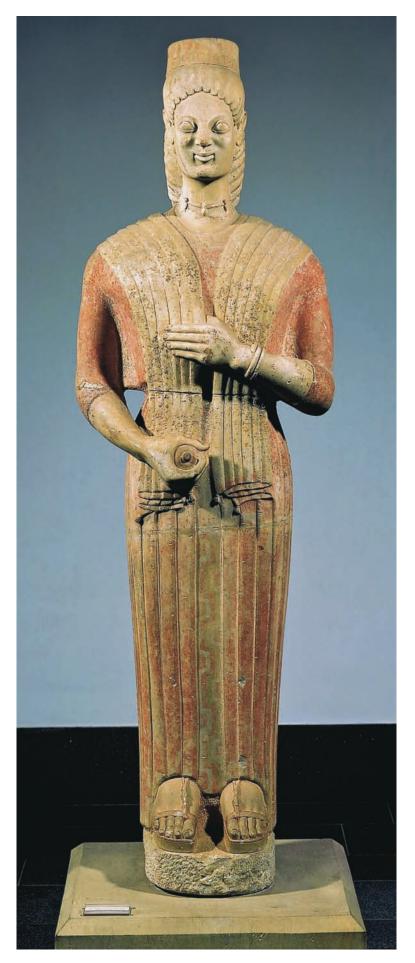
METROPOLITAN KOUROS. A kouros dated about 600 BCE (FIG. 5-16) recalls the pose and proportions of Egyptian sculpture. As with Egyptian figures such as the statue of Menkaure (SEE FIG. 3-9), this young Greek stands rigidly upright, arms at his sides, fists clenched, and one leg slightly in front of the other. However, the Greek artist has cut away all stone from around the body to make the human form free-standing. Archaic kouroi are also much less lifelike than their Egyptian forebears. Anatomy is delineated with linear ridges and grooves that form regular, symmetrical patterns. The head is ovoid and schematized, and the wiglike hair evenly knotted into tufts and tied back with a narrow ribbon. The eyes are relatively large and wide open, and the mouth forms a conventional closed-lip expression known as the Archaic smile. In Egyptian sculpture, male figures usually wore clothing associated with their status, such as the headdresses, necklaces, and kilts that identified them as kings. The total nudity of the Greek kouroi is unusual in ancient Mediterranean cultures, but it is acceptable-even valuedin the case of young men. Not so with women.

BERLIN KORE. Early Archaic *korai* are as severe and stylized as the male figures. The **BERLIN KORE**, found in a cemetery at Keratea and dated about 570–560 BCE, stands more than 6 feet tall (FIG. 5–17). The erect, immobile pose and full-bodied figure—accentuated by a crown and thick-soled clogs—seem appropriate to a goddess, although the statue may represent a priestess or an attendant. The thick robe and tasseled cloak over her shoulders fall in regularly spaced, symmetrically disposed, parallel folds like the

### 5-16 • METROPOLITAN KOUROS

Attica. c. 600 BCE. Marble, height 6' (1.84 m). Metropolitan Museum of Art, New York. Fletcher Fund, 1932 (32.11.1)





fluting on a Greek column. This drapery masks her body but mimics its curving contours. Traces of red—perhaps the red clay used to make thin sheets of gold adhere—indicate that the robe was once painted or gilded. The figure holds a pomegranate in her right hand, a symbol of Persephone, who was abducted by Hades, the god of the underworld, and whose annual return brought the springtime.

ANAVYSOS KOUROS. The powerful, rounded, athletic body of a *kouros* from Anavysos, dated about 530 BCE, documents the increasing interest of artists and their patrons in a more lifelike rendering of the human figure (FIG. 5–18). The pose, wiglike hair, and Archaic smile echo the earlier style, but the massive torso and limbs have carefully rendered, bulging muscularity, suggesting heroic strength. The statue, a grave monument to a fallen war hero, has been associated with a base inscribed: "Stop and grieve at the tomb of the dead Kroisos, slain by wild Ares [god of war] in the front rank of battle." However, there is no evidence that the figure was meant to preserve the likeness of Kroisos or anyone else. He is a symbolic type, not a specific individual.

"PEPLOS" KORE. The kore in FIG. 5–19 is dated about the same time as the *Anavysos Kouros*. Like the *kouros*, she has rounded body forms, but unlike him, she is clothed. She has the same motionless, vertical pose of the *Berlin Kore* (SEE FIG. 5–17), but her bare arms and head convey a sense of soft flesh covering a real bone structure, and her smile and hair are considerably less stylized. The original painted colors on both body and clothing must have made her seem even more lifelike, and she also once wore a metal crown and jewelry.

The name we use for this figure is based on an assessment of her clothing as a young girl's **peplos**—a draped rectangle of cloth pinned at the shoulders and belted to give a bloused effect—but it has recently been argued that this *kore* is actually wearing a sheath-like garment, originally painted with a frieze of animals, identifying her not as a young girl but a goddess, perhaps Athena or Artemis. Her missing left forearm—which was made of a separate piece of marble fitted into the still-visible socket—would have extended forward horizontally, and may have held an attribute that provided the key to her identity.

#### 5-17 • BERLIN KORE

Cemetery at Keratea, near Athens. c. 570–560 BCE. Marble with remnants of red paint, height 6'3" (1.9 m). Staatliche Museen zu Berlin, Antikensammlung, Preussischer Kulturbesitz, Berlin.



**5–18 • ANAVYSOS KOUROS**Cemetery at Anavysos, near Athens. c. 530 BCE. Marble with remnants of paint, height 6'4" (1.93 m). National Archaeological Museum, Athens.



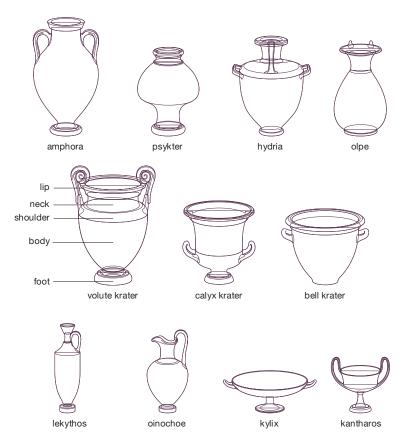
**5-19 • "PEPLOS" KORE**Acropolis, Athens. c. 530 BCE. Marble, height 4' (1.21 m). Acropolis Museum, Athens.

### PAINTED POTS

Greek potters created beautiful vessels whose standardized shapes were tailored to specific utilitarian functions (FIG. 5–20). Occasionally, these potters actually signed their work, as did the artists who painted scenes on the pots. Greek ceramic painters became highly accomplished at accommodating their pictures to the often awkward fields on utilitarian shapes, and they usually showcased not isolated figures but scenes of human interaction evoking a story.

BLACK-FIGURE VESSELS. During the Archaic period, Athens became the dominant center for pottery manufacture and trade in Greece, and Athenian painters adopted Corinthian black-figure techniques (SEE FIG. 5–4), which became the principal mode of decoration throughout Greece in the sixth century BCE. At first, Athenian vase painters retained the horizontal banded composition that was characteristic of the Geometric period. Over time, however, they decreased the number of bands and increased the size of figures until a single narrative scene dominates each side of the vessel.

THE AMASIS PAINTER. A mid-sixth-century BCE amphora—a large, all-purpose storage jar—with bands of decoration above and below a central figural composition illustrates this development (FIG. 5–21). The painting on this amphora has been attributed to an artist we call the Amasis Painter, since this distinctive style was first recognized on vessels signed by a prolific potter named Amasis.



5-20 • SOME STANDARD SHAPES OF GREEK VESSELS



**5-21** • Amasis Painter **DIONYSOS WITH MAENADS** c. 540 BCE. Black-figure decoration on an amphora. Ceramic, height of amphora 13" (33.3 cm). Bibliothèque Nationale, Paris.

Two maenads (female worshippers of the wine god Dionysos), intertwined with arms around each other's shoulders, skip forward to present to Dionysos their offerings—a long-eared rabbit and a small deer. (Amasis signed his work just above the rabbit.) The maenad holding the deer wears the skin of a spotted panther (or leopard), its head still attached, draped over her shoulders and secured with a belt at her waist. The god, an imposing, richly dressed figure, clasps a large kantharos (wine cup). This encounter between humans and a god appears to be a joyful, celebratory occasion rather than one of reverence or fear. The Amasis Painter favored strong shapes and patterns over conventions for making figures appear to occupy real space. He emphasized fine details, such as the large, delicate petal and spiral designs below each handle, the figures' meticulously arranged hair, and the bold patterns on their clothing.

EXEKIAS. Perhaps the most famous of all Athenian black-figure painters, Exekias, signed many of his vessels as both potter and painter. He took his subjects from Greek mythology, which he and



**5-22** • Exekias ACHILLES AND AJAX PLAYING A GAME c. 540–530 BCE. Black-figure decoration on an amphora. Ceramic, height of amphora 2' (61 cm). Vatican Museums, Rome.

his patrons probably considered to be history. On the body of an amphora we have already seen at the beginning of this chapter, he portrayed Tro jan War heroes Ajax and Achilles in a rare moment of relaxation playing dice (FIG. 5–22). This is an episode not included in any literary source, but for Greeks familiar with the story, this anecdotal portrayal of friendly play would have been a poignant reminder that before the end of the war, the heroes would be parted by death, Achilles in battle and Ajax by suicide. Knowing the story was critical to engaging with such paintings, and artists often included identifying labels beside the characters to guide viewers to the narrative source so they could delight in the painters' rich renderings of familiar narrative situations (SEE ALSO FIG. 5–1).

RED-FIGURE VESSELS. In the last third of the sixth century BCE, while many painters were still creating handsome black-figure wares, some turned away from this meticulous process to a new, more fluid technique called **red-figure** (see "Black-Figure and Red-Figure," page 120). In this mode of decoration, red figures stand out against a black background, the opposite of black-figure painting. The greater freedom and flexibility that resulted from

painting rather than engraving details led ceramic painters to adopt the red-figure technique widely in a relatively short time. It allowed them to create livelier human figures with a more developed sense of bodily form—qualities that were increasingly demanded of Greek artists in several media.

EUPHRONIOS. One of the best-known red-figure artists was Euphronios. His rendering of the *Death of Sarpedon*, about 515 BCE (see "A Closer Look," opposite), is painted on a krater—known as a **calyx krater** because its handles curve up like a flower's calyx. This vessel was used as a punchbowl during a **symposium**, a social gathering of rich and powerful men. According to Homer's *Iliad*, Sarpedon, a son of Zeus and a mortal woman, was killed by the Greek warrior Patroclus while fighting for the Trojans. Euphronios captures the scene in which the warrior is being carried off to the underworld, the land of the dead.

Euphronios has created a balanced composition of verticals and horizontals that take the shape of the vessel into account. The bands of decoration above and below the scene echo the long horizontal of the dead fighter's body, which seems to levitate in the



# A CLOSER LOOK

### The Euphronios Krater >

by Euphronios (painter) and Euxitheos (potter). *Death of Sarpedon*. c. 515 BCE. Red-figure decoration on a calyx krater. Ceramic, height of krater 18" (45.7 cm). Etruscan Museum, Villa Giulia, Rome.

Hypnos (Sleep) and Thanatos (Death), identified by inscriptions that seem to emerge from their mouths, face each other on either side of the The painting's field is framed fallen body of Sarpedon, gently raising the slain warrior. by dense bands of detailed ornament, placed to highlight the contours of the krater. The god Hermes is identified not only by inscription, but also by his caduceus (staff with coiled Sarpedon's body twists up to snakes) and winged headgear. face the viewer, allowing The attention to contours, Euphronios to outline every distribution of drapery folds, and muscle and ligament of the overlapping of forms give the torso, showing off both his twisting figure threeknowledge of anatomy and his dimensionality. virtuosity in using the newly developed red-figure technique. Blood continues illogically to pour from the wounds in Sarpedon's corpse, not out of Euphronios makes it appear as if ignorance on the part of the Sarpedon's left leg is projecting artist but because of his into the viewer's space through the determination to heighten the technique of foreshortening. dramatic effect of the scene.

SEE MORE: View the Closer Look feature for the Euphronios Krater at www.myartslab.com

gentle grasp of its bearers, and the inward-curving lines of the handles mirror the arching backs and extended wings of Hypnos and Thanatos. The upright figures of the lance-bearers on each side and Hermes in the center counterbalance the horizontal and diagonal elements of the composition. While conveying a sense of the mass and energy of human subjects, Euphronios also portrayed the elaborate details of their clothing, musculature, and facial features with the fine tip of a brush. And he created the impression of real space around the figures by gently foreshortening Sarpedon's left leg that appears to be coming toward the viewer's own space. Such formal features, as well as a palpable sense of pathos in the face of Sarpedon's fate, seem to connect Euphronios' work with the dying warriors of the pediments at Aegina (SEE FIGS. 5–14, 5–15), which would be sculpted a little over a decade later.

# THE EARLY CLASSICAL PERIOD, c. 480–450 BCE

Over the brief span of 160 years between c. 480 and 323 BCE, the Greeks established an ideal of beauty that has endured in the Western world to this day. Scholars have associated Greek Classical art with three general concepts: humanism, rationalism, and idealism (see "Classic and Classical," page 124). The ancient Greeks believed the words of their philosophers and followed these injunctions in their art: "Man is the measure of all things," that is, seek an ideal based on the human form; "Know thyself," seek the inner significance of forms; and "Nothing in excess," reproduce only essential forms. In their embrace of humanism, the Greeks even imagined their gods as perfect human beings. But the Greeks valued human

## TECHNIQUE | Black-Figure and Red-Figure

The two predominant techniques for painting on Greek ceramic vessels were black-figure (A) and red-figure (B). Both involved applying slip (a mixture of clay and water) to the surface of a pot and carefully manipulating the firing process in a kiln (a closed oven) to control the amount of oxygen reaching the ceramics. This firing process involved three stages. In the first stage, oxygen was allowed into the kiln, which "fixed" the whole vessel in one overall shade of red depending on the composition of the clay. Then, in the second (reduction) stage, the oxygen in the kiln was cut back (reduced) to a minimum, turning the vessel black, and the temperature was raised to the point at which the slip partially vitrified (became glasslike). Finally, in the third stage, oxygen was allowed back into the kiln, turning the unslipped areas back to a shade of red. The areas where slip had been applied, however, were sealed against the oxygen and remained black.

In the black-figure technique, artists silhouetted the forms—figures, objects, or abstract motifs—with slip against the unpainted clay of the background. Then, using a sharp tool (a **stylus**), they cut through the slip to the body of the vessel, incising linear details within the

A. Lysippides Painter HERAKLES DRIVING A BULL TO SACRIFICE

c. 525–520 BCE. Black-figure decoration on an amphora. Ceramic, height of amphora  $20^{15}/_6$ " (53.2 cm). Museum of Fine Arts, Boston.

silhouetted shape by revealing the unpainted clay underneath. The characteristic color contrast only appeared in firing. Sometimes touches of white and reddish-purple gloss—made of metallic pigments mixed with slip—enhanced the decorative effect.

In the red-figure technique, the approach was reversed. Artists painted not the shapes of the forms themselves but the background around forms (**negative space**), reserving unpainted areas for silhouetted forms. Instead of engraving details, painters drew on the reserved areas with a fine brush dipped in liquid slip. The result was a lustrous black vessel with light-colored figures delineated in fluid black lines.

The contrasting effects obtained by these two techniques are illustrated in details of two sides of a single amphora of about 525 BCE, both portraying the same figural composition, one painted by an artist using black-figure, and the other painted by an innovative proponent of red-figure technique. The sharp precision and flattened decorative richness characterizing black-figure contrasts strikingly here with the increased fluidity and greater sense of three-dimensionality facilitated by the development of the red-figure technique.



B. Andokides Painter HERAKLES DRIVING A BULL TO SACRIFICE

c. 525–520 BCE. Red-figure decoration on an amphora. Ceramic, height of amphora  $20^{15} f''_6$  (53.2 cm). Museum of Fine Arts, Boston.

reason over human emotion. They saw all aspects of life, including the arts, as having meaning and pattern. Nothing happens by accident. It is not surprising that great Greek artists and architects were not only practitioners but theoreticians as well. In the fifth century BCE, the sculptor Polykleitos (see "The Canon of Polykleitos," page 134) and the architect Iktinos both wrote books on the theory underlying their practice.

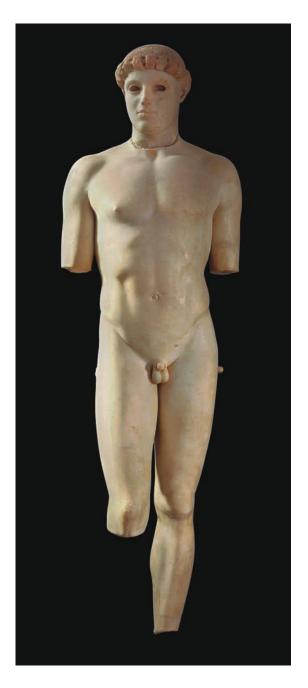
Art historians usually divide the Classical into three phases, based on the formal qualities of the art: the Early Classical period (c. 480–450 BCE); the "High" Classical period (c. 450–400 BCE); and the Late Classical period (c. 400–323 BCE). The Early Classical period begins with the defeat of the Persians in 480 BCE by an alliance of city-states led by Athens and Sparta. The expanding Persian Empire had posed a formidable threat to the independence

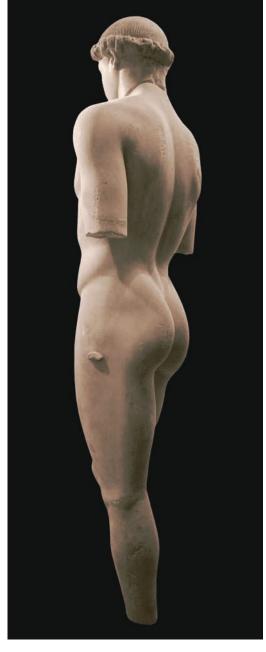
of the city-states, and the two sides had been locked in battle for decades until the Greek alliance was able to repulse a Persian invasion and score a decisive victory. Some scholars have argued that their success against the Persians gave the Greeks a self-confidence that accelerated artistic development, inspiring artists to seek new and more effective ways to express their cities' accomplishments. In any case, the period that followed the Persian Wars, extending to about 450 BCE, saw the emergence of a new stylistic direction, away from elegant stylizations and toward a sense of greater faithfulness to the natural appearance of human beings and their world.

### MARBLE SCULPTURE

In the remarkably short time of only a few generations, Greek sculptors had moved far from the stiff frontality of the Archaic *kouroi* 

to more relaxed, lifelike figures such as the so-called **KRITIOS BOY** of about 480 BCE (FIG. 5–23). The softly rounded body forms, broad facial features, and calm expression—there is not even a trace of an Archaic smile—give the figure an air of self-confident seriousness. He strikes an easy pose quite unlike the rigid bearing of Archaic *kouroi*. His weight rests on his left, engaged leg, while his right, relaxed leg bends slightly at the knee, and a noticeable curve in his spine counters the slight shifting of his hips and a subtle drop of one of his shoulders. We see here the beginnings of **contrapposto**, the convention of presenting standing figures with opposing alternations of tension and relaxation around a central axis that will dominate Classical art. The slight turn of the head invites the spectator to follow his gaze and move around the figure, admiring the small marble statue from every angle.





**5-23 • KRITIOS BOY** From Acropolis, Athens. c. 480 BCE. Marble, height 3'10" (1.17 m). Acropolis Museum, Athens.

The damaged figure, excavated from the debris on the Athenian Acropolis, was thought by its finders to be by the Greek sculptor Kritios, whose work they knew only from Roman copies.



# THE OBJECT SPEAKS

### The Tomb of the Diver

Although ancient Greek commentators describe elaborate monumental wall paintings and discuss the output and careers of illustrious painters from the fifth and fourth centuries BCE, almost nothing of this art has survived. We rely heavily on ceramics to fill gaps in our knowledge of Greek painting, assuming that the decoration of these more modest utilitarian vessels reflects the glorious painting tradition documented in texts. There are also tantalizing survivals in provincial Greek sites. Principal among them are the well-preserved Early Classical wall paintings of c. 480-470 BCE in the Tomb of the Diver, discovered in 1968 just south of the Greek colony of Poseidonia (Roman Paestum) in southern Italy.

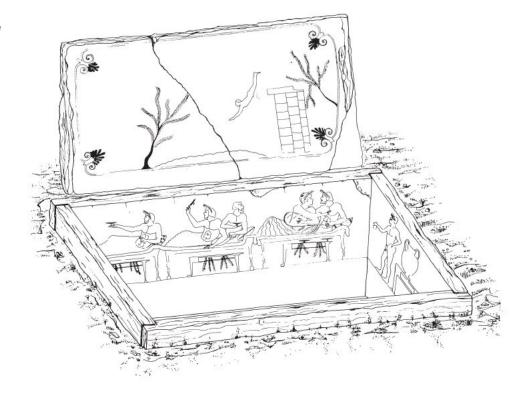
The paintings cover travertine slabs that formed the four walls and roof of a tomb submerged into the natural rock (FIG. A), approximately 7 feet long, 31/2 feet wide, and 21/2 feet deep. Painted in buon fresco (waterbased pigments applied to wet plaster) on a white ground in earthy browns, yellows, and blacks, with accents of blue, the scenes on the walls surrounded the occupant of this tomb with a group of reclining men, assembled for a symposium -lively, elite male gatherings that focused on wine, music, games, and lovemaking. Many of the most distinguished of surviving Greek ceramic vessels were made for use in these playfully competitive drinking parties and they are highlighted in the tomb paintings. On one short side (visible in the reconstruction drawing), a striding nude youth has filled the oinochoe (wine jug) in his right hand with the mixture of wine and water that was served from large kraters (punch bowls, like that portrayed on the table behind him) as the featured beverage of the symposium. He extends his arm toward a group of revelers

reclining along one of the long walls (FIG. B), each of whom has a kylix (wide, shallow, footed drinking cup), waiting to be filled. The man at the left reclines alone, raising his kylix to salute a couple just arriving or perhaps toasting their departure - on the other short side. Behind him, the two couples on the long frieze -in each case a bearded, mature man paired with a youthful companion -are already engaged in the party. The young man in the middle pairing is slinging his upraised kylix, presumably to propel the dregs of his wine toward a target, a popular symposium game. His partner turns in the opposite direction to ogle at the amorous pair at the right, who have abandoned their cups on the table in front of them and turned to embrace, gazing into each other's eyes as the erotic action heats up.

The significance of these paintings in relationship to a young man's tomb is not absolutely clear. Perhaps they are indicative of the deceased's elevated social status, since only wealthy aristocrats participated in such gatherings. The symposium could also

represent funerary feasting or a vision of the pleasures that awaits the deceased in a world beyond death.

The transition between this world and the next certainly seems to be the theme of the spare but energetic painting on the roof of the tomb, where a naked boy is caught in mid dive, poised to plunge into the water portrayed as a blue mound underneath him (FIG. C). Whereas the scene of the symposium accords with an ancient Greek pictorial tradition, especially prominent on ceramic vessels made for use by its male participants, this diver finds his closest parallels in Etruscan tomb painting (SEE FIG. 6-6), flourishing at this time further north in Italy. Since the scene was located directly over the body of the man entombed here, it is likely that it mirrors his own plunge from life into death. And since it combines Greek and Etruscan traditions, perhaps this tomb was made for an Etruscan citizen of Poseidonia, whose tomb was commissioned from a Greek artist working in this flourishing provincial center.

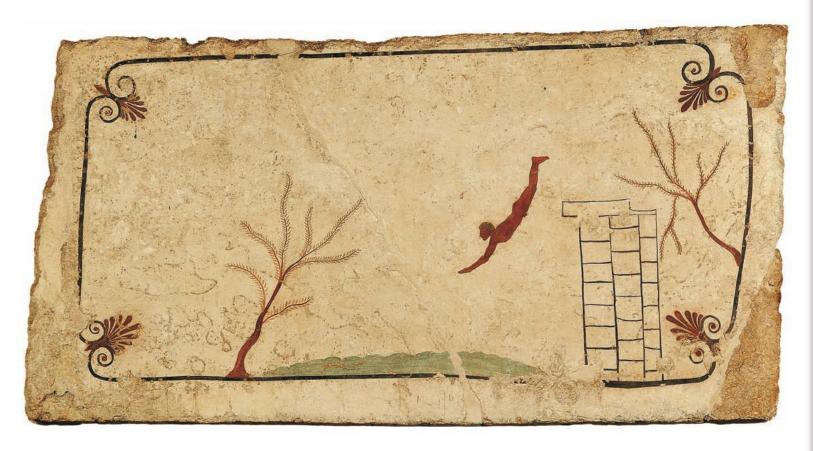


**A. RECONSTRUCTION DRAWING OF THE TOMB OF THE DIVER** From Poseidonia (Roman Paestum). c. 480 BCE.



B. A SYMPOSIUM SCENE

From the Tomb of the Diver, Poseidonia (Roman Paestum). c. 480 BCE. Fresco on travertine slab, height 31" (78 cm). Paestum Museum.



### C. A DIVER

From the Tomb of the Diver, Poseidonia (Roman Paestum). c. 480 BCE. Fresco on travertine slab, height 3'4'' (1.02 m). Paestum Museum.



# ART AND ITS CONTEXTS

### Classic and Classical

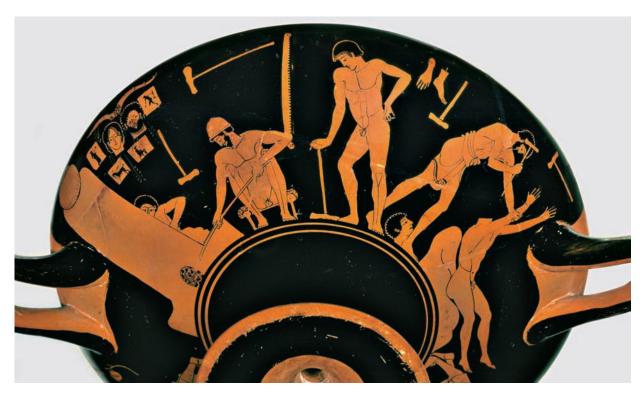
Our words "classic" and "classical" come from the Latin word *classis*, referring to the division of people into classes based on wealth. Consequently, "classic" has come to mean "first class," "the highest rank," "the standard of excellence." Greek artists in the fifth century BCE sought to create ideal images based on strict mathematical proportions. Since Roman artists were inspired by the Greeks, art

historians often use the term Classical to refer to the culture of ancient Greece and Rome. By extension, the word may also mean "in the style of ancient Greece and Rome," whenever or wherever that style is used. In the most general usage, a "classic" is something—perhaps a literary work, an automobile, a film, even a soft drink—thought to be of lasting quality and universal esteem.

### **BRONZE SCULPTURE**

The development of the technique of modeling and hollow-casting bronze in the lost-wax process gave Greek sculptors the potential to create more complex action poses with outstretched arms and legs. These were very difficult to create in marble, since unbalanced figures might topple over and extended appendages might break off due to their pendulous weight. Bronze figures were easier to balance, and the metal's greater tensile strength made complicated poses and gestures technically possible.

The painted underside of an Athenian **kylix** (broad, flat drinking cup) illustrates work in a late Archaic foundry for casting life-size figures (FIG. 5–24), providing clear evidence that the Greeks were creating large bronze statues in active poses as early as the first decades of the fifth century BCE. The walls of the workshop are filled with hanging tools and other foundry paraphernalia including several sketches—a horse, human heads, and human figures in different poses. One worker, wearing what looks like a modern-day construction helmet, squats to tend the



5-24 • Foundry Painter A BRONZE FOUNDRY

Red-figure decoration on a kylix from Vulci, Italy. 490–480 BCE. Ceramic, diameter of kylix 12" (31 cm). Staatliche Museen zu Berlin, Preussischer Kulturbesitz, Antikensammlung, Berlin.

The Foundry Painter has masterfully organized this workshop scene within the flaring space that extends upward from the foot of the vessel and along its curving underside up to the lip, thereby using a circle as the groundline for his composition.



5-25 • CHARIOTEER

From the Sanctuary of Apollo, Delphi. c. 470 BCE. Bronze, copper (lips and lashes), silver (hand), onyx (eyes), height 5'11" (1.8 m). Archaeological Museum, Delphi.

The setting of a work of art affects the impression it makes. Today, the *Charioteer* is exhibited on a low base in the peaceful surroundings of a museum, isolated from other works and spotlighted for close examination. Its effect would have been very different in its original outdoor location, standing in a horse-drawn chariot atop a tall monument. Viewers in ancient times, tired from the steep climb to the sanctuary and jostled by crowds of fellow pilgrims, could have absorbed only its overall effect, not the fine details of the face, robe, and body visible to today's viewers.

furnace on the left, perhaps aided by an assistant who peeks from behind. The man in the center, perhaps the supervisor, leans on a staff, while a third worker assembles a leaping figure that is braced against a molded support. The unattached head lies between his feet.

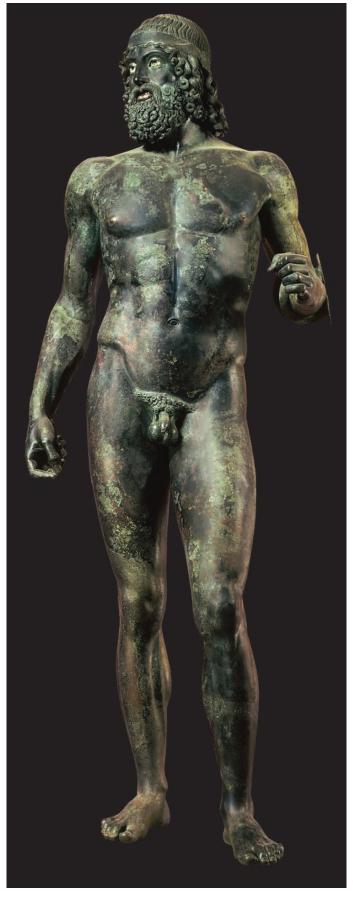
THE CHARIOTEER. A spectacular and rare life-size bronze, the **CHARIOTEER (FIG. 5–25)**, cast about 470 BCE, documents the skills of Early Classical bronze-casters. It was found in the sanctuary of Apollo at Delphi, together with fragments of a bronze chariot and horses, all buried after an earthquake in 373 BCE. (The earthquake may have saved them from the fate of most ancient bronzes, which were melted down so the material could be recycled and made into a new work.) According to its inscription, the sculptural group commemorated a victory by a driver in the Pythian Games of 478 or 474 BCE.

The face of this handsome youth is highly idealized, but it almost seems to preserve the likeness of a specific individual, calling to mind the report of the Roman historian and naturalist Pliny the Elder that three-time winners in Greek competitions had their features memorialized in stone. The charioteer's head turns slightly to one side, his intense, focused expression enhanced by glittering, onyx eyes and fine copper eyelashes. He stands at attention, sheathed in a long robe with folds falling naturally under their own weight, varying in width and depth, yet seemingly capable of swaying and rippling with the charioteer's movement. The feet, with their closely observed toes, toenails, and swelled veins over the instep, are so realistic that they seem to have been cast from molds made from the feet of a living person.

THE RIACE WARRIORS. The sea as well as the earth has protected ancient bronzes from recycling. As recently as 1972, divers recovered a pair of heavily corroded, larger-than-life-size bronze figures from the seabed off the coast of Riace, Italy. Known as the *Riace Warriors*, they date to about 460–450 BCE. Just what sent them to the bottom is not known, but conservators have restored them to their original condition (see "The Riace Warriors," page 127).

The **WARRIOR** in FIG. 5–26 reveals a striking balance between the idealized smoothness of "perfected" anatomy conforming to Early Classical standards and the reproduction of details observed from nature, such as the swelling veins in the backs of the hands. Contrapposto is even more evident here than in the *Kritios Boy*, and the toned musculature suggests a youthfulness inconsistent with the maturity of the heavy beard and almost haggard face. The lifelike quality of this bronze is further heightened by inserted eyeballs of bone and colored glass, copper inlays on lips and nipples, silver plating on the teeth that show between parted lips, and attached eyelashes and eyebrows of separately cast strands of bronze. This accommodation of the intense study of the human figure to an idealism that belies the irregularity of nature will be continued by artists in the "High" Classical period.





**5-26 • WARRIOR**Found in the sea off Riace, Italy. c. 460–450 BCE. Bronze with bone and glass eyes, silver teeth, and copper lips and nipples, height 6'9" (2.05 m). National Archeological Museum, Reggio Calabria, Italy.

### **RECOVERING THE PAST | The Riace Warriors**

In 1972, a scuba diver in the Ionian Sea near the beach resort of Riace, Italy, found what appeared to be a human elbow and upper arm protruding from sand about 25 feet beneath the sea. Taking a closer look, he discovered that the arm was made of metal, not flesh, and was part of a large statue. He soon uncovered a second statue nearby.

Experienced underwater salvagers raised the statues: bronze warriors more than 6 feet tall, complete in every respect, except for swords, shields, and one helmet. But after centuries underwater, the *Warriors* were corroded and covered with accretions. The clay cores from the casting process were still inside the bronzes, adding to the deterioration by absorbing lime and sea salts. To restore the *Warriors*, conservators first removed all the exterior corrosion and lime

encrustations using surgeon's scalpels, pneumatic drills, and high-technology equipment such as sonar (sound-wave) probes and micro-sanders. Then they painstakingly removed the clay core through existing holes in the heads and feet using hooks, scoops, jets of distilled water, and concentrated solutions of peroxide. Finally, they cleaned the figures thoroughly by soaking them in solvents, and they sealed them with a fixative specially designed for use on metals.

Since the *Warriors* were put on view in 1980, conservators have taken additional steps to ensure their preservation. In 1993, for example, a sonar probe mounted with two miniature video cameras found and blasted loose with sound waves the clay remaining inside the statues, which was then flushed out with water.

#### **CERAMIC PAINTING**

Greek potters and painters continued to work with the red-figure technique throughout the fifth century BCE, refining their ability to create supple, rounded figures, posed in ever more complicated and dynamic compositions. One of the most prolific Early Classical artists was Douris, whose signature appears on over 40 surviving pots, decorated with scenes from everyday life as well as from mythology. His conspicuous skill in composing complex figural scenes that respond to the complicated and irregular pictorial fields of a variety of vessel types is evident in a frieze of frisky satyrs that he painted c. 480 BCE around the perimeter of a psykter (FIG. 5-27). This strangely shaped pot was a wine cooler, made to float in a krater (see "A Closer Look," page 119) filled with chilled water, its extended bottom serving as a keel to keep it from tipping over.

Like the krater, the psykter was a vessel meant for use in exclusive male drinking parties—symposia—and the decoration was chosen with this context in mind. The acrobatic virtuosity of the satyrs is matched by the artist's own virtuosity in composing them as an interlocking set of diagonal gestures that alternately challenge and correspond with the bulging form around which they are



5-27 • Douris FROLICKING SATYRS

Red-figure decoration on a psykter. c. 480 BCE. Ceramic, height  $11^5 {\rm f_6}''$  (28.7 cm). British Museum, London.



# 5-28 • Douris A YOUTH POURING WINE INTO THE KYLIX OF A COMPANION

Red-figure decoration on a kylix. c. 480 BCE. Ceramic, height 12<sup>3</sup>/<sub>4</sub>" (32.4 cm). The Soprintendenza Speciale per i Beni Archeologici di Napoli e Pompei.

painted. The playful interaction of satyrs with their kylixes must have amused the tipsy revelers, especially when this pot was gently bobbing within the krater, making the satyrs seem to be walking around in circles on top of the wine. One satyr cups his kylix to his buttocks, juxtaposing convex and concave shapes. Another, balanced in a precarious handstand, seems to be observing his own reflection within the wine of his kylix.

But Douris was also capable of more lyrical compositions, as seen in the painting he placed within a kylix (FIG. 5–28), similar in shape to those used as props by the satyrs on the psykter. This tondo (circular painting) was an intimate picture. It became visible only to the user of the cup when he tilted up the kylix to drink from it; otherwise, sitting on a table, the painting would have been obscured by the dark wine pool within it. A languidly posed and elegantly draped youth stands behind an altar pouring wine from an oinochoe (wine jug) into the kylix of a more dignified, bearded older man. Euphronios' tentative essay in foreshortening Sarpedon's bent leg on his krater (see "A Closer Look," page 119) blossoms in the work of Douris to become full-scale formal projection as the graceful youth on this kylix bends his arm from the background to project his frontal oinochoe over the laterally held kylix of his seated companion.

For the well-educated reveler using this cup at a symposium, there were several possible readings for the scene he was observing. This could be the legendary Athenian king Kekrops, who appears, identified by inscription, in the scene Douris painted on the underside of the kylix. Also on the bottom of the cup are Zeus and the young Trojan prince Ganymede, whom the supreme god

abducted to Olympus to serve as his cup-bearer. Or, since the symposia themselves were the site of amorous conquests between older and younger men, the user of this cup might have found his own situation mirrored in what he was observing while he drank.

# THE HIGH CLASSICAL PERIOD, c. 450–400 BCE

The "High" Classical period of Greek art lasted only a half-century, 450 to 400 BCE. The use of the word "high" to qualify the art of this time reflects the value judgments of art historians who have considered this period a pinnacle of artistic refinement, producing works that set a standard of unsurpassed excellence. Some have even referred to this half-century as Greece's "Golden Age," although these decades were also marked by turmoil and destruction. Without a common enemy, Sparta and Athens turned on each other in a series of conflicts known as the Peloponnesian War. Sparta dominated the Peloponnese peninsula and much of the rest of mainland Greece, while Athens controlled the Aegean and became the wealthy and influential center of a maritime empire. Today we remember Athens more for its cultural and intellectual brilliance and its experiments with democratic government, which reached its zenith in the fifth century BCE under the charismatic leader Perikles (c. 495-429 BCE), than for the imperialistic tendencies of its considerable commercial power.

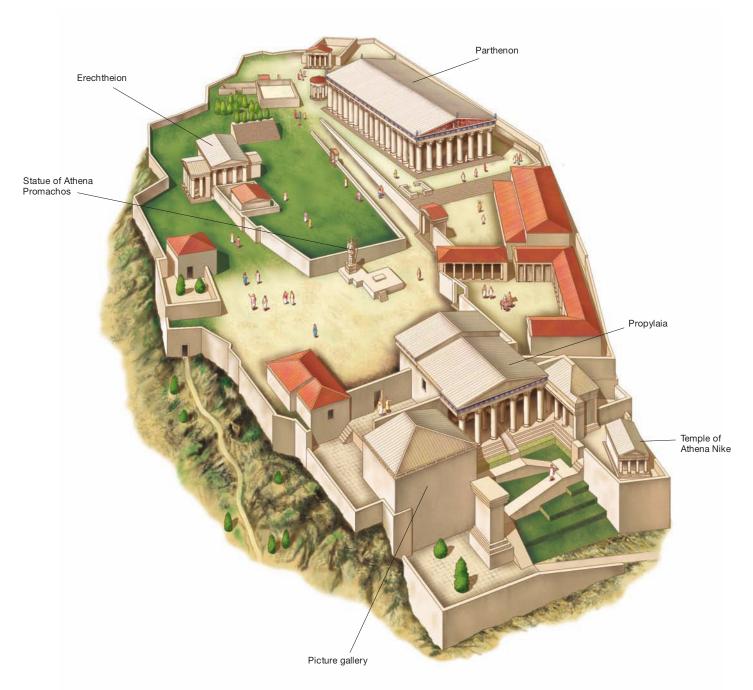
Except for a few brief interludes, Perikles dominated Athenian politics and culture from 462 BCE until his death in 429 BCE.

Although comedy writers of the time sometimes mocked him, calling him "Zeus" and "The Olympian" because of his haughty personality, he was a dynamic, charismatic political and military leader. He was also a great patron of the arts, supporting the use of Athenian wealth for the adornment of the city, and encouraging artists to promote a public image of peace, prosperity, and power. Perikles said of his city and its accomplishments: "Future generations will marvel at us, as the present age marvels at us now." It was a prophecy he himself helped fulfill.

### THE ACROPOLIS

Athens originated as a Neolithic **acropolis**, or "part of the city on top of a hill" (*akro* means "high" and *polis* means "city") that later served as a fortress and sanctuary. As the city grew, the Acropolis became the religious and ceremonial center devoted primarily to the goddess Athena, the city's patron and protector.

After Persian troops destroyed the Acropolis in 480 BCE, the Athenians vowed to keep it in ruins as a memorial, but Perikles convinced them to rebuild it, arguing that this project honored the



5-29 • MODEL/RECONSTRUCTION OF THE ACROPOLIS, ATHENS

c. 447-432 BCE.

**EXPLORE MORE:** Click the Google Earth link for the Acropolis www.myartslab.com



5-30 • RECREATION OF PHEIDIAS' HUGE GOLD AND IVORY FIGURE

Royal Ontario Museum, Toronto.

gods, especially Athena, who had helped the Greeks defeat the Persians. Perikles intended to create a visual expression of Athenian values and civic pride that would bolster the city's status as the capital of the empire he was instrumental in building. He placed his close friend Pheidias, a renowned sculptor, in charge of the rebuilding and assembled under him the most talented artists in Athens.

The cost and labor involved in this undertaking were staggering. Large quantities of gold, ivory, and exotic woods had to be imported. Some 22,000 tons of marble had to be transported 10 miles from mountain quarries to city workshops. Perikles was severely criticized by his political opponents for this extravagance, but it never cost him popular support. In fact, many working-class Athenians—laborers, carpenters, masons, sculptors, and the farmers and merchants who kept them supplied and fed—benefited from his expenditures.

Work on the **ACROPOLIS** continued after Perikles' death and was completed by the end of the fifth century BCE (FIG. 5–29). Visitors to the Acropolis in 400 BCE would have climbed a steep ramp on the west side of the hill (in the foreground of FIG. 5–29) to the sanctuary entrance, perhaps pausing to admire the small temple dedicated to Athena Nike (Athena as goddess of victory in war), poised on a projection of rock above the ramp. After passing

through an impressive porticoed gatehouse called the Propylaia, they would have seen a huge bronze figure of Athena Promachos (the Defender), designed and executed by Pheidias between about 465 and 455 BCE. Sailors entering the Athenian port of Piraeus, about 10 miles away, could see the sun reflected off her helmet and spear tip. Behind this statue was a walled precinct that enclosed the Erechtheion, a temple dedicated to several deities.

Religious buildings and votive statues filled the hilltop. On the right stood the largest building on the Acropolis—the Parthenon, a temple dedicated to Athena Parthenos (the Virgin). Visitors approached the temple from its northwest corner, seeing both its short and long side, instantly grasping the imposing size of this building, isolated like a work of sculpture elevated on a pedestal. With permission from the priests, they could have climbed the east steps to look into the cella, where they would have seen Pheidias' colossal gold and ivory statue of Athena—outfitted in armor and holding a shield in one hand and a winged Nike (Victory) in the other—which was installed in the temple and dedicated 438 BCE (FIG. 5–30).

### THE PARTHENON

Sometime around 490 BCE, Athenians had begun work on a temple to Athena Parthenos that was still unfinished when the Persians sacked the Acropolis a decade later. In 447 BCE Perikles commissioned the architects Kallikrates and Iktinos to design a larger temple using the existing foundation and stone elements. The finest white marble was used throughout—even on the roof, in place of the more usual terra-cotta tiles (FIG. 5–31). The planning and execution of the Parthenon (dedicated in 438 BCE) required extraordinary mathematical and mechanical skills and would have been impossible without a large contingent of distinguished architects and builders, as well as talented sculptors and painters. The result is as much a testament to the administrative skills as to the artistic vision of Pheidias, who supervised the entire project.

One key to the Parthenon's sense of harmony and balance is an attention to proportions—especially the ratio of 4:9, expressing the relationship of breadth to length and also the relationship of column diameter to space between columns. Also important are subtle refinements of design, deviations from absolute regularity to create a harmonious effect when the building was actually viewed. For example, since long, straight horizontal lines seem to sag when seen from a distance, base and entablature curve slightly upward to correct this optical distortion. The columns have a subtle swelling (entasis) and tilt inward slightly from bottom to top; the corners are strengthened visually by reducing the space between columns at those points. These subtle refinements in the arrangement of seemingly regular elements give the Parthenon a buoyant organic appearance and assure that it will not look like a heavy, lifeless stone box. The significance of their achievement was clear to its builders— Iktinos even wrote a book on the proportions of this masterpiece.

The sculptural decoration of the Parthenon reflects Pheidias' unifying aesthetic vision. At the same time, it conveys a number of

political and ideological themes: the triumph of the democratic Greek city-states over imperial Persia, the preeminence of Athens thanks to the favor of Athena, and the triumph of an enlightened Greek civilization over despotism and barbarism.

THE PEDIMENTS. As with most temples, sculpture in the round filled both pediments of the Parthenon, set on the deep shelf of the

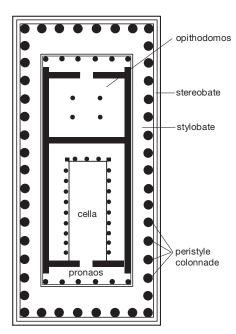
cornice and secured to the wall with metal pins. Unfortunately, much has been damaged or lost over the centuries (also see "Who Owns the Art?" page 135). Using the locations of the pinholes and weathering marks on the cornice, scholars have been able to determine the placement of surviving statues and infer the poses of missing ones. The west pediment sculpture, facing the entrance to the Acropolis, illustrated the contest Athena won over the sea god



5-31 • Kallikrates and Iktinos VIEW AND PLAN OF THE PARTHENON, ACROPOLIS

Athens. 447–432 BCE. Photograph: view from the northwest. Pantelic marble.

**EXPLORE MORE:** Click the Google Earth link for The Parthenon www.myartslab.com





5-32 • PHOTOGRAPHIC MOCK-UP OF THE EAST PEDIMENT OF THE PARTHENON (USING PHOTOGRAPHS OF THE EXTANT MARBLE SCULPTURE)

c. 447–432 BCE. The gap in the center represents the space that would have been occupied by the missing sculpture. The pediment is over 90 feet (27.45 m) long; the central space of about 40 feet (12.2 m) is missing.

Poseidon for rule over the Athenians. The east pediment figures, above the entrance to the cella, illustrated the birth of Athena, fully grown and clad in armor, from the brow of her father, Zeus.

The statues from the east pediment are the bestpreserved of the two groups (FIG. 5–32). Flanking the missing central figures—

probably Zeus seated on a throne with the newborn adult Athena standing at his side—were groups of three goddesses followed by single reclining male figures. In the left corner was the sun god Helios in his horse-drawn chariot rising from the sea, while at the right the moon goddess Selene descends in her chariot to the sea,

the head of her tired horse hanging over the cornice. The reclining male nude, who fits so easily into the left pediment, has been identified as either Herakles with his lion's skin or Dionysos (god of wine) lying on a panther skin. His easy pose conforms to the slope of the pediment without a hint of awkwardness. The two seated women may be the earth and grain goddesses Demeter and Persephone. The running female figure just to the left of center is Iris, messenger of the gods, already spreading the news of Athena's birth.

The three female figures on the right side, two sitting upright and one reclining, are probably Hestia (a sister of Zeus and the goddess of the hearth), Dione (one of Zeus's many consorts), and her daughter, Aphrodite. These monumental interlocked figures seem to be awakening from a deep sleep. The sculptor, whether Pheidias or someone working in his style, expertly rendered

#### 5-33 • LAPITH FIGHTING A CENTAUR

Metope relief from the Doric frieze on the south side of the Parthenon. c. 447–432 BCE. Marble, height 56" (1.42 m). British Museum, London.





the female form beneath the fall of draperies, which both cover and reveal their bodies. The clinging fabric also creates circular patterns rippling with a life of their own and uniting the three figures into a single mass.

THE DORIC FRIEZE. The all-marble Parthenon had two sculptured friezes, one above the outer peristyle and another atop the cella wall inside. The Doric frieze on the exterior had 92 metope reliefs depicting legendary battles, symbolized by combat between two representative figures: a centaur against a Lapith (a legendary people of pre-Hellenic times); a god against a Titan; a Greek against a Trojan; a Greek against an Amazon (members of the mythical tribe of female warriors sometimes said to be the daughters of the war god Ares). Each of these mythic struggles represented for the Greeks the triumph of reason over unbridled animal passion.

Among the best-preserved metope reliefs are several depicting the battle between Lapiths and centaurs from the south side of the Parthenon. The panel shown here (FIG. 5–33) presents a pause within the fluid struggle, a timeless image standing for an extended

historical episode. Forms are reduced to their most characteristic essentials, and so dramatic is the chiasmic (X-shaped) composition that we easily accept its visual contradictions. The Lapith is caught at an instant of total equilibrium. What could be a grueling tug-of-war between a man and a man-beast has been transformed into an athletic ballet, choreographed to show off the Lapith warrior's flexed muscles and graceful movements against the implausible backdrop of his carefully draped cloak.

THE PROCESSIONAL FRIEZE. Enclosed within the Parthenon's Doric peristyle, a continuous, 525-foot-long Ionic frieze ran along the exterior wall of the cella. The subject is a procession celebrating the festival that took place in Athens every four years, when the women of the city wove a new wool peplos and carried it to the Acropolis to clothe an ancient wooden cult statue of Athena.

In Pheidias' portrayal of this major event, the figures—skilled riders managing powerful steeds, for example (FIG. 5–34), or graceful but physically sturdy young walkers (FIG. 5–35)—seem to be representative types, ideal inhabitants of a successful city-state.



5-34 • HORSEMEN

Detail of the Procession, from the Ionic frieze on the north side of the Parthenon. c. 447–432 BCE. Marble, height  $41^34''$  (106 cm). British Museum, London.

## TECHNIQUE I "The Canon of Polykleitos"

Just as Greek architects defined and followed a set of standards for ideal temple design, Greek sculptors sought an ideal for representing the human body. Studying actual human beings closely and selecting those human attributes they considered most desirable, such as regular facial features, smooth skin, and particular body proportions, sculptors combined them into a single ideal of physical perfection.

The best-known theorist of the High Classical period was the sculptor Polykleitos of Argos. About 450 BCE, balancing careful observation with generalizing idealization, he developed a set of rules for constructing what he considered the ideal human figure, which he set down in a treatise called "The Canon" (*kanon* is Greek for "measure," "rule," or "law"). To illustrate his theory, Polykleitos created a larger-than-lifesize bronze statue of a standing man carrying a spear—perhaps the hero Achilles. Neither the treatise nor the original statue has survived, but both were widely discussed in the writings of his contemporaries, and later Roman artists made marble copies of the *Spear Bearer (Doryphoros)*. By studying these copies, scholars have tried to determine the set of measurements that defined ideal human proportions in Polykleitos' canon.

The canon included a system of ratios between a basic unit and the length of various body parts. Some studies suggest that this basic unit may have been the length of the figure's index finger or the width of its hand across the knuckles; others suggest that it was the height of the head from chin to hairline. The canon also included guidelines for *symmetria* ("commensurability"), by which Polykleitos meant the relationship of body parts to one another. In the *Spear Bearer*, he explored not only proportions, but also the relationships between weight-bearing and relaxed legs and arms in a perfectly balanced figure. The balancing of tense or supporting with relaxed or at ease elements in a figure is referred to as contrapposto.

The Roman marble copy of the *Spear Bearer* illustrated here shows a male athlete, perfectly balanced, with the whole weight of the upper body supported over the straight (engaged) right leg. The left leg is bent at the knee, with the left foot poised on the ball of the foot, suggesting preceding and succeeding movement. The pattern of tension and relaxation is reversed in the arrangement of the arms, with the right relaxed on the engaged side, and the left bent to support the weight of the (missing) spear. This dynamically balanced body pose—characteristic of High Classical standing figure sculpture—evolved out of the pose of the *Kritios Boy* (SEE FIG. 5–23) of a generation earlier. The tilt of the *Spear Bearer*'s hipline is a little more pronounced to accommodate the raising of the left foot onto its ball, and the head is turned toward the same side as the engaged leg.



Polykleitos SPEAR BEARER (DORYPHOROS) Roman copy after the original bronze of c. 450–440 BCE. Marble, height 6'11" (2.12 m); tree trunk and brace strut are Roman additions. National Archeological Museum, Naples.

The underlying message of the frieze as a whole is that the Athenians are a healthy, vigorous people, united in a democratic civic body looked upon with favor by the gods. The people are inseparable from and symbolic of the city itself.

As with the metope relief of the *Lapith Fighting a Centaur* (SEE FIG. 5–33), viewers of the processional frieze easily accept its disproportions, spatial compression and incongruities, and such implausible compositional features as men and women standing as tall

as rearing horses. Carefully planned rhythmic variations—indicating changes in the speed of the participants in the procession as it winds around the walls—contribute to the effectiveness of the frieze. Horses plunge ahead at full gallop; women proceed with a slow, stately step; parade marshals pause to look back at the progress of those behind them; and human-looking deities rest on conveniently placed benches as they await the arrival of the marchers.

In executing the frieze, the sculptors took into account the



# ART AND ITS CONTEXTS

### Who Owns the Art? The Elgin Marbles and the Euphronios Krater

At the beginning of the nineteenth century, Thomas Bruce, the British earl of Elgin and ambassador to Constantinople, acquired much of the surviving sculpture from the Parthenon, which was at that time being used for military purposes. He shipped it back to London in 1801 to decorate a lavish mansion for himself and his wife; but by the time he returned to England, his wife had left him and the ancient treasures were at the center of a financial dispute and had to be sold. Referred to as the Elgin Marbles, most of the sculpture is now in the British Museum, including all the elements seen in FIGURE 5–32. The Greek government has tried unsuccessfully to have the Elgin Marbles returned.

Recently, another Greek treasure has been in the news. In 1972, a krater, painted by Euphronios and depicting the death of the warrior

Sarpedon during the Trojan War, had been purchased by the Metropolitan Museum of Art in New York (see "Closer Look," page 119). Museum officials were told that it had come from a private collection, and it became the centerpiece of the museum's galleries of Greek vessels. But in 1995, Italian and Swiss investigators raided a warehouse in Geneva, Switzerland, where they found documents showing that the krater had been stolen from an Etruscan tomb near Rome. The Italian government demanded its return. The controversy was only resolved in 2006. The krater, along with other objects known to have been stolen from other Italian sites, were returned, and the Metropolitan Museum will display pieces "of equal beauty" under long-term loan agreements with Italy.

spectators' low viewpoint and the dim lighting inside the peristyle. They carved the top of the frieze band in higher relief than the lower part, thus tilting the figures out to catch the reflected light from the pavement, permitting a clearer reading of the action. The subtleties in the sculpture may not have been as evident to Athenians

in the fifth century BCE as they are now, because the frieze, seen at the top of a high wall and between columns, was originally completely painted. Figures in red and ocher, accented with glittering gold and real metal details, were set against a contrasting background of dark blue.



5-35 • MARSHALS AND YOUNG WOMEN

Detail of the procession, from the Ionic frieze on the east side of the Parthenon. c. 447–432 BCE. Marble, height 3'6" (1.08 m). Musée du Louvre, Paris.

### THE PROPYLAIA AND THE ERECHTHEION

Upon completion of the Parthenon, Perikles commissioned an architect named Mnesikles to design a monumental gatehouse, the Propylaia (FIG. 5–36). Work began in 437 and then stopped in 432 BCE, with the structure still incomplete. The Propylaia had no sculptural decoration, but its north wing was originally a dining hall that later became the earliest known museum (meaning "home of the Muses"), a gallery built specifically to house a collection of paintings for public view.

The designer of the **ERECHTHEION** (FIG. 5–37), the second important temple erected on the Acropolis under Perikles' building program, is unknown. Work began on the building in 421 BCE and ended in 405 BCE, just before the fall of Athens to Sparta. The asymmetrical plan on several levels reflects the building's multiple functions in housing many different shrines, and it also conformed to the sharply sloping terrain on which it is located. The

Erechtheion stands on the site of the mythical contest between the sea god Poseidon and Athena for patronage over Athens. During this contest, Poseidon struck a rock with his trident (three-pronged harpoon), bringing forth a spout of water, but Athena gave an olive tree to Athens and won the contest. The Athenians enclosed what they believed to be this sacred rock, bearing the marks of the trident, in the Erechtheion's north porch. The Erechtheion also housed the venerable wooden cult statue of Athena that was the center of the Panathenic festival.

The north and east porches of the Erechtheion have come to epitomize the Ionic order, serving as an important model for European architects since the eighteenth century. Taller and more slender in proportion that the Doric, the Ionic order also has richer and more elaborately carved decoration (see "The Greek Orders," page 110). The columns rise from molded bases and end in volute (spiral) capitals; the frieze is continuous.



5-36 • THE MONUMENTAL ENTRANCE TO THE ACROPOLIS

The Propylaia (Mnesikles) with the Temple of Athena Nike (Kallikrates) on the bastion at the right. c. 437-423 BCE.



5-37 • ERECHTHEION

Acropolis, Athens. 421–406 BCE. View from the east. Porch of the Maidens at left; the north porch can be seen through the columns of the east wall.

**EXPLORE MORE:** Click the Google Earth link for Erechtheion www.myartslab.com

The **PORCH OF THE MAIDENS** (FIG. 5–38), on the south side facing the Parthenon, is even more famous. Raised on a high base, its six stately caryatids support simple Doric capitals and an Ionic entablature made up of bands of carved molding. In a pose characteristic of Classical figures, each caryatid's weight is supported on one engaged leg, while the free leg, bent at the knee, rests on the ball of the foot. The three caryatids on the left have their right legs engaged, and the three on the right have their left legs engaged, creating a sense of closure, symmetry, and rhythm.

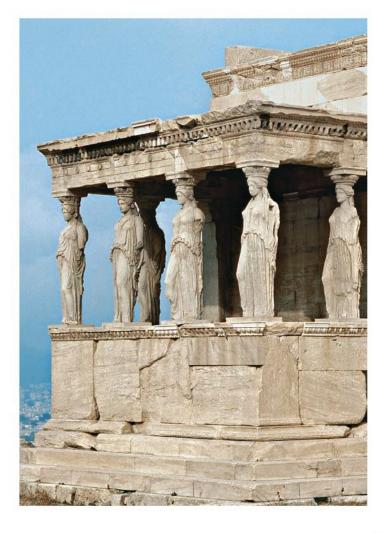
### THE TEMPLE OF ATHENA NIKE

The Ionic Temple of Athena Nike (victory in war), located south of the Propylaia, was designed and built about 425 BCE, probably by Kallikrates (SEE FIG. 5–36). Reduced to rubble during the Turkish occupation of Greece in the seventeenth century CE, the temple has since been rebuilt. Its diminutive size—about 27 by 19

# 5-38 $\bullet$ PORCH OF THE MAIDENS (SOUTH PORCH), ERECHTHEION

Acropolis, Athens. Temple 430s-406 BCE; porch c. 420-410 BCE.

**EXPLORE MORE:** Click the Google Earth link for the Porch of the Maidens www.myartslab.com





**5-39 • NIKE (VICTORY) ADJUSTING HER SANDAL** Fragment of relief decoration from the parapet (now destroyed), Temple of Athena Nike, Acropolis, Athens. Last quarter of the 5th century (perhaps 410–405) BCE. Marble, height 3'6" (1.06 m). Acropolis Museum, Athens.

feet—and refined Ionic decoration are in marked contrast to the weightier Doric Propylaia adjacent to it.

Between 410 and 405 BCE, this temple was surrounded by a parapet or low wall, faced with sculptured panels depicting Athena presiding over the preparation of a celebration by winged Nikes (victory figures). The parapet no longer exists, but some panels have survived, including the greatly admired NIKE (VICTORY) ADJUSTING HER SANDAL (FIG. 5–39). The figure bends forward gracefully, allowing her *chiton* to slip off one shoulder. Her large overlapping wings effectively balance her unstable pose. Unlike the decorative swirls of heavy fabric covering the Parthenon goddesses, or the weighty, pleated robes of the Erechtheion caryatids, the textile covering this Nike appears delicate and light, clinging to her body like wet silk, one of the most discreetly erotic images in ancient art.

### THE ATHENIAN AGORA

In Athens, as in most cities of ancient Greece, commercial, civic, and social life revolved around the marketplace, or **agora**. The

Athenian Agora, at the foot of the Acropolis, began as an open space where farmers and artisans displayed their wares. Over time, public and private structures were erected on both sides of the Panathenaic Way, a ceremonial road used during an important festival in honor of Athena (FIG. 5–40). A stone drainage system was installed to prevent flooding, and a large fountain house was built to provide water for surrounding homes, administrative buildings, and shops (see "Women at a Fountain House," opposite). By 400 BCE, the Agora contained several religious and administrative structures and even a small racetrack. The Agora also had the city mint, its military headquarters, and two buildings devoted to court business.

In design, the stoa, a distinctively Greek structure found nearly everywhere people gathered, ranged from a simple roof held up by columns to a substantial, sometimes architecturally impressive, building with two stories and shops along one side. Stoas offered protection from the sun and rain, and provided a place for strolling and talking business, politics, or philosophy. While city business could be, and often was, conducted in the stoas, agora districts also came to include buildings with specific administrative functions.

In the Athenian Agora, the 500-member *boule*, or council, met in a building called the *bouleuterion*. This structure, built before 450 BCE but probably after the Persian destruction of Athens in 480 BCE, was laid out on a simple rectangular plan with a vestibule and large meeting room. Near the end of the fifth century BCE, a new *bouleuterion* was constructed to the west of the old one. This too had a rectangular plan. The interior, however, may have had permanent tiered seating arranged in an ascending semicircle around a ground-level **podium**, or raised platform.

Nearby was a small, round building with six columns supporting a conical roof, a type of structure known as a **tholos**. Built about 465 BCE, this tholos was the meeting place of the 50-member executive committee of the boule. The committee members dined there at the city's expense, and a few of them always spent the night there in order to be available for any pressing business that might arise.

Private houses surrounded the Agora. Compared with the often grand public buildings, houses of the fifth century BCE in Athens were rarely more than simple rectangular structures of stucco-faced mud brick with wooden posts and lintels supporting roofs of terra-cotta tiles. Rooms were small and included a dayroom in which women could sew, weave, and do other chores, a dining room with couches for reclining around a table, a kitchen, bedrooms, and occasionally an indoor bathroom. Where space was not at a premium, houses sometimes opened onto small courtyards or porches.

#### CITY PLANS

In older Greek cities such as Athens, buildings and streets developed in conformance to the needs of their inhabitants and the requirements of the terrain. As early as the eighth century BCE,



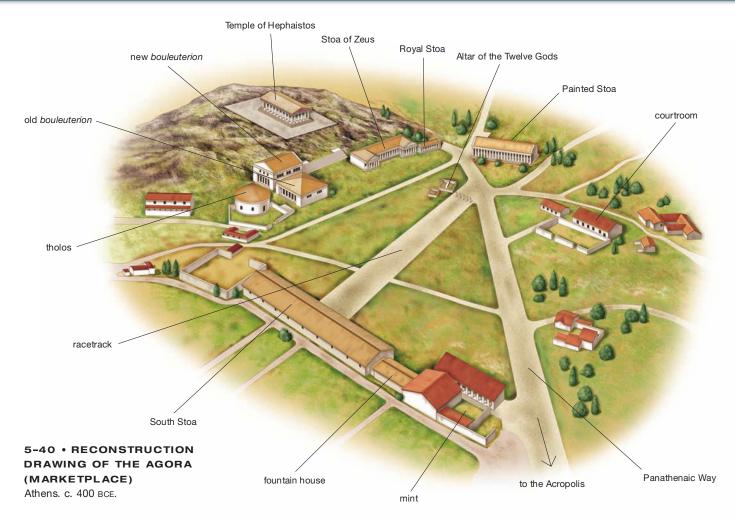
# ART AND ITS CONTEXTS

### Women at a Fountain House

The Archaic period ceramic artist known as the Priam Painter has given us an insight into Greek city life in the agora by painting a Greek fountain house in use on a black-figure **hydria** (water jug). Since most women in ancient Greece were confined to their homes, their daily trip to the communal well or fountain house was an important event. At a fountain house, in the shade of a Doric-columned porch, three women fill hydriae just like the one on which they are painted. A fourth balances her empty jug on her head as she waits, while a fifth woman, without a jug, seems to be waving a greeting to someone. The building is designed like a stoa, open on one side, but having animal-head spigots on three walls. The Doric columns support a Doric entablature with an architrave above the colonnade and a colorful frieze—here black-and-white blocks replace carved metopes. The circular **palmettes** (fan-shaped petal designs) framing the main scenes suggest a rich and colorful civic center.

Priam Painter **WOMEN AT A FOUNTAIN HOUSE** 520–510 BCE. Black-figure decoration on a hydria. Ceramic, height of hydria 20<sup>7</sup> & (53 cm). Museum of Fine Arts, Boston. William Francis Warden Fund (61.195)





however, builders in some western Greek settlements began to use a mathematical concept of urban development based on the **orthogonal** (or **grid**) **plan**. New cities or rebuilt sections of old cities were laid out on straight, evenly spaced parallel streets that intersected at right angles to create rectangular blocks. These blocks were then subdivided into identical building plots.

During the Classical period, Hippodamos of Miletos, a major urban planner of the fifth century BCE, held views on the reasoned perfectibility of urban design akin to those of the Athenian



philosophers (such as Socrates) and artists (such as Polykleitos). He believed the ideal city should be limited to 10,000 citizens divided into three classes—artists, farmers, and soldiers—and three zones—sacred, public, and private. The basic Hippodamian plot was a square 600 feet on each side, divided into quarters. Each quarter was subdivided into six rectangular building plots measuring 100 by 150 feet on a side, a scheme still widely used in American and European cities and suburbs.

Orthogonal plans obviously work best when laid out on relatively flat land. But the Greeks applied orthogonal planning even in less hospitable terrain, such as that of the Ionian city of Priene, which lies on a rugged hillside in Asia Minor. In this case, the city's planners made no attempt to accommodate their grid to the irregular mountainside, meaning that some streets are in fact stairs.

#### STELE SCULPTURE

Upright stone slabs called stelae (singular, stele) were used in Greek cemeteries as gravestones, carved in low relief with an image (actual or allegorical) of the person(s) to be remembered. Instead of the proud warriors or athletes used in the Archaic period, however, Classical stelae place figures in personal or domestic contexts that often feature women and children. A touching mid-fifth-century BCE example found on the island of Paros portrays a sweet young girl, seemingly bidding farewell to her pet birds, one of which she kisses on the beak (FIG. 5-41). She wears a loose peplos, which parts at the side to disclose the tender flesh underneath and clings elsewhere over her body to reveal its three-dimensional form. The extraordinary carving recalls the contemporary reliefs of the Parthenon frieze, and like them, this stele would have been painted with color to provide details such as the straps of the girl's sandals or the feathers on her beloved birds.

Another, somewhat later, stele commemorates the relationship between a couple, identified by name across an upper frieze resting on two Doric pilasters (FIG. 5–42). The husband Ktesilaos stands casually with crossed legs and joined hands, gazing at his wife Theano, who sits before him on a bench, pulling at her gauzy wrap with her right hand in a gesture that is often associated with Greek brides. Presumably this was a tombstone for a joint grave, since both names are inscribed on it, but we do not know which of the two might have died first, leaving behind a mate to mourn and memorialize by commissioning this stele. The air of introspective melancholy here, as well as the softness and delicacy of both flesh and fabric, seem to point forward, out of the High Classical period and into the increased sense of narrative and delicacy that was to characterize the fourth century BCE.

5-41 • GRAVE STELE OF A LITTLE GIRL

c. 450–440 BCE. Marble, height  $31^{1}2''$  (80 cm). Metropolitan Museum of Art, New York.



**5-42 • GRAVE STELE OF KTESILAOS AND THEANO**c. 400 BCE. Marble, height 365 %" (93 cm).
National Archaeological Museum, Athens.

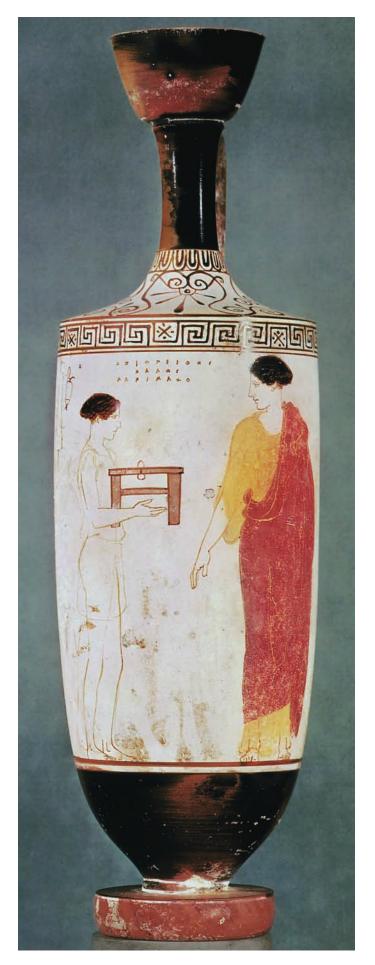
#### **PAINTING**

The Painted Stoa built on the north side of the Athenian Agora (SEE FIG. 5–40) about 460 BCE is known to have been decorated with paintings (hence its name) by the most famous artists of the time, including Polygnotos of Thasos (active c. 475–450 BCE). His contemporaries praised his talent for creating the illusion of spatial recession in landscapes, rendering female figures clothed in transparent draperies, and conveying through facial expressions the full range of human emotions. Ancient writers described his painting, as well as other famous works, enthusiastically, but nothing survives for us to see.

White-ground ceramic painting, however, may echo the style of lost contemporary wall and panel painting. The **white-ground** 

technique had been used as early as the seventh century BCE. Painters first applied refined white slip as the ground on which they painted designs with liquid slip. High Classical white-ground painting was far more complex than earlier efforts and became a specialty of Athenian potters. Artists enhanced the fired vessel with a full range of colors using paints made by mixing tints with white clay, and also using **tempera**, an opaque, water-based medium mixed with glue or egg white. This fragile decoration deteriorated easily, and for that reason seems to have been favored for funerary, votive, and other nonutilitarian vessels.

Tall, slender, one-handled white-ground **lekythoi** were used to pour libations during religious rituals. Some convey grief and loss, with scenes of departing figures bidding farewell. Others



depict grave stelae draped with garlands. Still others envision the deceased returned to the prime of life and engaged in a seemingly everyday activity. A white-ground lekythos, dated about 450–440 BCE, shows a young servant girl carrying a stool for a small chest of valuables to a well-dressed woman of regal bearing, the dead person whom the vessel memorializes (FIG. 5–43). As on the *Stele of Ktesilaos and Theano* (SEE FIG. 5–42), the scene portrayed here contains no overt signs of grief, but a quiet sadness pervades it. The two figures seem to inhabit different worlds, their glances somehow failing to meet.

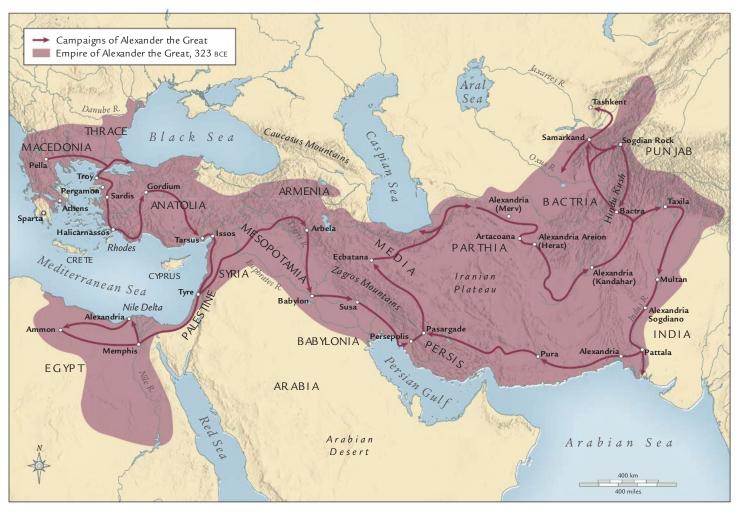
# THE LATE CLASSICAL PERIOD, c. 400–323 BCE

After the Spartans defeated Athens in 404 BCE, they set up a pro-Spartan government so oppressive that within a year the Athenians rebelled against it, killed its leader, Kritias, and restored democracy. Athens recovered its independence and its economy revived, but it never regained its dominant political and military status. It did, however, retain its reputation as a center of artistic and intellectual life. In 387 BCE, the great philosopher-teacher Plato founded a school just outside Athens, as his student Aristotle did later. Among Aristotle's students was young Alexander of Macedon, known to history as Alexander the Great.

In 359 BCE, a crafty and energetic warrior, Philip II, had come to the throne of Macedon. In 338, he defeated Athens and rapidly conquered the other Greek cities. When he was assassinated two years later, his kingdom passed to his 20-year-old son, Alexander, who consolidated his power and led a united Greece in a war of revenge and conquest against the Persians. In 334 BCE, he crushed the Persian army and conquered Syria and Phoenicia. By 331, he had occupied Egypt and founded the seaport he named Alexandria. The Egyptian priests of Amun recognized him as the son of a god, an idea he readily adopted. That same year, he reached the Persian capital of Persepolis and continued east until reaching present-day Pakistan in 326 BCE; his troops then refused to go any farther (MAP 5–2). On the way home, Alexander died of a fever in 323 BCE. He was only 33 years old.

Changing political conditions never seriously dampened the Greeks' artistic creativity. Indeed, artists experimented widely with new subjects and styles. Although they maintained a Classical approach to composition and form, they relaxed its conventions, supported by a sophisticated new group of patrons drawn from the courts of Philip and Alexander, wealthy aristocrats in Asia Minor, and foreign aristocrats eager to import Greek works and, sometimes, Greek artists.

**5–43** • Style of the Achilles Painter WOMAN AND MAID c. 450–440 BCE. White-ground lekythos. Ceramic, with additional painting in tempera, height 1516" (38.4 cm). Museum of Fine Arts, Boston. Francis Bartlett Donation of 1912 (13.201)



MAP 5-2 HELLENISTIC GREECE

Alexander the Great created a Greek empire that extended from the Greek mainland and Egypt across Asia Minor and as far east as India.

#### SCULPTURE

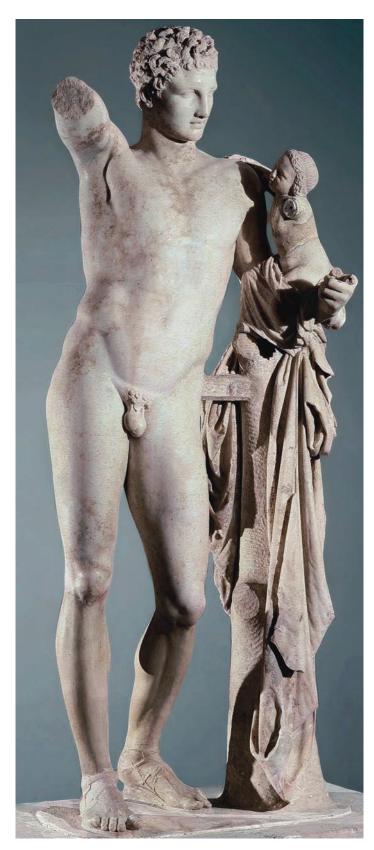
Throughout the fifth century BCE, sculptors accepted and worked within standards established by Pheidias and Polykleitos at mid century for the ideal proportions and idealized forms of the human figure. But fourth-century BCE artists began to challenge and modify those standards. On mainland Greece, in particular, a new canon of proportions emerged for male figures—now eight or more "heads" tall rather than the six-and-a-half or seven-head height of earlier works. The calm, noble detachment characteristic of High Classical figures gave way to more sensitively rendered images of men and women with expressions of wistful introspection, dreaminess, even fleeting anxiety or lightheartedness. This period also saw the earliest depictions of fully nude women in major works of art.

PRAXITELES. According to the Greek traveler Pausanias, writing in the second century CE, the Late Classical sculptor Praxiteles (active in Athens from about 370 to 335 BCE or later) carved a "Hermes of stone who carries the infant Dionysos" for the Temple of Hera at Olympia. In 1875, just such a statue depicting the messenger god Hermes teasing the baby Dionysos with a bunch of grapes was

discovered in the ruins of this temple (FIG. 5–44). Initially accepted as an original work of Praxiteles because of its high quality, recent studies hold that it is probably a very good Roman or Hellenistic copy.

The sculpture highlights the differences between the fourth-and fifth-century BCE Classical styles. Hermes has a smaller head and a more sensual and sinuous body than Polykleitos' *Spear Bearer* (see "The Canon of Polykleitos," page 134). His off-balance, S-curving pose, requires him to lean on a post—a clear contrast with the balanced posture of Polykleitos' work. Praxiteles also created a sensuous play of contrasting textures over the figure's surface, juxtaposing the gleam of smooth flesh with crumpled draperies and rough locks of hair. Praxiteles humanizes his subject with a hint of narrative—two gods, one a loving adult and the other a playful child, caught in a moment of absorbed companionship.

Around 350 BCE, Praxiteles created a daring statue of Aphrodite for the city of Knidos in Asia Minor. Although artists of the fifth century BCE had begun to hint boldly at the naked female body beneath tissue-thin drapery, as in *Nike Adjusting her Sandal* (SEE FIG. 5–39), this Aphrodite was apparently the first statue by a well-known Greek sculptor to depict a fully nude woman, and it set a



5-44 • Praxiteles or his followers HERMES AND THE INFANT DIONYSOS

Probably a Hellenistic or Roman copy after a Late Classical 4th-century BCE original. Marble, with remnants of red paint on the lips and hair, height 7'1" (2.15 m). Archaeological Museum, Olympia.



**5-45** • Praxiteles **APHRODITE OF KNIDOS**Composite of two similar Roman copies after the original marble of

composite of two similar Roman copies after the original marble of c. 350 BCE. Marble, height 6'8" (2.04 m). Vatican Museums, Museo Pio Clementino, Gabinetto delle Maschere, Rome.

The head of this figure is from one Roman copy, the body from another. Seventeenth- and eighteenth-century ce restorers added the nose, the neck, the right forearm and hand, most of the left arm, and the feet and parts of the legs. This kind of restoration would rarely be undertaken today, but it was frequently done and considered quite acceptable in the past, when archaeologists were trying to put together a body of work documenting the appearances of lost Greek statues.

**EXPLORE MORE:** Gain insight from a primary source related to Praxiteles' *Aphrodite of Knidos* 

www.myartslab.com

new standard (FIG. 5–45). Although nudity among athletic young men was admired in Greek society, nudity among women was seen as a sign of low character. The eventual wide acceptance of female nudes in large statuary may be related to the gradual merging of the Greeks' concept of their goddess Aphrodite with some of the characteristics of the Phoenician goddess Astarte (the Babylonian Ishtar), who was nearly always shown nude in Near Eastern art.

In the version of Praxiteles' statue seen here (actually a composite of two Roman copies), the goddess is preparing to take a bath, with a water jug and her discarded clothing at her side. Her hand is caught in a gesture of modesty that only calls attention to her nudity. The bracelet on her upper left arm has a similar effect. Her strong and well-toned body leans forward slightly, with one projecting knee in a seductive pose that emphasizes the swelling forms of her thighs and abdomen. According to an old legend, the sculpture was so realistic that Aphrodite herself journeyed to Knidos to see it and cried out in shock, "Where did Praxiteles see me naked?" The Knidians were so proud of their Aphrodite that they placed it in an open shrine where people could view it from every side. Hellenistic and Roman copies probably numbered in the hundreds, and nearly 50 survive in various collections today.

LYSIPPOS. Compared to Praxiteles, more details of Lysippos' life are known, and, although none of his original works has survived, there are many copies of the sculpture he produced between c. 350 and 310 BCE. He claimed to be entirely self-taught and asserted that "nature" was his only model, but he must have received some technical training in the vicinity of his home, near Corinth. He expressed great admiration for Polykleitos, but his own figures reflect a different ideal and different proportions. For his famous portrayal of a man scraping himself (APOXYOMENOS), known today only from Roman copies (FIG. 5–46), he chose a typical Classical subject, a nude male athlete. But instead of a figure actively engaged in his sport, striding, or standing at ease, Lysippos depicted a young man after his workout, methodically removing oil and dirt from his body with a scraping tool called a *strigil*.

The Man Scraping Himsel f tall and slender with a relatively small head, makes a telling comparison with Polykleitos' Spear Bearer (see "The Canon of Polykleitos," page 134). Not only does it reflect a different canon of proportions, but the legs are in a wider stance to counterbalance the outstretched arms, and there is a pronounced curve to his posture. The Spear Bearer is contained within fairly simple, compact contours and oriented toward a center front viewer. In contrast, the arms of the Man Scraping Himsel fbreak free into the surrounding space, inviting the viewer to move around the statue to absorb its full aspect. Roman authors, who may have been describing the bronze original rather than a marble copy, remarked on the subtle modeling of the statue's elongated body and the spatial extension of its pose.

Lysippos was widely admired for monumental bronze statues of Herakles (Hercules) and Zeus. Neither survives, but his statue of the weary Herakles, leaning on his club (resting after the last of



5-46 • Lysippos MAN SCRAPING HIMSELF (APOXYOMENOS)

Roman copy after the original bronze of c. 350–325 BCE. Marble, height 6'9" (2.06 m). Vatican Museums, Museo Pio Clementino, Gabinetto dell'Apoxyomenos, Rome.



5-47 • Lysippos THE WEARY HERAKLES (FARNESE HERCULES)

A Roman copy by Glykon of the 4th-century BCE bronze original. Marble, height 10'6" (3.17 m). National Archeological Museum, Naples.

his Twelve Labors) and holding the apples of the Hesperides, is known from an early third-century CE Roman copy, signed by the Athenian sculptor Glykon (FIG. 5–47). The Romans greatly admired Lysippos' heroic figure, and the marble copy was made for the Baths of Caracalla. In the Renaissance the sculpture was part of the Farnese collection in Rome, where it stood in the courtyard of the family's palace and was studied by artists from all over Europe. It has since been dubbed the *Farnese Hercules*.

When Lysippos was summoned to create a portrait of Alexander the Great, he portrayed Alexander as a full-length standing figure with an upraised arm holding a scepter, the same way he posed Zeus. Based on description and later copies, we know Lysippos idealized the ruler as a ruggedly handsome, heavy-featured young man with a large Adam's apple and short, tousled hair. According to the Roman historian Plutarch, Lysippos presented Alexander in a meditative pose, "with his face turned upward toward the sky, just as Alexander himself was accustomed to gaze, turning his neck gently to one side" (Pollitt, p. 20). Perhaps he was caught contemplating grave decisions, waiting to receive divine advice.

#### THE ART OF THE GOLDSMITH

The detailed, small-scale work of Greek goldsmiths followed the same stylistic trends and achieved the same high standards of technique and execution characterizing other arts. A specialty of Greek goldsmiths was the design of earrings in the form of tiny works of sculpture. They were often placed on the ears of marble statues of goddesses, but they adorned the ears of living women as well. Earrings dated about 330—300 BCE depict the youth Ganymede caught in the grasp of an eagle (Zeus) (FIG. 5–48), a surprising subject for a decorative item (this is a scene of abduction) and a technical *tour-de-fræ*. Slightly more than 2 inches high, they were hollow-cast using the lost-wax process, no doubt to make them light on the ear. Despite their small size, the earrings convey some of the drama of their subject, evoking swift movement through space.

#### PAINTING AND MOSAICS

Roman observers such as Pliny the Elder praised Greek painters for their skill in capturing the appearance of the real world. Roman patrons also admired Greek murals, and they commissioned copies, in fresco or **mosaic**, to decorate their homes. (Mosaics—created from **tesserae**, small cubes of colored stone or marble—provide a permanent waterproof surface that the Romans used for floors in important rooms.) A first-century CE Roman mosaic, **ALEXANDER THE GREAT CONFRONTS DARIUS III AT THE BATTLE OF ISSOS (FIG. 5–49)**, for example, replicates a Greek painting of about 310 BCE. Pliny the Elder mentions a painting of this subject by Philoxenos of Eretria, but a new theory claims the original as a work of Helen of Egypt (see "Women Artists in Ancient Greece," page 148).

Such copies document a growing taste for dramatic narrative subjects in late fourth-century BCE Greek painting. Certainly the scene here is one of violent action, where diagonal disruption and radical foreshortening draw the viewer in and elicit an emotional response. Astride a rearing horse at the left, his hair blowing free and his neck bare, Alexander challenges the helmeted and armored Persian leader, who stretches out his arm in a gesture of defeat and apprehension as his charioteer whisks him back toward safety within the Persian ranks. The mosaicist has created an illusion of solid figures through modeling, mimicking the play of light on three-dimensional surfaces by highlights and shading.

The interest of fourth-century BCE artists in creating believable illusions of the real world was the subject of anecdotes repeated by later writers. One popular legend involved a floral



**5-48 • EARRINGS**c. 330–300 BCE. Hollow-cast gold, height 2<sup>3</sup> g" (6 cm). The Metropolitan Museum of Art, New York.
Harris Brisbane Dick Fund, 1937 (37.11.9–10)



**5-49 • ALEXANDER THE GREAT CONFRONTS DARIUS III AT THE BATTLE OF ISSOS** Floor mosaic, Pompeii, Italy. 1st-century ce Roman copy of a Greek wall painting of c. 310 BCE, perhaps by Philoxenos of Eretria or Helen of Egypt. Entire panel  $8'10'' \times 17'$  (2.7  $\times$  5.2 m). National Archeological Museum, Naples.



## ART AND ITS CONTEXTS

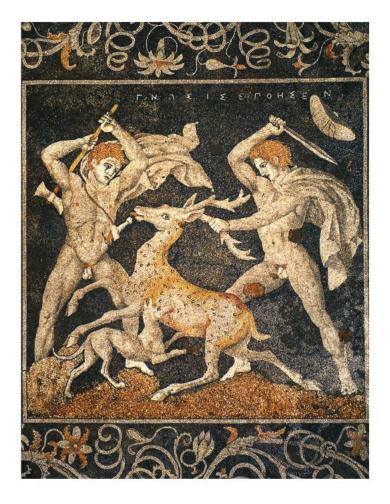
## Women Artists in Ancient Greece

Although comparatively few artists in ancient Greece were women, there is evidence that women artists worked in many media. Ancient writers noted women painters—Pliny the Elder, for example, listed Aristarete, Eirene, Iaia, Kalypso, Olympias, and Timarete. Helen, a painter from Egypt who had been taught by her father, is known to have worked in the fourth century BCE and may have been responsible for the original Greek wall painting of c. 310 BCE of Alexander the Great Confronts Darius III at the Battle of Issos (SEE FIG. 5–49).

Greek women excelled in creating narrative or pictorial tapestries. They also worked in ceramic workshops. This hydria dating from about 450 BCE shows a woman artist in such a workshop, but her status is ambiguous. The composition focuses on the male painters, who are being approached by Nikes (Victories) bearing wreaths symbolizing victory in an artistic competition. A well-dressed woman sits on a raised dais, painting the largest vase in the workshop. She is isolated from the other artists as well as from the awards ceremony. Perhaps women were excluded from public artistic competitions, as they were from athletics. But could this woman be the head of this workshop? Secure in her own status, she may have encouraged her assistants to enter contests to further their careers and bring glory to her enterprise.



The Leningrad Painter CERAMIC PAINTER AND ASSISTANTS CROWNED BY ATHENA AND VICTORIES c. 450 BCE. Red-figure decoration on a hydria from Athens. Private collection, Milan.



designer named Glykera—widely praised for her artistry in weaving blossoms and greenery into wreaths, swags, and garlands for religious processions and festivals—and Pausias—the foremost painter of his day Pausias challenged Glykera to a contest, claiming that he could paint a picture of one of her complex works that would appear as lifelike to the spectator as her real one. According to the legend, he succeeded. It is not surprising, although perhaps unfair, that the opulent floral borders so popular in later Greek painting and mosaics are described as "Pausian" rather than "Glykeran."

A Pausian design frames a mosaic floor from a palace at Pella (Macedonia), dated about 300 BCE (FIG. 5–50). The floor features a series of hunting scenes, such as the *Stag Hunt* seen here, prominently signed by an artist named Gnosis. The blossoms, leaves, spiraling tendrils, and twisting, undulating stems that frame this scene, echo the linear patterns formed by the hunters, the dog, and the struggling stag. The human and animal figures are modeled in light and shade, and the dog's front legs are expertly foreshortened to create the illusion that the animal is turning at a sharp angle into the picture. The work is all the more impressive because it was not made with uniformly cut marble in different colors, but with a carefully selected assortment of natural pebbles.

#### 5-50 • Gnosis STAG HUNT

Detail of mosaic floor decoration from Pella, Macedonia (in present-day Greece). 300 BCE. Pebbles, height  $10^{\prime}2^{\prime\prime}$  (3.1 m). Archaeological Museum, Pella. Signed at top: "Gnosis made it."

# THE HELLENISTIC PERIOD, 323–31/30 BCE

When Alexander died unexpectedly at age 33 in 323 BCE, he left a vast empire with no administrative structure and no accepted successor. Almost immediately his generals turned against one another, local leaders tried to regain their lost autonomy, and the empire began to break apart. By the early third century BCE, three of Alexander's generals—Antigonus, Ptolemy, and Seleucus—had carved out kingdoms. The Antigonids controlled Macedonia and mainland Greece; the Ptolemies ruled Egypt; and the Seleucids controlled Asia Minor, Mesopotamia, and Persia.

Over the course of the second and first centuries BCE, these kingdoms succumbed to the growing empire centered in Rome. Ptolemaic Egypt endured the longest, and its capital Alexandria, flourished as a prosperous seaport and great center of learning and the arts. Its library is estimated to have contained 700,000 papyrus and parchment scrolls. The Battle of Actium in 31 BCE and the death in 30 BCE of Egypt's last ruler, the remarkable Cleopatra, marks the end of the Hellenistic period.

Alexander's lasting legacy was the spread of Greek culture far beyond its original borders, but artists of the Hellenistic period developed visions discernibly distinct from those of their Classical Greek predecessors. Where earlier artists sought to codify a generalized artistic ideal, Hellenistic artists shifted focus to the individual and the specific. They turned increasingly away from the heroic to the everyday, from gods to mortals, from aloof serenity to individual emotion, and from decorous drama to emotional melodrama. Their works appeal to the senses through luscious or lustrous surface treatments and to our hearts as well as our intellects through expressive subjects and poses. Although such

tendencies are already evident during the fourth century BCE, they become more pronounced in Hellenistic art.

#### THE CORINTHIAN ORDER IN HELLENISTIC ARCHITECTURE

Even the architecture of the Hellenistic period reflected the contemporary taste for high drama. A variant of the Ionic order featuring tall, slender columns with elaborate foliate capitals challenged the dominant Doric and Ionic orders (see "The Greek Orders," page 110). Invented in the late fifth century BCE and called Corinthian by the Romans, this highly decorative system had previously been reserved for interiors. In the Corinthian capital, curly acanthus leaves and coiled flower spikes surround a basket-shaped core. Above the capitals, the Corinthian entablature, like the Ionic, has a stepped-out architrave and a continuous frieze, but it includes additional bands of carved moldings. The Corinthian design became a symbol of elegance and refinement, and it is still used on banks, churches, and court buildings today.

The Corinthian **TEMPLE OF THE OLYMPIAN ZEUS**, located in the lower city of Athens at the foot of the Acropolis, was designed by the Roman architect Cossutius in the second century BCE (FIG. 5–51) on the foundations of an earlier Doric temple, but it was not completed until three centuries later, under the patronage of the Roman emperor Hadrian. The temple's great Corinthian columns, 55 feet 5 inches tall, may be the second-century BCE Greek originals or Roman replicas. Viewed through these columns, the Parthenon seems modest in comparison. But for all its height and luxurious decoration, the new temple followed long-established conventions. It was an enclosed rectangular building surrounded by a screen of columns standing on a three-stepped base. Its proportions and details followed traditional standards. It is, quite simply, a Greek temple grown very large.



### 5-51 • TEMPLE OF THE OLYMPIAN ZEUS, ATHENS, ACROPOLIS IN DISTANCE

Building and rebuilding phases: foundation c. 520–510 BCE, using the Doric order; temple designed by Cossutius, begun 175 BCE, left unfinished 164 BCE, completed 132 CE using Cossutius' design. Height of columns 55'5" (16.89 m).

EXPLORE MORE: Click the Google Earth link for the Temple of the Olympian Zeus www.myartslab.com



## ART AND ITS CONTEXTS

### **Greek Theaters**

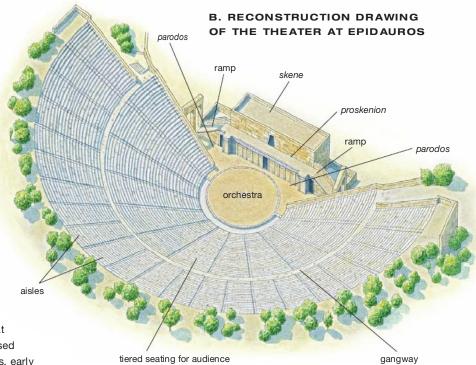


**A. THEATER, EPIDAUROS** Fourth century BCE and later.

In ancient Greece, the theater was more than mere entertainment: it was a vehicle for the communal expression of religious beliefs through music, poetry, and dance. In very early times, theater performances took place on the hard-packed dirt or stone-surfaced pavement of an outdoor threshing floor—the same type of floor later incorporated into religious sanctuaries. Whenever feasible, dramas were also presented facing a steep hill that served as elevated seating for the audience. Eventually such sites were made into permanent open-air auditoriums. At first, tiers of seats were simply cut into the side of the hill. Later, builders improved them with stone.

During the fifth century BCE, the plays were usually tragedies in verse based on popular myths, and were performed at festivals dedicated to
Dionysos; the three great Greek tragedians —
Aeschylus, Sophocles, and Euripides —created works that would define tragedy for centuries. Because they were used continuously and frequently modified over many centuries, early theaters have not survived in their original form.

The theater at Epidauros, built in the second half of the fourth century BCE, is characteristic. A semicircle of tiered seats built into the hillside overlooked the circular performance area, called the orchestra, at the center of which was an altar to Dionysos. Rising behind the orchestra was a two-tiered stage structure made up of the vertical skene (scene)—an architectural backdrop for performances that also screened the backstage area from view—and the proskenion (proscenium), a raised platform in front of the skene that was increasingly used over time as an extension of the orchestra.



Ramps connecting the *proskenion* with lateral passageways provided access for performers. Steps gave the audience access to the 55 rows of seats and divided the seating area into uniform wedge-shaped sections. The tiers of seats above the wide corridor, or gangway, were added at a much later date. This design provided uninterrupted sight lines and good acoustics, and allowed for efficient entrance and exit of the 12,000 spectators. No better design has ever been created.

#### **SCULPTURE**

Hellenistic sculptors produced an enormous variety of work in a wide range of materials, techniques, and styles. The period was marked by two broad and conflicting trends. One (sometimes called anti-Classical) abandoned Classical strictures and experimented freely with new forms and subjects. The other trend emulated earlier Classical models; sculptors selected aspects of favored works of the fourth century BCE and incorporated them into their own work. The radical anti-Classical style was especially strong in Pergamon and other eastern centers of Greek culture.

PERGAMON. Pergamon—capital of a breakaway state within the Seleucid realm established in the early third century BCE—quickly became a leading center of the arts and the hub of an experimental sculptural style that had far-reaching influence throughout the Hellenistic period. This radical style characterizes a monument commemorating the victory in 230 BCE of Attalos I (ruled 241–197 BCE) over the Gauls, a Celtic people (see "The Celts," page 152). The monument extols the dignity and heroism of the defeated enemies and, by extension, the power and virtue of the Pergamenes.

The bronze figures of Gauls mounted on the pedestal of this monument are known today only from Roman copies in marble. One captures the slow demise of a wounded Celtic soldier-trumpeter (FIG. 5–52), whose lime-spiked hair, mustache, and twisted neck ring or torc (reputedly the only thing the Gauls wore into battle) identify him as a barbarian (a label the ancient Greeks used for all foreigners, whom they considered uncivilized). But the sculpture also depicts his dignity and heroism in defeat, inspiring in viewers both admiration and pity for this fallen warrior. Fatally injured, he struggles to rise, but the slight bowing of his supporting right arm and his unseeing, downcast gaze indicate that he is on the point of death. This kind of deliberate attempt to elicit a specific emotional response in the viewer is known as expressionism, and it was to become a characteristic of Hellenistic art.

Pliny the Elder described a work like the *Dying Gallic Trum peter*, attributing it to an artist named Epigonos. Recent research indicates that Epigonos probably knew the early fifth-century BCE sculpture of the Temple of Aphaia at Aegina, which included the *Dying Warriors* (SEE FIGS. 5–14, 5–15), and could have had it in mind when he created his own works.



5-52 • Epigonos (?) **DYING GALLIC TRUMPETER**Roman copy after the original bronze of c. 220 BCE. Marble, height, 3612" (93 cm). Capitoline Museum, Rome.

The marble sculpture was found in Julius Caesar's garden in Rome. The bronze original was part of a victory monument made for the Sanctuary of Athena in Pergamon. Pliny wrote that Epigonos "surpassed others with his Trumpeter."



## ART AND ITS CONTEXTS

### The Celts

During the first millennium BCE, Celtic peoples inhabited most of central and western Europe. The Celtic Gauls portrayed in the Hellenistic Pergamene victory monument (SEE FIG. 5–52) moved into Asia Minor from Thrace during the third century BCE. The ancient Greeks referred to these neighbors, like all outsiders, as barbarians. Pushed out by migrating people, attacked and defeated by challenged kingdoms like that at Pergamon, and then finally by the Roman armies of Julius Caesar, ultimately the Celts were pushed into the northwesternmost parts of the continent—Ireland, Cornwall, and Brittany. Their wooden sculpture and dwellings and their colorful woven textiles have disintegrated, but spectacular funerary goods such as jewelry, weapons, and tableware have survived.

This golden torc, dating sometime between the third and first

centuries BCE, was excavated in 1866 from a Celtic tomb in northern France, but it is strikingly similar to the neck ring worn by the noble dying trumpeter illustrated in Fig. 5–52. Torcs were worn by noblemen and were sometimes awarded to warriors for heroic performance in combat. Like all Celtic jewelry, the decorative design of this work consists not of natural forms but of completely abstract ornament, in this case created by the careful twisting and wrapping of strands of pure gold, resolved securely by the definitive bulges of two knobs. In Celtic hands, pattern becomes an integral part of the object itself, not an applied decoration. In stark contrast to the culture of the ancient Greeks, where the human figure was at the heart of all artistic development, here it is abstract, non-representational form and its continual refinement that is the central artistic preoccupation.



**TORC** Found at Soucy, France. Celtic Gaul, 3rd–1st century BCE. Gold, height  $5'' \times$  length  $5^5 \mbox{\&}''$  (12.7  $\times$  14.5 cm). Musée Nationale du Moyen-Âge, Paris.

The sculptural style and approach seen in the monument to the defeated Gauls became more pronounced and dramatic in later works, culminating in the sculptured frieze wrapped around the base of a Great Altar on a mountainside at Pergamon (FIG. 5–53). Now reconstructed inside a Berlin museum, the original altar was enclosed within a single-story Ionic colonnade raised on a high podium reached by a monumental staircase 68 feet wide and nearly 30 feet deep. The over-7-feet high sculptural frieze, probably executed during the reign of Eumenes II (197–159 BCE), depicts the battle between the gods and the giants (Titans), a mythical struggle that the Greeks saw as a metaphor for their

conflicts with outsiders, all of whom they labeled barbarians. In this case it evokes the Pergamenes' victory over the Gauls.

The Greek gods fight here not only with giants, but also with monsters with snakes for legs emerging from the bowels of the earth. In this detail (FIG. 5–54), the goddess Athena at the left has grabbed the hair of a winged male monster and forced him to his knees. Inscriptions along the base of the sculpture identify him as Alkyoneos, a son of the earth goddess Ge. Ge rises from the ground on the right in fear as she reaches toward Athena, pleading for her son's life. At the far right, a winged Nike rushes to crown Athena with a victor's wreath.



 $5-53 \cdot \text{RECONSTRUCTED}$  WEST FRONT OF THE ALTAR FROM PERGAMON (IN MODERN TURKEY)

c. 175–150  $_{
m BCE}$ . Marble, height of figure 7'7" (2.3 m). Staatliche Museen zu Berlin, Pergamonmuseum, Preussischer Kulturbesitz, Berlin.



5-54 • ATHENA ATTACKING THE GIANTS

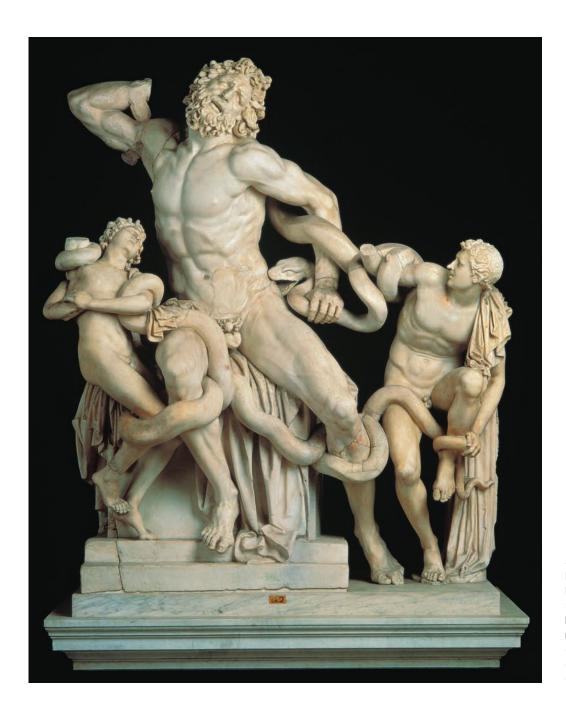
Detail of the frieze from the east front of the altar from Pergamon. c. 175–150 BCE. Marble, frieze height 7'7" (2.3 m). Staatliche Museen zu Berlin, Antikensammlung, Pergamonmuseum, Berlin.

The figures in the Pergamon frieze not only fill the space along the base of the altar, they also break out of their architectural boundaries and invade the spectators' space, crawling out onto the steps that visitors climbed on their way to the altar. Many consider this theatrical and complex interaction of space and form to be a benchmark of the Hellenistic style, just as they consider the balanced restraint of the Parthenon sculpture to be the epitome of the High Classical style. Where fifth-century BCE artists sought horizontal and vertical equilibrium and control, the Pergamene artists sought to balance opposing forces in three-dimensional space along dynamic diagonals. Classical preference for smooth, evenly illuminated surfaces has been replaced by dramatic contrasts of light and shade playing over complex forms carved with deeply undercut high relief. The composure and stability admired in the

Classical style have given way to extreme expressions of pain, stress, wild anger, fear, and despair. Whereas the Classical artist asked only for an intellectual commitment, the Hellenistic artist demanded that the viewer also empathize.

THE LAOCOÖN. Pergamene artists may have inspired the work of Hagesandros, Polydoros, and Athenodoros, three sculptors on the island of Rhodes named by Pliny the Elder as the creators of the famed **LAOCOÖN AND HIS SONS (FIG. 5–55)**. This work has been assumed by many art historians to be the original version from the second century BCE, although others argue that it is a brilliant copy commissioned by an admiring Roman patron in the first century CE.

This complex sculptural composition illustrates an episode from the Tro in War when the priest Laocoön warned the Tro ins



5-55 • Hagesandros, Polydoros, and Athenodoros of Rhodes LAOCOÖN AND HIS SONS

Probably the original of 1st century BCE or a Roman copy of the 1st century CE. Marble, height 8' (2.44 m). Musei Vaticani, Museo Pio Clementino, Cortile Ottagono, Rome.



## 5-56 • NIKE (VICTORY) OF SAMOTHRACE

Sanctuary of the Great Gods, Samothrace. c. 180 BCE (?). Marble, height 8'1" (2.45 m). Musée du Louvre, Paris.

The wind-whipped costume and raised wings of this Victory indicate that she has just alighted on the prow of the stone ship that formed the original base of the statue. The work probably commemorated an important naval victory, perhaps the Rhodian triumph over the Seleucid king Antiochus III in 190 BCE. The Nike (lacking its head and arms) and a fragment of its stone ship base were discovered in the ruins of the Sanctuary of the Great Gods by a French explorer in 1863 (additional fragments were discovered later). Soon after, the sculpture entered the collection of the Louvre Museum in Paris.

not to bring within their walls the giant wooden horse left behind by the Greeks. The gods who supported the Greeks retaliated by sending serpents from the sea to destroy Laocoön and his sons as they walked along the shore. The struggling figures, anguished faces, intricate diagonal movements, and skillful unification of diverse forces in a complex composition all suggest a strong relationship between Rhodian and Pergamene sculptors. Although sculpted in the round, the Laocoön was composed to be seen frontally and from close range, and the three figures resemble the relief sculpture on the altar from Pergamon.

THE NIKE OF SAMOTHRACE. This winged figure of Victory (FIG. 5–56) is even more theatrical than the Laocoön. In its original setting—in a hillside niche high above the Sanctuary of the Great



**5-57 • OLD WOMAN**Roman copy, 1st century ce. Marble, height 49<sup>1</sup>/<sub>2</sub>" (1.25 m). Metropolitan Museum of Art, New York. Rogers Fund, 1909 (09.39)

gods at Samothrace, perhaps drenched with spray from a fountain—this huge goddess must have reminded visitors of the god in Greek plays who descends from heaven to determine the outcome of the drama. The forward momentum of the Nike's heavy body is balanced by the powerful backward thrust of her enormous wings. The large, open movements of the figure, the strong contrasts of light and dark on the deeply sculpted forms, and the contrasting textures of feathers, fabric, and skin, typify the finest Hellenistic art.

OLD WOMAN. The Hellenistic world was varied and multicultural, and some artists turned generalizing idealism to an attempt to portray the world as they saw it. Patrons were fascinated by representations of people from every level of society, of unusual physical types as well as of ordinary individuals. This aged woman, on her way to the agora with three chickens and a basket of vegetables, may seem an unlikely subject for sculpture (FIG. 5-57). Despite the bunched and untidy disposition of her dress, it appears to be of an elegant design and made of fine fabric, and her hair is not in total disarray. These characteristics, along with the woman's sagging lower jaw, unfocused stare, and lack of concern for her exposed breasts, have led some to speculate that she represents an aging, dissolute follower of the wine god Dionysos on her way to make an offering. Whether an elderly peasant or a Dionysian celebrant, the woman is the antithesis of the Nike of Samothrace. Yet in formal terms, both sculptures stretch out assertively into the space around them, both demand an emotional response from the viewer, and both display technical virtuosity in the rendering of forms and textures.

APHRODITE OF MELOS. Not all Hellenistic artists followed the descriptive and expressionist tendencies of the artists of Pergamon and Rhodes. Some turned to the past, creating an eclectic style by reexamining and borrowing elements from earlier Classical styles and combining them in new ways. Many looked back to Praxiteles and Lysippos for their models. This was the case with the sculptor of the Aphrodite (better known as the **VENUS DE MILO**) (FIG. 5-58) found on the island of Melos by French excavators in the early nineteenth century. The dreamy gaze recalls Praxiteles' work (SEE FIG. 5-45), and the figure has the heavier proportions of High Classical sculpture, but the twisting stance and the strong projection of the knee are typical of Hellenistic art, as is the rich threedimensionality of the drapery. The juxtaposition of soft flesh and crisp drapery, seemingly in the process of slipping off the figure, adds a note of erotic tension.

By the end of the first century BCE, the influence of Greek painting, sculpture, and architecture had spread to the artistic communities of the emerging Roman empire. Roman patrons and artists maintained their enthusiasm for Greek art into Early Christian and Byzantine times. Indeed, so strong was the urge to emulate the work of great Greek artists that, as we have seen throughout this chapter, much of our knowledge of Greek achievements comes from Roman replicas of Greek artworks and descriptions of Greek art by Roman writers.



## 5-58 • APHRODITE OF MELOS (ALSO CALLED VENUS DE MILO)

c. 150-100 BCE. Marble, height 6'8" (2.04 m). Musée du Louvre, Paris.

The original appearance of this famous statue's missing arms has been much debated. When it was dug up in a field in 1820, some broken pieces (now lost) found with it indicated that the figure was holding out an apple in its right hand. Many judged these fragments to be part of a later restoration, not part of the original statue. Another theory is that Aphrodite was admiring herself in the highly polished shield of the war god Ares, an image that was popular in the 2nd century BCE. This theoretical "restoration" would explain the pronounced S-curve of the pose and the otherwise unnatural forward projection of the knee.

### THINK ABOUT IT

- **5.1** Discuss the emergence of a characteristically Greek approach to the representation of the male nude by comparing the *Anavysos Kouros* (Fig. 5–18) and the *Kritios Boy* (Fig. 5–23). What has changed and what remains constant?
- **5.2** How do the technical possibilities and limitations of black-figure and red-figure techniques affect the representation of the human form on ceramic vessels?
- **5.3** Distinguish the attributes of the three architectural orders of ancient Greece.
- 5.4 What ideals are embodied in the term "High Classicism" and what are the value judgments that underlie this art-historical category? Select one sculpture and one building discussed in the chapter, and explain why these works are regarded as High Classical.
- **5.5** In what ways do the Hellenistic sculptures of the *Dying Gallic Trumpeter* (FIG. 5–52) and *The Great Altar from Pergamon* (FIG. 5–54) depart from the norms of Classicism?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**6-1 • A PAINTER AT WORK** From the House of the Surgeon, Pompeii. 1st century BCE–1st century CE. Fresco,  $17^7 \% \times 17^3 \%$  (45.5  $\times$  45.3 cm). Museo Archeologico Nazionale, Naples.

## ETRUSCAN AND ROMAN ART

This fresco—portraying a painter absorbed in her art—once decorated the walls of a house in the ancient Roman city of Pompeii (Fig. 6–1). Like women in Egypt and Crete, Roman women were far freer and more worldly than their Greek counterparts. Many received a formal education and became physicians, writers, shopkeepers, even overseers in such male-dominated businesses as shipbuilding. But we have little information about the role women played in the visual arts, making the testimony of this picture all the more precious.

The painter sits within a room that opens behind her to the outdoors, holding her palette in her left hand, a sign of her profession. Dressed in a long robe, covered by an ample mantle, her hair is pulled back by a gold headband; but lighting and composition highlight two other aspects of her body: her centralized face, which focuses intently on the subject of her painting—a sculptured rendering of the bearded fertility god Priapus appearing in the shadows of the right background—and her right arm, which extends downward so she can dip her brush into a paintbox that rests precariously on a rounded column drum next to her folding stool. A small child steadies the panel on which she paints, and two elegantly posed and richly dressed women—perhaps her patrons—stand next to a pier behind her. The art she is practicing reflects well on her

social position. Pliny the Elder claimed that "Among artists, glory is given only to those who paint panel paintings" (cited in Mattusch, p. 159). Wall paintings, he claimed, are of lesser value because they cannot be removed in case of fire. In this fresco, however, fixed positioning facilitated survival. When Mount Vesuvius erupted in 79 cE, it was wall paintings like this one that were preserved for rediscovery by eighteenth-century archaeologists.

This painting of a female artist at work was actually conceived as a simulated panel painting, positioned on the yellow wall of a small room (as on the red wall in Fig. 6–25) that also included a fresco of a simulated panel portraying a male poet writing. Both paintings were revered so highly by the archaeologists who discovered them in 1771 that they were cut out of their walls to be exhibited as framed pictures in a museum, a practice that would be anathema today but was far from unusual in the eighteenth century. As we saw when examining the Aegean fresco painting of the crocus-gatherer that opened Chapter 4, only when such fascinating details drawn from wall-painting programs are situated within the larger pictorial and social context of the buildings in which they appeared can we grasp their significance for the people who brought them into being.

### **LEARN ABOUT IT**

- **6.1** Examine the ways that Etruscan funerary art celebrates the vitality of human existence.
- **6.2** Trace the development of portraiture as a major form of artistic expression for the Romans.
- 6.3 Investigate the various ways Romans embellished the walls of their houses with illusionistic painting.
- **6.4** Explore the structural advances made by the Romans in the construction of large civic architecture.
- 6.5 Assess the ways Roman emperors used art and architecture as an arm of imperial propaganda.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

### THE ETRUSCANS

The boot-shaped Italian peninsula, shielded on the north by the Alps, juts into the Mediterranean Sea. At the end of the Bronze Age (about 1000 BCE), a central European people known as the Villanovans occupied the northern and western regions of the peninsula, while the central area was home to a variety of people who spoke a closely related group of Italic languages, Latin among them. Beginning in the eighth century BCE, Greeks established colonies on the mainland and in Sicily. From the seventh century BCE, people known as Etruscans, probably related to the Villanovans, gained control of the north and much of today's central Italy, an area known as Etruria. They reached the height of their power in the sixth century BCE, when they expanded into the Po River valley to the north and the Campania region to the south (MAP 6–1).

Etruscan wealth came from fertile soil and an abundance of metal ore. Both farmers and metalworkers, the Etruscans were also sailors and merchants, and they exploited their resources in trade with the Greeks and with other people of the eastern Mediterranean. Etruscan artists knew and drew inspiration from Greek and Near Eastern art, assimilating such influences to create a distinctive Etruscan style.

#### ETRUSCAN ARCHITECTURE

In architecture, the Etruscans established patterns of building that would be adopted later by the Romans. Cities were laid out on grid plans, like cities in Egypt and Greece, but with a difference: Two main streets—one usually running north—south and the other east—west—divided the city into quarters, with the town's business district centered at their intersection. We know something about Etruscan domestic architecture within these quarters, because they created house–shaped funerary urns and also decorated the interiors of tombs to resemble houses. Dwellings were designed around a central courtyard (or **atrium**) that was open to the sky, with a pool or cistern fed by rainwater.

Walls with protective gates and towers surrounded Etruscan cities. The third- to second-century BCE city gate of Perugia, called the **PORTA AUGUSTA**, is one of the few surviving examples of Etruscan monumental architecture (FIG. 6–2). A tunnel-like passageway between two huge towers, this gate is significant for anticipating the Roman use of the round arch, which is here extended to create a semicircular barrel vault over the passageway (see "The Roman Arch," page 172, and "Roman Vaulting," page 188). A square frame surmounted by a horizontal decorative element resembling an entablature sets off the entrance arch, which is accentuated by a molding. The decorative section is filled with a row of circular panels, or **roundels**, alternating with rectangular, columnlike upright strips called **pilasters** in an effect reminiscent of the Greek Doric frieze.

#### **ETRUSCAN TEMPLES**

The Etruscans incorporated Greek deities and heroes into their pantheon and, like the ancient Mesopotamians, used divination to predict future events. Beyond this and their burial practices (as



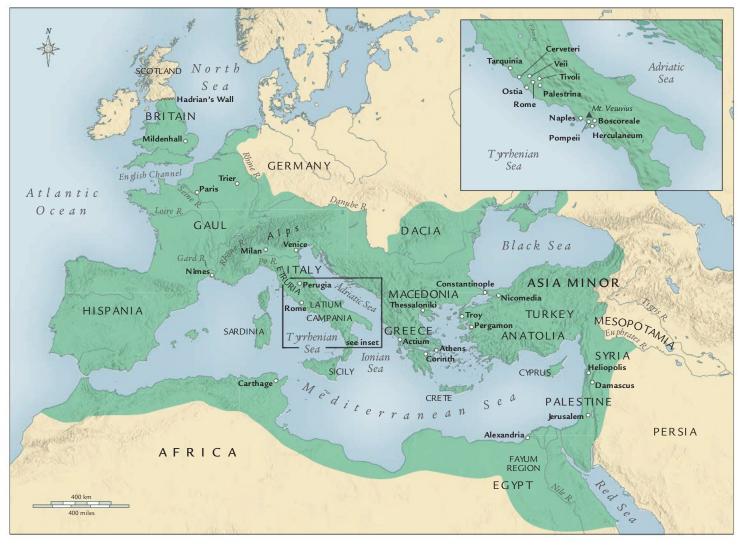
**6-2 • PORTA AUGUSTA**Perugia, Italy. 3rd–2nd century BCE.

revealed by the findings in their tombs), we know little about their religious beliefs. Our knowledge of the appearance of Etruscan temples comes from the few remaining examples of foundations, from ceramic votive models, and from the later writings of the Roman architect Vitruvius.

Etruscans built their temples with mud-brick walls. The columns and entablatures were made of wood or a quarried volcanic rock called tufa, which hardens upon exposure to air. Sometime between 33 and 23 CE, Vitruvius compiled descriptions of the nature of Etruscan architecture (see "Roman Writers on Art," page 169). His account indicates that in certain ways Etruscan temples resembled Greek temples (FIG. 6–3). Etruscan builders also used

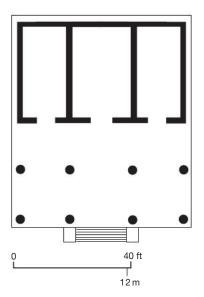


**6-3 • RECONSTRUCTION OF AN ETRUSCAN TEMPLE**Based on archaeological evidence and descriptions by Vitruvius.
University of Rome, Istituto di Etruscologia e Antichità Italiche.



MAP 6-1 • THE ANCIENT ROMAN WORLD

This map shows the Roman Empire at its greatest extent, which was reached in 106 ce under the emperor Trajan.



**6-4 • PLAN OF AN ETRUSCAN TEMPLE** Based on descriptions by Vitruvius.

post-and-lintel structure and gable roofs. The bases, column shafts, and capitals recall those of the earlier Doric or Ionic order, and the entablature resembles a Doric frieze. Vitruvius used the term "Tuscan order" to describe the characteristic Etruscan variation of the Doric order, with an unfluted shaft and simplified base, capital, and entablature (see "Roman Architectural Orders," page 163).

Like the Greeks, the Etruscans built their temples on a high platform positioned in a courtyard or a city square. However, they built a single flight of stairs leading to a columned porch on one short side of the rectangular temple rather than surrounding the temple uniformly on all sides with a stepped stereobate and peristyle colonnade, as was the practice in Greece (SEE FIGS. 5–9, 5–31). An approach to siting and orientation also constitutes an important difference from Greek temples, which were built toward the center of an enclosed, open precinct (SEE FIGS. 5–12, 5–29) rather than on the edge of a courtyard or public square. Also, there was an almost even division in Etruscan temples between porch and interior space (FIG. 6–4). Often this interior space was separated into three rooms that probably housed cult statues.

Although Etruscan temples were simple in form, they were embellished with dazzling displays of painting and terra-cotta sculpture. The temple roof, rather than the pediment, served as a base for large statue groups. Etruscan artists excelled at the imposing technical challenge of making huge terra-cotta figures for placement on temples. A splendid example is a life-size figure of APOLLO (FIG. 6–5). To make such large clay sculptures, artists had to know how to construct figures so that they did not collapse under their own weight while the raw clay was still wet. They also had to regulate the kiln temperature during the long firing process. The names of some Etruscan terra-cotta artists have come down to us, including that of a sculptor from Veii (near Rome) called Vulca, in whose workshop this figure of Apollo may have been created.

Dating from about 510–500 BCE and originally part of a four-figure scene depicting one of the labors of Hercules, the Apollo comes from the temple dedicated to Minerva and other gods in the sanctuary of Portonaccio at Veii. Four figures on the temple's ridgepole (horizontal beam at the peak of the roof) depicted Apollo and Hercules fighting for possession of a deer sacred to Diana, while she and Mercury looked on. Apollo is shown striding forward boldly. To our eyes, he seems to have just stepped over the decorative scrolled element that helps support the sculpture.

Apollo's well-developed body and his "Archaic smile" clearly demonstrate that Etruscan sculptors were familiar with the kouroi of their Archaic Greek counterparts. But a comparison of the Apollo and a figure such as the Greek *Anavysos Kouros* (SEE FIG. 5–18) reveals telling differences. Unlike the Greek kouros, the body of the Etruscan Apollo is partially concealed by a rippling robe that cascades in knife-edged pleats to his knees. The forward-moving pose of the Etruscan statue also has a dynamic vigor that is avoided in the balanced, rigid stance of the Greek figure. This sense of energy expressed in purposeful movement is a defining characteristic of Etruscan sculpture and painting.

#### **TOMB CHAMBERS**

Like the Egyptians, the Etruscans seem to have conceived tombs as homes for the dead. The Etruscan cemetery of La Banditaccia at Cerveteri, in fact, was laid out like a small town, with "streets" running between the grave mounds. The tomb chambers were partially or entirely excavated below the ground, and some were hewn out of bedrock. They were roofed over, sometimes with corbel vaulting, and covered with dirt and stones.

Etruscan painters had a remarkable ability to suggest that their subjects inhabit a bright, tangible world just beyond the tomb walls. Brightly colored scenes of playing, feasting, dancing, hunting, fishing, and other leisure activities decorated the tomb walls. In a late sixth-century BCE tomb from Tarquinia, wall paintings show two boys spending a day in the country, surrounded by the graceful flights of brightly colored birds (FIG. 6–6). The boy to the left is climbing a hillside up to the promontory of a cliff, soon to put aside his clothes and follow his naked companion, caught by the artist in mid-dive, plunging toward the water below. Such

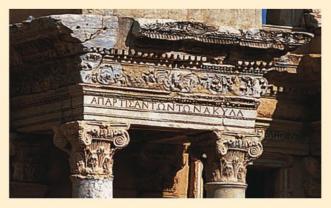


6-5 • Master Sculptor Vulca (?) APOLLO
Temple of Minerva, Portonaccio, Veii. c. 510-500 BCE. Painted terra cotta, height 5'10" (1.8 m). Museo Nazionale di Villa Giulia, Rome.

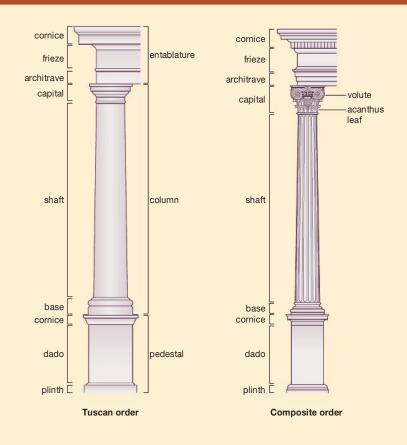
charming scenes of carefree diversions, removed from the routine demands of daily life, seem to promise a pleasurable post-mortem existence to the occupant of this tomb. But this diver could also symbolize the deceased's own plunge from life into death (see "The Tomb of the Diver," pages 122–123).

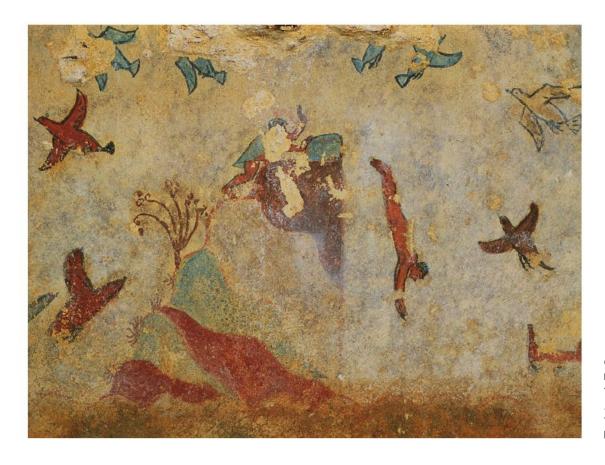
## **ELEMENTS OF ARCHITECTURE | Roman Architectural Orders**

The Etruscans and Romans adapted Greek architectural orders (see "The Greek Orders," page 110) to their own tastes, often using them as applied decoration on walls. The Etruscans developed the **Tuscan order** by modifying the Doric order, adding a base under the shaft, which was often left unfluted. This system was subsequently adopted by the Romans. Later the Romans created the **Composite order** by combining the volutes of Greek Ionic capitals with the acanthus leaves from the Corinthian order. In this diagram, the two Roman orders are shown on pedestals, which consist of a **plinth**, a **dado**, and a cornice.

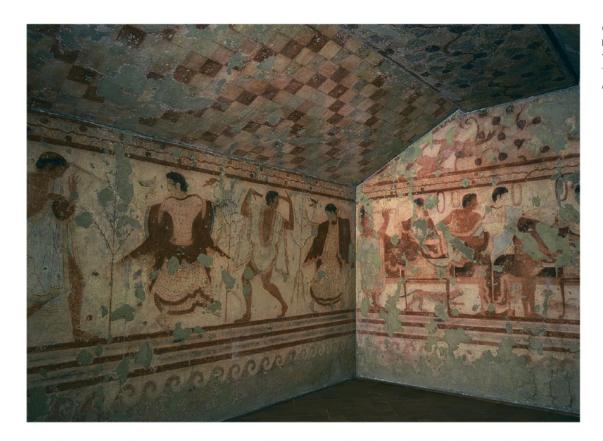


FAÇADE OF LIBRARY OF CELSUS, EPHESUS Turkey, 135 ce. Detail showing capital, architrave, frieze, and cornice, conforming to the Composite order. Marble.

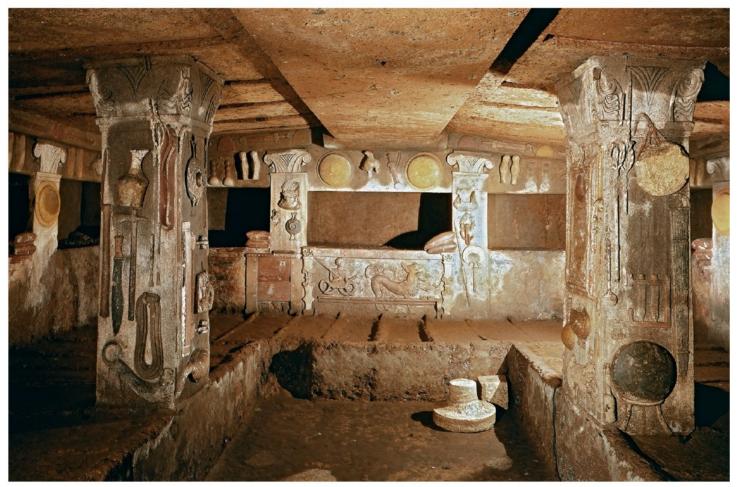




6-6 • BOYS CLIMBING ROCKS AND DIVING, TOMB OF HUNTING AND FISHING, TARQUINIA Late 6th century BCE.



6-7 • DANCERS AND DINERS, TOMB OF THE TRICLINIUM Tarquinia, Italy. c. 480–470 BCE.



**6-8 • BURIAL CHAMBER, TOMB OF THE RELIEFS** Cerveteri, Italy. 3rd century BCE.



**6-9 • RECLINING COUPLE ON A SARCOPHAGUS FROM CERVETERI** c. 520 BCE. Terra cotta, length 6'7" (2.06 m). Museo Nazionale di Villa Giulia, Rome.

Portrait sarcophagi like this one evolved from earlier terra-cotta cinerary urns with sculpted heads of the deceased whose ashes they held.

In a painted frieze in the **TOMB OF THE TRICLINIUM**, somewhat later but also from Tarquinia, the diversions are more mature in focus as young men and women frolic to the music of the lyre and double flute within a room whose ceiling is enlivened with colorful geometric decoration (FIG. 6–7). These dancers line the side walls, composed within a carefully arranged setting of stylized trees and birds, while at the end of the room couples recline on couches enjoying a banquet as cats prowl underneath the table looking for scraps. The immediacy of this wall painting is striking. Dancers and diners—women as well as men—are engaging in the joyful customs and diversions of human life as we know it.

Some tombs were carved out of the rock to resemble rooms in a house. The **TOMB OF THE RELIEFS**, for example, seems to have a flat ceiling supported by square stone posts **(FIG. 6–8)**. Its walls were plastered and painted, and it was fully furnished. Couches were carved from stone, and other fittings were formed of stucco, a slow-drying type of plaster that can be easily molded and carved.

Simulated pots, jugs, robes, axes, and other items were molded and carved to look like real objects hanging on hooks. Could the animal rendered in low relief at the bottom of the post just left of center be the family pet?

The remains of the deceased were placed in urns or sarcophagi (coffins) made of clay or stone. On the terra-cotta **SARCOPHAGUS FROM CERVETERI**, dating from about 520 BCE (FIG. 6–9), a husband and wife are shown reclining comfortably on a dining couch. The smooth, lifelike forms of their upper bodies are vertical and square-shouldered, but their hips and extended legs seem to sink into the softness of the couch. Rather than a somber memorial to the dead, we encounter two lively individuals with alert eyes and warm smiles. The man once raised a drinking vessel, addressing the viewer with the lively and engaging gesture of a genial host, perhaps offering an invitation to dine with them for eternity or to join them in the sort of convivial festivities recorded in the paintings on the walls of Etruscan tombs.



6-10 • MARRIED COUPLE (LARTH TETNIES AND THANCHVIL TARNAI) EMBRACING

Lid of a sarcophagus. c. 350–300 BCE. Marble, length  $7^{\prime}$  (2.13 m). Museum of Fine Arts, Boston.

The lid of another Etruscan sarcophagus—slightly later in date and carved of marble rather than molded in clay—portrays another reclining Etruscan couple, but during a more private moment (FIG. 6–10). Dressed only in their jewelry and just partially sheathed by the light covering that clings to the forms of their bodies, this loving pair has been caught for eternity in a tender embrace, absorbed with each other rather than looking out to engage the viewer. The sculptor of this relief was clearly influenced by Greek Classicism in

the rendering of human forms, but the human intimacy that is captured here is far removed from the cool, idealized detachment characterizing Greek funerary stelae (SEE FIG. 5–42).

#### WORKS IN BRONZE

The Etruscans developed special sophistication in casting and engraving on bronze. Some of the most extraordinary works were created for domestic use, including a group of surviving **cistae**—cylindrical containers used by wealthy women as cases for toiletry articles such as mirrors. Cistae were common wedding gifts for brides.

The richly decorated FICORONI CISTA (named after an eighteenth-century owner), dated to the second half of the fourth century BCE and found in Palestrina (FIG. 6-11), was made as a gift from a woman named Dindia Macolnia to her daughter. The artist Novios Plautios signed the precisely engraved drawings around the body of the container, accomplished while the bronze sheet was still flat, first by incising lines within the metal and then filling them with white material to make them stand out. The use of broad foliate and ornamental bands to frame the frieze of figural narrative recalls the practice of famous Greek ceramic painters like Euphronios (see "A Closer Look," page 119), and, like Greek pots, the most popular subjects for cistae were Greek myths. Here Novios has engraved sequential scenes drawn from an episode in the story of the Argonauts, sailors who sought water in the land of hostile King Amykos. The king would only give them water from his spring if they beat him in a boxing match. After the immortal Pollux defeated Amykos, the Argonauts tied the king to a tree, the episode highlighted on the side seen in FIG. 6–11.

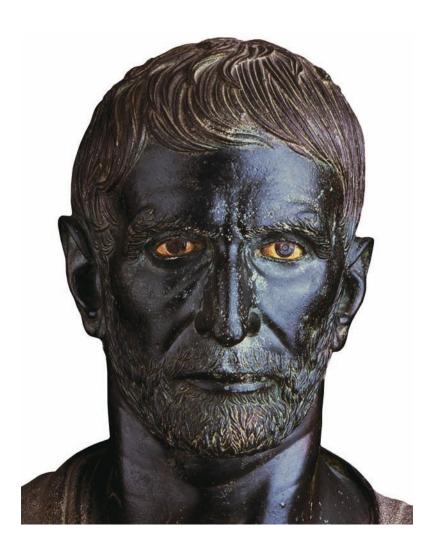
The legs and handle of the cista were cast as separate pieces, attached during the assembly process. Figural groups attached to the top, such as the trio of Dionysus and two satyrs seen here, were common. The natural poses and individualization of these figures recalls the relaxed but lively naturalism we have already seen in Etruscan wall paintings.

Etruscan artists continued to be held in high regard by Roman patrons after the Etruscan cities fell to Rome. Since Etruscan bronze artists went to work for the Romans, distinguishing between Etruscan and early Roman art is often difficult. A head that was once part of a bronze statue of a man may be an example of an important Roman commission from an Etruscan artist (FIG. 6–12). Since it is over life size, this head may have been part of a commemorative work honoring a great man, and the downturned tilt of the head, as well as the flexing of the neck, have led many to propose that it was part of an equestrian figure. Traditionally dated to about 300 BCE, this rendering of a strong, broad face with heavy brows, hawk nose, firmly set lips, and clear-eyed expression is scrupulously detailed. The commanding, deep-set eyes are created with ivory inlay, within which float irises created of glass paste within a ring of bronze. The



**6–11 • Novios Plautios THE FICORONI CISTA** 350–300 BCE. Bronze, height  $2'6^14''$  (78.6 cm). Museo Nazionale di Villa Giulia, Rome.

It is possible that artist Novios Plautios' source for the scene he engraved on this cista was a monumental, mid-4th-century BCE Greek painting of the Argonauts by Kydias that seems to have been exhibited in Rome during this time. This may be why Novios tells us in his inscribed signature that he executed this work in Rome.



6-12 • HEAD OF A MAN (TRADITIONALLY KNOWN AS "BRUTUS")

c. 300 BCE. Bronze, eyes of painted ivory, height  $12^1 2^{\prime\prime}$  (31.8 cm). Palazzo dei Conservatori, Rome

lifelike effect is further enhanced by added eyelashes of separately cut pieces of bronze. This work is often associated with a set of male virtues that would continue to be revered by the Romans: stern seriousness, strength of character, the age-worn appearance of a life well lived, and the wisdom and sense of purpose it confers.

Etruscan art and architectural forms left an indelible stamp on the art and architecture of early Rome that was rivaled only by the influence of Greece. By 88 BCE, when the Etruscans were granted Roman citizenship, their art had already been absorbed into that of Rome.

### THE ROMANS

At the same time that the Etruscan civilization was flourishing, the Latin-speaking inhabitants of Rome began to develop into a formidable power. For a time, kings of Etruscan lineage ruled them, but in 509 BCE the Romans overthrew them and formed a republic centered in Rome. The Etruscans themselves were absorbed by the Roman Republic at the end of the third century BCE, by which time Rome had steadily expanded its territory in many directions. The Romans unified what is now Italy and, after defeating their rival, the North African city-state of Carthage, they established an empire that encompassed the entire Mediterranean region (SEE MAP 6–1).

At its greatest extent, in the early second century CE, the Roman Empire reached from the Euphrates River, in southwest Asia, to Scotland. It ringed the Mediterranean Sea—mare nostrum, or "our sea," the Romans called it. Those who were conquered by the Romans gradually assimilated Roman legal, administrative, and cultural structures that endured for some five centuries—and in the eastern Mediterranean until the fifteenth century CE—and left a lasting mark on the civilizations that emerged in Europe.

### ORIGINS OF ROME

The Romans saw themselves as descendents of heroic ancestors. Two popular legends told the story of Rome's founding. One focused on Romulus and Remus, twin sons of the god Mars and a mortal woman, who were abandoned on the banks of the Tiber River and discovered by a she-wolf, who nursed them as her own pups. When they reached adulthood, the twins built a city near the place of their rescue. The other story of Rome's founding is part of Virgil's *Aeneid*, where the poet claims the Roman people to be descendants of Aeneas, a Trojan who was the mortal son of Venus. Aeneas and some companions escaped from Troy and made their way to the Italian peninsula. Their sons were the Romans, the people who in fulfillment of a promise by Jupiter to Venus were destined to rule the world.



## ART AND ITS CONTEXTS

### Roman Writers on Art

Only one book devoted specifically to architecture and the arts survives from antiquity. All our other written sources consist of digressions and insertions in works on other subjects. That one book, the Ten Books on Architecture by Vitruvius (c. 80–c. 15 BCE), however, is invaluable. Written for Augustus in the first century BCE, it is a practical handbook for builders that discusses such things as laying out cities, siting buildings, and using the Greek architectural orders. Vitruvius argued for appropriateness and rationality in architecture, and he also made significant contributions to art theory, including studies on proportion.

Pliny the Elder (c. 23–79 cE) wrote a vast encyclopedia of "facts, histories, and observations" known as *Naturalis Historia* (*The Natural History*) that often included discussions of art and architecture. Pliny

occasionally used works of art to make his points—for example, citing sculpture within his essays on stone and metals. Pliny's scientific turn of mind led to his death, for he was overcome while observing the eruption of Mount Vesuvius that buried Pompeii. His nephew, Pliny the Younger (c. 61–113 cE), a voluminous letter writer, added to our knowledge of Roman domestic architecture with his meticulous descriptions of villas and gardens.

Valuable bits of information can also be found in books by travelers and historians. Pausanias, a second-century cE Greek traveler, wrote descriptions that are basic sources on Greek art and artists. Flavius Josephus (c. 37–100 cE), a historian of the Flavians, wrote in his Jewish Wars a description of the triumph of Titus that includes the treasures looted from the Temple of Solomon in Jerusalem (SEE FIG. 6–33).

EXPLORE MORE: Gain insight from primary sources by Roman writers www.myartslab.com

Archaeologists and historians present a more mundane picture of Rome's origins. In Neolithic times, people settled in permanent villages on the plains of Latium, south of the Tiber River, and on the Palatine, one of the seven hills that would eventually become the city of Rome. By the sixth century BCE, these modest towns had become a major transportation hub and trading center.

#### **ROMAN RELIGION**

The Romans assimilated Greek gods, myths, religious beliefs and practices into their state religion. They also deified their emperors. Worship of ancient gods mingled with homage to past rulers, and oaths of allegiance to the living ruler made the official religion a political duty. Religious worship became increasingly ritualized, perfunctory, and distant from the everyday life of most people.

Many Romans adopted the so-called mystery religions of the people they had conquered. Worship of Isis and Osiris from Egypt, Cybele (the Great Mother) from Anatolia, the hero-god Mithras from Persia, and the single, all-powerful God of Judaism and Christianity from Palestine challenged the Roman establishment. These unauthorized religions flourished alongside the state religion, with its Olympian deities and deified emperors, despite occasional government efforts to suppress them.

## THE REPUBLIC, 509-27 BCE

Early Rome was governed by kings and an advisory body of leading citizens called the Senate. The population was divided into two classes: a wealthy and powerful upper class, the patricians, and a lower class, the plebeians. In 509 BCE, Romans overthrew the last

Etruscan king and established the Roman Republic as an oligarchy, a government by the aristocrats that would last about 450 years.

As a result of its stable form of government, and especially of its encouragement of military conquest, by 275 BCE Rome controlled the entire Italian peninsula. By 146 BCE, Rome had defeated its great rival, Carthage, on the north coast of Africa, and taken control of the western Mediterranean. By the mid second century BCE, Rome had taken Macedonia and Greece, and by 44 BCE, it had conquered most of Gaul (present-day France) as well as the eastern Mediterranean (SEE MAP 6–1). Egypt remained independent until Octavian defeated Mark Antony and Cleopatra at the Battle of Actium in 31 BCE.

During the Republic, Roman art was rooted in its Etruscan heritage, but territorial expansion brought wider exposure to the arts of other cultures. Like the Etruscans, the Romans admired Greek art. As Horace wrote (*Epistulae* II, 1): "Captive Greece conquered her savage conquerors and brought the arts to rustic Latium." The Romans used Greek designs and Greek orders in their architecture, imported Greek art, and employed Greek artists. In 146 BCE, for example, they stripped the Greek city of Corinth of its art treasures and shipped them back to Rome.

#### PORTRAIT SCULPTURE

Portrait sculptors of the Republican period sought to create lifelike images based on careful observation of their subjects, objectives that were related to the Romans' veneration of their ancestors and the making and public display of death masks of deceased relatives (see "Roman Portraiture," page 170).



## ART AND ITS CONTEXTS

## Roman Portraiture

The strong emphasis on portraiture in Roman art may stem from the early practice of creating likenesses—in some cases actual wax death masks—of revered figures and distinguished ancestors for display on public occasions, most notably funerals. Contemporary historians have left colorful evocations of this distinctively Roman custom. Polybius, a Greek exiled to Rome in the middle of the second century BCE, wrote home with the following description:

... after the interment [of the illustrious man] and the performance of the usual ceremonies, they place the image of the departed in the most conspicuous position in the house, enclosed in a wooden shrine. This image is a mask reproducing with remarkable fidelity both the features and the complexion of the deceased. On the occasion of public sacrifices, they display these images, and decorate them with much care, and when any distinguished member of the family dies they take them to the funeral, putting them on men who seem to bear the closest resemblance to the original in stature and carriage.... There could not easily be a more ennobling spectacle for a young man who aspires to fame and virtue. For who would not be inspired by the sight of the images of men renowned for their excellence, all together and as if alive and breathing?... By this means, by the constant renewal of the good report of brave men, the celebrity of those who performed noble deeds is rendered immortal, while at the same time the fame of those who did good services to their country becomes known to the people and a heritage for future generations. (The Histories, VII, 53, 54, trans. W. R. Paton, Loeb Library ed.)

Growing out of this heritage, Roman Republican portraiture is frequently associated with the notion of **verism**—an interest in the faithful reproduction of the immediate visual and tactile appearance of subjects. Since we find in these portrait busts the same sorts of individualizing physiognomic features that allow us to differentiate among the people we know in our own world, it is easy to assume that they are exact likenesses of their subjects as they appeared during their lifetime. Of course, this is impossible to verify, but our strong desire to believe it must realize the intentions of the artists who made these portraits and the patrons for whom they were made.

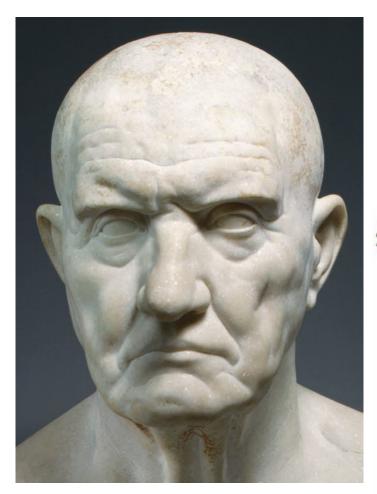
A life-size marble statue of a Roman patrician shown here, dating from the period of the Emperor Augustus, reflects the practices documented much earlier by Polybius and links the man portrayed with a revered tradition and its laudatory associations. The large marble format emulates a Greek notion of sculpture, and its use here signals not only this man's wealth but also his sophisticated artistic tastes, characteristics he shared with the emperor himself. His toga, however, is not Greek but indigenous and signifies his respectability as a Roman citizen of some standing. The busts of ancestors that he holds in his hands document his distinguished lineage in the privileged upper class—laws regulated which members of society could own such collections—and the statue as a whole proclaims his adherence to the family tradition by having his own portrait created.



## PATRICIAN CARRYING PORTRAIT BUSTS OF TWO ANCESTORS (BARBERINI TOGATUS)

End of 1st century BCE or beginning of 1st century CE. Marble, height 5'5'' (1.65 m). Palazzo de Conservatori, Rome.

The head of this standing figure, though ancient Roman in origin, is a later replacement and not original to this statue. The separation of head and body in this work is understandable since in many instances the bodies of full-length portraits were produced in advance, waiting in the sculptor's workshop for a patron to commission a head with his or her own likeness that could be attached to it. Presumably the busts carried by this patrician were likewise only blocked out until they could be carved with the faces of the commissioner's ancestors. These faces share a striking family resemblance, and the stylistic difference reproduced in the two distinct bust formats reveals that these men lived in successive generations. They could be the father and grandfather of the man who carries them.



**6–13 • PORTRAIT HEAD OF AN ELDER** c. 80 BCE. Marble, life size. Metropolitan Museum of Art, New York.

Perhaps growing out of this early tradition of maintaining images of ancestors as death masks, a new Roman artistic ideal emerged during the Republican period in relation to portrait sculpture, an ideal quite different from the one we encountered in Greek Classicism. Instead of generalizing a human face, smoothed of its imperfections and caught in a moment of detached abstraction, this new Roman idealization emphasizedrather than suppressed—the hallmarks of advanced age and the distinguishing aspects of individual likenesses. This mode is most prominent in bust portraits of Roman patricians (FIG. 6-13), whose time-worn faces embody the wisdom and experience that come with old age. Frequently we take these portraits of wrinkled elders at face value, as highly realistic and faithful descriptions of actual human beings-contrasting Roman realism with Greek idealism—but there is good reason to think that these portraits actually conform to a particularly Roman type of idealization that underscores the effects of aging on the human face.

THE ORATOR. The life-size bronze portrait of **AULUS METELLUS**—the Roman official's name is inscribed on the hem of his garment in Etruscan letters (FIG. 6–14)—dates to about 80

BCE. The statue, known from early times as *The Orator*, depicts a man addressing a gathering, his arm outstretched and slightly raised, a pose expressive of rhetorical persuasiveness. The orator wears sturdy laced leather boots and a folded and draped toga, the characteristic garment of a Roman senator. According to Pliny the Elder, large statues like this were often placed atop columns as memorials. It could also have been mounted on an inscribed base in a public space by officials grateful for Aulus' benefactions on behalf of their city.



**6-14 • AULUS METELLUS (THE ORATOR)**Found near Perugia. c. 80 BCE. Bronze, height 5'11" (1.8 m). Museo Archeològico Nazionale, Florence.

## **ELEMENTS OF ARCHITECTURE | The Roman Arch**

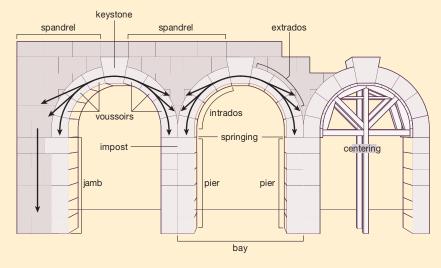
The round arch was not an Etruscan or Roman invention, but the Etruscans and Romans were the first to make widespread use of it (SEE FIG. 6–2)—both as an effective structural idea and an elegant design motif.

Round arches displace most of their weight, or downward thrust (see arrows on diagram), along their curving sides, transmitting that weight to adjacent supporting uprights (door or window jambs, columns, or piers). From there, the thrust goes to, and is supported by, the ground. To create an arch, brick or cut stones are formed into a curve by fitting together wedge-shaped pieces, called voussoirs, until they meet and are locked together at the top center by the final piece, called the keystone. These voussoirs exert an outward as well as a downward thrust, so arches may require added support, called buttressing, from adjacent masonry elements.

Until the keystone is in place and the mortar between the bricks or stones dries, an arch is held in place by wooden scaffolding called **centering**. The points from which the curves of the arch rise, called **springings**, are often reinforced by masonry imposts. The wall areas adjacent to the curves of the arch are **spandrels**. In a succession of arches, called an **arcade**, the space encompassed by each arch and its supports is called a **bay**.

#### PONT DU GARD

Nîmes, France. Late 1st century BCE. Height above river 160' (49 m), width of road bed on lower arcade 20' (6 m). A stunning example of the early Roman use of the round arch is a bridge known as the Pont du Gard, part of an aqueduct located near Nîmes, in southern France. An ample water supply was essential for a city, and the Roman invention to supply this water was the aqueduct, built with arcades—a linear series of arches. This aqueduct brought water from springs 30 miles to the north using a simple gravity flow, and it provided 100 gallons a day for every person in Nîmes. Each arch buttresses its neighbors and the huge arcade ends solidly in the hillsides. The structure conveys the balance, proportions, and rhythmic harmony of a great work of art, and although it harmonizes with its natural setting, it also makes a powerful statement about Rome's ability to control nature in order to provide for its cities. Both structure and function are marks of Roman civilization.





SEE MORE: View a simulation of the arch www.myartslab.com

THE DENARIUS OF JULIUS CAESAR. The propaganda value of portraits was not lost on Roman leaders. In 44 BCE, Julius Caesar issued a denarius (a widely circulated coin) bearing his portrait (FIG. 6–15) conforming to the Roman ideal of advanced age. He was the first Roman leader to place his own image on a coin, initiating a practice that would be adopted by his successors, but at the time when this coin was minted, it smacked of the sort of megalomaniacal behavior that would ultimately lead to his assassination. Perhaps it is for this reason that Caesar underscores his age, and thus his old-fashioned respectability, in this portrait, which reads as a mark of his traditionalism as a senator. But the inscription placed around his head—CAESAR DICT PERPETUE, or "Caesar, dictator forever"—certainly contradicts the ideal embodied in the portrait.

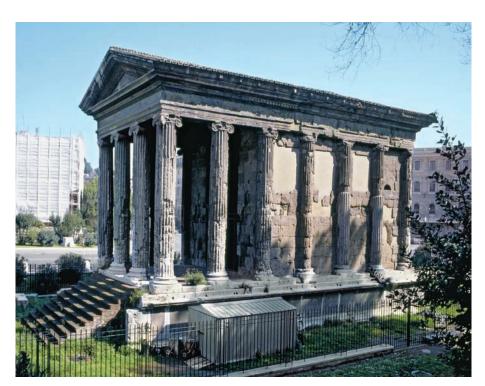
#### **ROMAN TEMPLES**

Architecture during the Roman Republic reflected both Etruscan and Greek practices. Like the Etruscans, the Romans built urban temples in commercial centers as well as in special sanctuaries. An early example is a small rectangular temple standing on a raised platform, or podium, beside the Tiber River in Rome (FIG. 6–16), probably from the second century BCE and perhaps dedicated to Portunus, the god of harbors and ports. This temple uses the Etruscan system of a rectangular cella and a front porch at one end reached by a broad, inviting flight of steps, but the Roman architects have adopted the Greek Ionic order, with full columns on the porch and half-columns engaged (set into the wall) around



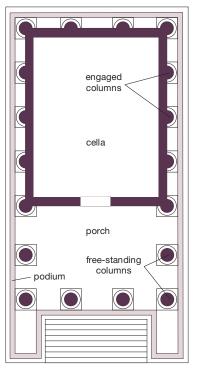
**6-15 • DENARIUS WITH PORTRAIT OF JULIUS CAESAR** 44 BCE. Silver, diameter approximately  $^34''$  (1.9 cm). American Numismatic Society, New York.

the exterior walls of the cella (FIG. 6–17) and a continuous frieze in the entablature. The overall effect resembles a Greek temple, but there are two major differences. First, Roman architects liberated the form of the column from its post-and-lintel structural roots and engaged it onto the surface of the wall as a decorative feature. Second, while a Greek temple encourages viewers to walk around



**6-16 • TEMPLE, PERHAPS DEDICATED TO PORTUNUS** Forum Boarium (Cattle Market), Rome. Late 2nd century BCE.

SEE MORE: Click the Google Earth link for the Temple of Portunus www.myartslab.com



**6-17 • PLAN OF TEMPLE**Forum Boarium (Cattle Market), Rome.

the building and explore its uniformly articulated sculptural mass, Roman temples are defined in relation to interior spaces, which visitors are invited to enter through one opening along the longitudinal axis of a symmetrical plan.

By the first century BCE, nearly a million people lived in Rome, which had evolved into the capital of a formidable commercial and political power with a growing overseas empire. As long as Republican Rome was essentially a large city-state, its form of government—an oligarchy under the control of a Senate— remained feasible. But as the empire around it grew larger and larger, a government of competing senators and military commanders could not enforce taxation and maintain order in what was becoming a vast and complicated territorial expanse. As governance of the Republic began to fail, power became concentrated in fewer and fewer leaders, until it was ruled by one man, an emperor, rather than by the Senate.

## THE EARLY EMPIRE, 27 BCE-96 CE

The first Roman emperor was born Octavian in 63 BCE. When he was only 18 years old, his brilliant great-uncle, Julius Caesar, adopted him as son and heir, recognizing in him qualities that would make him a worthy successor. Shortly after Julius Caesar refused the Senate's offer of the imperial crown, early in 44 BCE, he was murdered by a group of conspirators, and the 19-year-old Octavian stepped up. Over the next 17 spectacular years, as general, politician, statesman, and public-relations genius, Octavian vanquished warring internal factions and brought peace to fractious provinces. By 27 BCE, the Senate had conferred on him the title of Augustus (meaning "exalted," "sacred"). Assisted by his astute and pragmatic second wife, Livia, Augustus led the state and the empire for 45 years. He established efficient rule and laid the foundation for an extended period of stability, domestic peace, and economic prosperity known as the Pax Romana ("Roman Peace"), which lasted over 200 years (27 BCE to 180 CE). In 12 CE, two years before his death, he was given the title Pontifex Maximus ("High Priest"), becoming the empire's highest religious official as well as its political leader.

Conquering and maintaining a vast empire required not only the inspired leadership and tactics of Augustus, but also careful planning, massive logistical support, and great administrative skill. Some of Rome's most enduring contributions to Western civilization reflect these qualities—its system of law, its governmental and administrative structures, and its sophisticated civil engineering and architecture.

To facilitate the development and administration of the empire, as well as to make city life comfortable and attractive to its citizens, the Roman state undertook building programs of unprecedented scale and complexity, mandating the construction of central administrative and legal centers (forums and basilicas), recreational facilities (racetracks, stadiums), temples, markets, theaters, public baths, aqueducts, middle-class housing, and even entire new towns. To accomplish these tasks without sacrificing

beauty, efficiency, and human well-being, Roman builders and architects developed rational plans using easily worked but durable materials and highly sophisticated engineering methods.

To move their armies about efficiently, to speed communications between Rome and the farthest reaches of the empire, and to promote commerce, the Romans built a vast and complex network of roads and bridges. Many modern European highways still follow the lines laid down by Roman engineers, some Roman bridges are still in use, and Roman-era foundations underlie the streets of many cities.

#### ART IN THE AGE OF AUGUSTUS

Roman artists of the Augustan age created a new style—a new Roman form of idealism that, though still grounded in the appearance of the everyday world, is heavily influenced by a revival of Greek Classical ideals. They enriched the art of portraiture in both official images and representations of private individuals, they recorded contemporary historical events on public monuments, and they contributed unabashedly to Roman imperial propaganda.

AUGUSTUS OF PRIMAPORTA. In the sculpture known as **AUGUSTUS OF PRIMAPORTA** (FIG. 6–18)—because it was discovered in Livia's villa at Primaporta, near Rome—we see the emperor as he wanted to be seen and remembered. This work demonstrates the creative combination of earlier sculptural traditions that is a hallmark of Augustan art. In its idealization of a specific ruler and his provess, the sculpture also illustrates the way Roman emperors would continue to use portraiture for propaganda.

The sculptor of this larger-than-life marble statue adapted the standard pose of a Roman orator (SEE FIG. 6–14) by melding it with the contrapposto and canonical proportions developed by the Greek High Classical sculptor Polykleitos, as exemplified by his *Spear Bearer* (see "The Canon of Polykleitos," page 134). Like the heroic Greek figure, Augustus' portrait captures him in the physical prime of youth, far removed from the image of advanced age idealized in the coin portrait of Julius Caesar. Although Augustus lived to age 70, in his portraits he is always a vigorous ruler, eternally young. But like Caesar, and unlike the *Spear Bearer*, Augustus' face is rendered with the kind of details that make this portrait an easily recognizable likeness.

To this combination of Greek and Roman traditions, the sculptor of the *Augustus of Prima porta* added mythological and historical imagery that exalts Augustus' family and celebrates his accomplishments. Cupid, son of the goddess Venus, rides a dolphin next to the emperor's right leg, a reference to the claim of the emperor's family, the Julians, to descent from the goddess Venus through her human son Aeneas. Augustus' anatomically conceived cuirass (torso armor) is also covered with figural imagery. Midtorso is a scene representing Augustus' 20 BCE diplomatic victory over the Parthians; a Parthian (on the right) returns a Roman military standard to a figure variously identified as a Roman soldier or the goddess Roma. Looming above this scene at the top

of the cuirass is a celestial deity who holds an arched canopy, implying that the peace signified by the scene below has cosmic implications. The personification of the earth at the bottom of the cuirass holds an overflowing cornucopia, representing the prosperity that peace brings.

Another Augustan monument that synthesizes Roman traditions and Greek Classical influence to express the peace and prosperity that Augustus brought to Rome is the **ARA PACIS AUGUSTAE** (see "The Ara Pacis Augustae," page 176–177). The processional friezes on the exterior sides of the enclosure wall

clearly reflect Classical Greek works like the Ionic frieze of the Parthenon (SEE FIG. 5–35), with their three-dimensional figures wrapped in revealing draperies that also create patterns of rippling folds. But unlike the Greek sculptors who created an unspecific, and thus timeless, procession for the Parthenon, the Roman sculptors of the Ara Pacis depicted actual individuals participating in a specific event at a known time. The Classical style may evoke the general notion of a Golden Age, but the historical references and identifiable figures in the Ara Pacis procession associate that Golden Age specifically with Augustus and his dynasty.



6-18 • AUGUSTUS
OF PRIMAPORTA
Early 1st century ce. Perhaps
a copy of a bronze statue of
c. 20 BCE. Marble, originally
colored, height 6'8" (2.03 m).
Musei Vaticani, Braccio
Nuovo, Rome.



# THE OBJECT SPEAKS

# The Ara Pacis Augustae



A. ARA PACIS AUGUSTAE (ALTAR OF AUGUSTAN PEACE)

Rome. 13–9 BCE. Marble, approx.  $34'5'' \times 38'$  (10.5  $\times$  11.6 m). View of west side.

This monument was begun when Augustus was 50 (in 13 BCE) and was dedicated on Livia's 50th birthday (9 BCE).

One of the most extraordinary surviving Roman monuments from the time of Augustus is the Ara Pacis Augustae, or Altar of Augustan Peace (FIG. A), begun in 13 BCE and dedicated in 9 BCE, on the occasion of Augustus' triumphal return to the capital after three years spent establishing Roman rule in Gaul and Hispania. In its original location in the Campus Martius (Plain of Mars), the Ara Pacis was aligned with a giant sundial, marked out on the pavement with lines and bronze inscriptions, using as its pointer an Egyptian obelisk that Augustus had earlier brought from Heliopolis to signify Roman dominion over this ancient land.

The Ara Pacis itself consists of a walled rectangular enclosure surrounding an openair altar, emulating Greek custom. Made entirely of marble panels carved with elaborate sculpture, the monument

presented powerful propaganda, uniting portraiture and allegory, religion and politics, the private and the public. On the inner walls, foliate garlands are suspended in swags from ox skulls. The skulls symbolize sacrificial offerings at the altar during annual commemorations, and the garlands—including fruits and flowers from every season—signify the continuing peace and prosperity that Augustus brought to the Roman world.

On the exterior, this theme of natural prosperity continues in lower reliefs of lavish, scrolling acanthus populated by animals. Above them, decorative allegory gives way to figural tableaux. On the front and back are framed allegorical scenes evoking the mythical history of Rome and the divine ancestry of Augustus. The longer sides portray two continuous processions,

seemingly representing actual historical events rather than myth or allegory. Perhaps they document Augustus' triumphal return, or they could memorialize the dedication and first sacrifice performed by Augustus on the completed altar itself. In any event, the arrangement of the participants is emblematic of the fundamental dualism characterizing Roman rule under Augustus. On one side march members of the Senate, a stately line of male elders. But on the other process Augustus' imperial family (FIG. B)men, women, and notably children, who stand in the foreground as Augustus' hopes for dynastic succession. Whereas most of the adults maintain their focus on the ceremonial event, the imperial children are allowed to fidget, look at their cousins, or reach up to find comfort in holding the hands or tugging at the garments of the



## **B. IMPERIAL PROCESSION**

Detail of a relief on the south side of the Ara Pacis. Height 5'2" (1.6 m).

The figures in this frieze represent members of Augustus' extended family, and scholars have proposed some specific identifications. The middle-aged man with the shrouded head at the far left may be Marcus Agrippa, who would have been Augustus' successor had he not predeceased him in 12 ce. The bored but well-behaved youngster pulling at Agrippa's robe—and being restrained gently by the hand of the man behind him—is probably Agrippa's son Gaius Caesar. The heavily swathed woman next to Agrippa on the right may

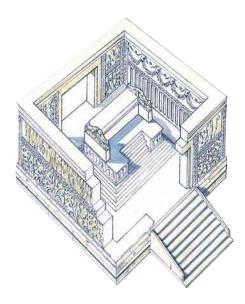
be Augustus' wife, Livia, followed by Tiberius, who would become the next emperor. Behind Tiberius could be Antonia, the niece of Augustus, looking back at her husband, Drusus, Livia's younger son. She may grasp the hand of Germanicus, one of her younger children. The depiction of children and real women in an official relief was new to the Augustan period and reflects Augustus' desire to promote private family life as well as to emphasize his potential heirs.

adults around them, one of whom puts her finger to her mouth in a shushing gesture, perhaps seeking to mitigate their distracting behavior. The lifelike aura brought by such anecdotal details underlines the earthborn reality of the ideology embodied here. Rome is now subject to the imperial rule of the family of Augustus, and this stable system will bring continuing peace and prosperity since his successors have already been born.

The Ara Pacis did not survive from antiquity in the form we see today. The monument eventually fell into disuse, ultimately into ruin. Remains were first discovered in 1568, but complete excavation took place only in 1937–1938, under the supervision of archaeologist Giuseppe Moretti, sponsored by dictator Benito Mussolini, who was fueled by his own ideological objectives. Once the monument had been unearthed. Mussolini had it

reconstructed and commissioned a special building to house it, close to the **Mausoleum** of Augustus (a mausoleum is a monumental tomb), all in preparation for celebrating the 2,000th anniversary of the birth of Augustus and associating the Roman imperial past with Mussolini's fascist state. The dictator even planned his own burial within Augustus' mausoleum.

More recently, the City of Rome commissioned American architect Richard Meier to design a new setting for the Ara Pacis, this time within a sleek, white box with huge walls of glass that allow natural light to flood the exhibition space (seen in fig. A). Many Italian critics decried the Modernist design of Meier's building—completed in 2006—but this recent urban renewal project focused on the Ara Pacis has certainly revived interest in one of the most precious remains of Augustan Rome.



C. RECONSTRUCTION DRAWING OF THE ARA PACIS AUGUSTAE

SEE MORE: Click the Google Earth link for the building designed by Richard Meier to house the Ara Pacis Augustae www.myartslab.com

### THE JULIO-CLAUDIANS

After his death in 14 CE, Augustus was deified by decree of the Roman Senate. Augustus's successor was his stepson Tiberius (r. 14–37 CE), and in acknowledgment of the lineage of both—Augustus from Julius Caesar and Tiberius from his father, Tiberius Claudius Nero, Livia's first husband—the dynasty is known as the Julio-Claudian (14–68 CE). It ended with the death of Nero in 68 CE.

Exquisite skill characterizes the arts of the first century CE. A large onyx cameo (a gemstone carved in low relief) known as the **GEMMA AUGUSTEA** glorifies Augustus as triumphant over barbarians (a label for foreigners that the Romans adopted from the Greeks) and as the deified emperor (FIG. 6–19). The emperor, crowned with a victor's wreath, sits at the center right of the upper register. He has assumed the pose and identity of Jupiter, the king of the gods; an eagle, sacred to Jupiter, stands at his feet. Sitting next to him is a personification of Rome that seems to have Livia's features. The sea goat in the roundel between them may represent Capricorn, the emperor's zodiac sign.

Tiberius, as the adopted son of Augustus, steps out of a chariot at far left, returning victorious from the German front and prepared to assume the imperial throne as Augustus's chosen heir. Below this realm of godlike rulers, Roman soldiers are raising a post or standard on which armor captured from the defeated enemy is displayed as a trophy. The cowering, shackled barbarians on the bottom right wait to be tied to it. The artist of the *Gemma Augustea* brilliantly combines idealized, heroic figures based on Classical Greek art with recognizable Roman portraits, the

dramatic action of Hellenistic art with Roman attention to descriptive detail and historical specificity.

### ROMAN CITIES AND THE ROMAN HOME

In good times and bad, individual Romans—like people everywhere at any time—tried to live a decent or even comfortable life with adequate shelter, food, and clothing. The Romans loved to have contact with the natural world. The middle classes enjoyed their gardens, wealthy city dwellers maintained rural estates, and Roman emperors had country villas that were both functioning farms and places of recreation. Wealthy Romans even brought nature indoors by commissioning artists to paint landscapes on the interior walls of their homes. Through the efforts of the modern archaeologists who have excavated them, Roman cities and towns, houses, apartments, and country villas still evoke for us the ancient Roman way of life with amazing clarity.

ROMAN CITIES. Roman architects who designed new cities or who expanded and rebuilt existing ones based the urban plan on the layout of Roman army camps. Like Etruscan towns, they were laid out in a grid with two bisecting main streets crossed at right angles to divide the layout into quarters. The **forum** and other public buildings were located at this intersection, where the commander's headquarters was placed in a military camp.

Much of the housing in a Roman city consisted of brick apartment blocks called *insulae*. These apartment buildings had internal courtyards, multiple floors joined by narrow staircases, and

occasionally overhanging balconies. City dwellers—then as now—were social creatures who spent much of their lives in public markets, squares, theaters, baths, and neighborhood bars. The city dweller returned to the *insulae* to sleep, perhaps to eat. Even women enjoyed a public life outside the home—a marked contrast to the circumscribed lives of Greek women.

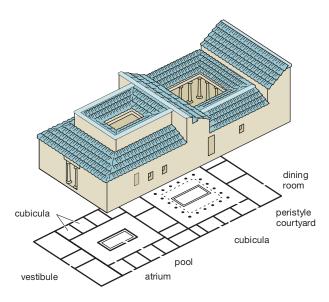
The affluent southern Italian city of Pompeii, a thriving center of between 10,000 and 20,000 inhabitants, gives a vivid picture of Roman city life. In 79 CE Mount Vesuvius erupted, burying the city under more than 20 feet of volcanic ash and preserving it until its rediscovery and excavation, beginning in the eighteenth century (FIGS. 6–20, 6–21). Temples and government buildings surrounded a main square, or forum; shops and houses lined



6-19 • GEMMA AUGUSTEA

Early 1st century ce. Onyx,  $7^1/2 \times 9''$  (19  $\times$  23 cm). Kunsthistorisches Museum, Vienna.





6-22 • PLAN AND RECONSTRUCTION DRAWING, HOUSE OF THE SILVER WEDDING

Pompeii. 1st century CE.

mostly straight, paved streets; and a protective wall enclosed the heart of the city. The forum was the center of civic life in Roman cities, as the agora was in Greek cities. Business was conducted in its basilicas and porticos, religious duties performed in its temples, and speeches delivered in its open square. For recreation, people went to the nearby baths or to events in the theater or amphitheater.

ROMAN HOUSES. City dwellers lived in houses, and even gracious private residences with gardens often had shops in front of them facing the street. The Romans emphasized the interior rather than the exterior in their domestic architecture.

A Roman house usually consisted of small rooms laid out around one or two open courts, the atrium and the peristyle (FIG. 6–22). People entered the house through a vestibule and stepped into the atrium, a large space with a pool or cistern for catching rainwater. The peristyle was a planted courtyard, further into the house, enclosed by columns. Off the peristyle was the formal reception room or office called the tablinum, and here the head of the household conferred with clients. Portrait busts of the family's ancestors might be displayed in the tablinum or in the atrium. The private areas—such as the family dining and sitting rooms, as well as bedrooms (cubicula)—and service areas—such as the kitchen and servants' quarters—could be arranged around the peristyle or the atrium. In Pompeii, where the mild southern climate permitted gardens to flourish year-round, the peristyle was often turned into an outdoor living room with painted walls, fountains, and



**6-23 • PERISTYLE GARDEN, HOUSE OF THE VETTII** Pompeii. Rebuilt 62-79 ce.

sculpture, as in the mid first-century CE remodeling of the second-century BCE **HOUSE OF THE VETTII** (FIG. 6–23). Since Roman houses were designed in relation to a long axis that runs from the entrance straight through the atrium and into the peristyle, visitors were greeted at the door of the house with a deep vista, showcasing the lavish residence of their host and its beautifully designed and planted gardens extending into the distance.

Little was known about these gardens until archaeologist Wilhelmina Jashemski began the excavation of the peristyle in the House of G. Polybius in Pompeii in 1973. Earlier archaeologists had usually ignored, or unwittingly destroyed, evidence of gardens, but Jashemski developed a new way to find and analyze the layout and the plants cultivated in them. Workers first removed layers of debris and volcanic material to expose the level of the soil as it was before the eruption in 79 CE. They then collected samples of pollen, seeds, and other organic material and carefully injected plaster into underground root cavities. When the surrounding earth was removed, the roots, now in plaster, enabled botanists to

dining room kitchen "Ixion Room" atrium pool entrance garden 0 peristyle courtyard 10 meters 30 feet

**6-24 • PLAN, HOUSE OF THE VETTII** Pompeii. Rebuilt 62–79 cs.

identify the types of plants and trees cultivated in the garden and to estimate their size.

The garden in the house of Polybius was surrounded on three sides by a portico, which protected a large cistern on one side that supplied the house and garden with water. Young lemon trees in pots lined the fourth side of the garden, and nail holes in the wall above the pots indicated that the trees had been espaliered—pruned and trained to grow flat against a support—a practice still in use today. Fig, cherry, and pear trees filled the garden space, and traces of a fruit-picking ladder, wide at the bottom and narrow at the top to fit among the branches, was found on the site.

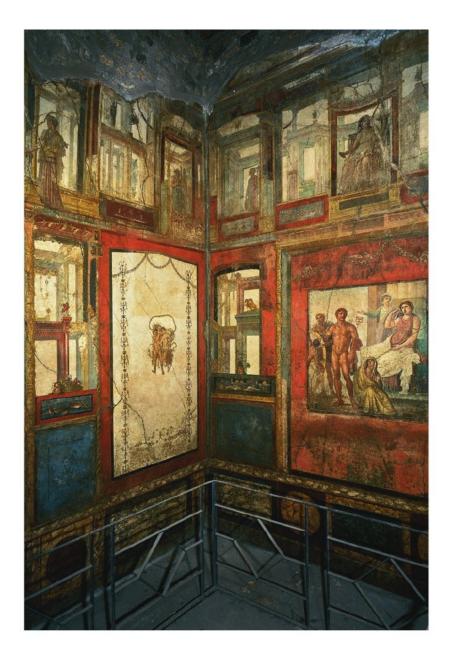
An aqueduct built during the reign of Augustus eliminated Pompeii's dependence on wells and rainwater basins and allowed residents to add pools, fountains, and flowering plants that needed heavy watering to their gardens. In contrast to earlier, unordered plantings, formal gardens with low, clipped borders and plantings of ivy, ornamental boxwood, laurel, myrtle, acanthus, and rosemary—all mentioned by writers of the time—became

fashionable. There is also evidence of topiary work, the clipping of shrubs and hedges into fanciful shapes. Sculpture and purely decorative fountains became popular. The peristyle garden of the House of the Vettii, for example, had more than a dozen fountain statues jetting water into marble basins (SEE FIG. 6–23). In the most elegant peristyles, mosaic decorations covered the floors, walls, and even the fountains.

### WALL PAINTING

The interior walls of Roman houses were plain, smooth plaster surfaces with few architectural moldings or projections. On these invitingly blank fields, artists painted decorations. Some used mosaic, but most employed pigment suspended in a water-based solution of lime and soap, sometimes with a little wax. After such paintings were finished, they were polished with a special metal, glass, or stone burnisher and then buffed with a cloth. Many fine wall paintings have come to light through excavations, first in Pompeii and other communities surrounding Mount Vesuvius, near Naples, and more recently in and around Rome.

House of the Vettii. Some of the finest surviving Roman wall paintings are found in the Pompeian House of the Vettii, whose peristyle garden we have already explored (SEE FIG. 6–23). The house was built in conformity to the axial house plan—with entrance leading through atrium to peristyle garden (FIG. 6–24)—by two brothers, wealthy freed slaves A. Vettius Conviva

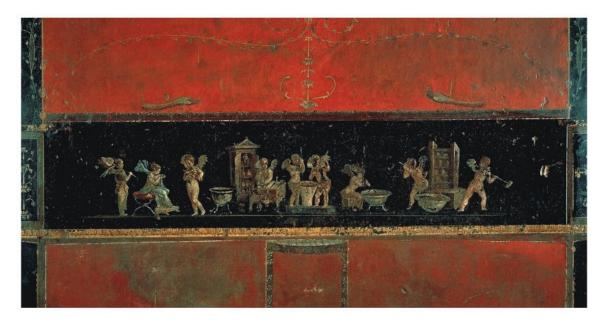


6-25 • WALL PAINTING IN THE "IXION ROOM," HOUSE OF THE VETTII

Pompeii. Rebuilt 62-79 cE.

and A. Vettius Restitutus. Between its damage during an earthquake in 62 CE and the eruption of Vesuvius in 79 CE, the walls of the house were repainted, and this spectacular decoration was uncovered in a splendid state of preservation during excavations at the end of the nineteenth century.

A complex combination of painted fantasies fills the walls of a reception room off the peristyle garden (FIG. 6-25). At the base of the walls is a lavish frieze of simulated colored-marble revetment, imitating the actual stone veneers that are found in some Roman residences. Above this "marble" dado are broad areas of pure red or white, onto which are painted pictures resembling framed panel paintings (like that in FIG. 6-1), swags of floral garlands or unframed figural vignettes. The framed picture here illustrates a Greek mythological scene from the story of Ixion, who was bound by Zeus to a spinning wheel in punishment for attempting to seduce Hera. Between these pictorial fields, and along a long strip above them that runs around the entire room, are fantastic architectural vistas with multicolored columns and undulating entablatures that recede into fictive space through the use of fanciful linear perspective. The fact that this fictive architecture is occupied here and there by volumetric figures only enhances the sense of three-dimensional spatial definition. On the broad red fields covering the walls of another room of this house, energetic cupids play at industrious human pursuits such as pharmacy, goldsmithing, and making perfume (FIG. 6-26).



6-26 • CUPIDS
MAKING PERFUME,
WALL PAINTING IN
THE HOUSE OF THE
VETTII

Pompeii. Rebuilt 62-79 cE.

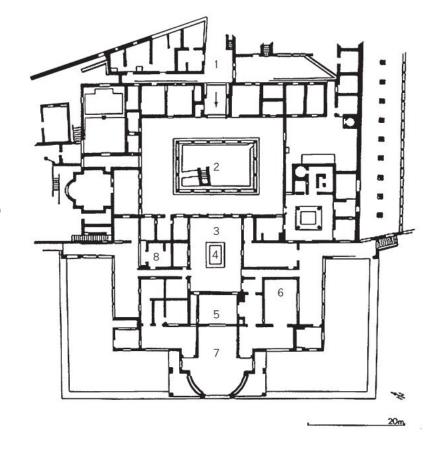
VILLA OF THE MYSTERIES. The eruption of Vesuvius in 79 CE preserved not only the houses along the city streets within Pompeii, but also the so-called **VILLA OF THE MYSTERIES** just outside the city walls **(FIG. 6–27)**. Villas were the country houses of wealthy Romans, and their plans, though resembling town houses,

were often more expansive and irregular. At the Villa of the Mysteries, for example, the entrance leads through the peristyle to the atrium, a reversal of the standard progression. Within this suburban villa a series of elaborate figural murals (FIG. 6–28) seem to portray the initiation rites of a mystery religion, probably the

# 6-27 • PLAN, VILLA OF THE MYSTERIES

Pompeii, early 2nd century BCE.

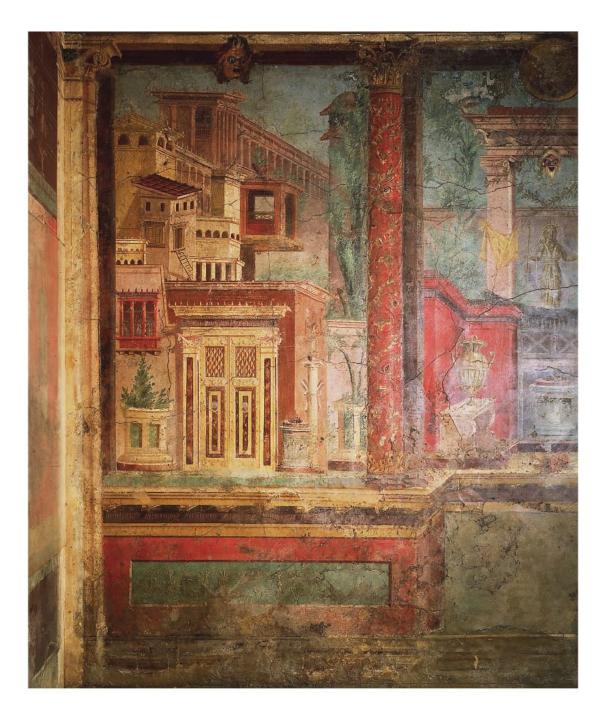
- 1 entrance foyer
- 2 peristyle
- 3 atrium
- 4 pool (water basin)
- 5 tablinum (office, official reception room)
- 6 room with paintings of mysteries
- 7 terrace
- 8 bedroom



6-28 • INITIATION RITES OF THE CULT OF BACCHUS (?), VILLA OF THE MYSTERIES

Pompeii. Wall painting. c. 60-50 BCE.



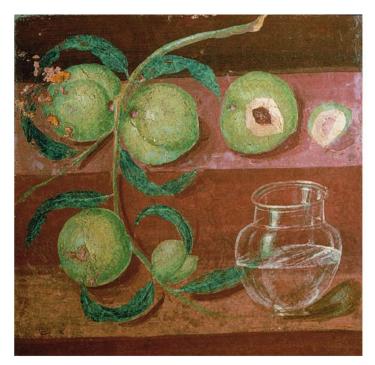


6-29 • CITYSCAPE, HOUSE OF PUBLIUS FANNIUS SYNISTOR Boscoreale. Detail of a wall painting from a bedroom. c. 50-30 BCE. Metropolitan Museum of Art, New York. Rogers Fund, 1903 (03.14.13)

cult of Bacchus, which were often performed in private homes as well as in special buildings or temples. Perhaps this room in this villa was a shrine or meeting place for such a cult to this god of vegetation, fertility, and wine. Bacchus (or Dionysus) was one of the most important deities in Pompeii.

The entirely painted architectural setting consists of a simulated marble dado (similar to that which we saw in the House of the Vettii) and, around the top of the wall, an elegant frieze supported by pilaster strips. The figural scenes take place on a shallow "stage" along the top of the dado, with a background of a brilliant, deep red—now known as Pompeian red—that, as we have already seen, was very popular with Roman painters. The tableau unfolds around the entire room, perhaps depicting a succession of events that culminate in the acceptance of an initiate into the cult.

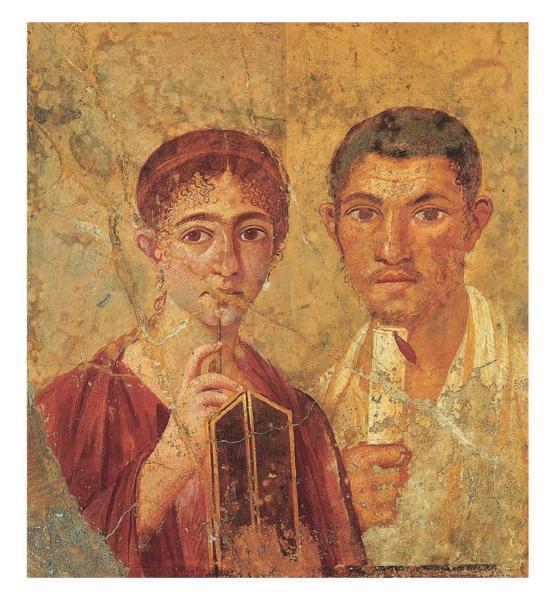
VILLA AT BOSCOREALE. The walls of a room from another villa, this one at Boscoreale, farther removed from Pompeii, open onto a fantastic urban panorama (FIG. 6–29). Surfaces seem to dissolve behind an inner frame of columns and lintels, opening onto a maze of complicated architectural forms, like the painted scenic backdrops of a stage. Indeed, the theater may have inspired this kind of decoration, as the theatrical masks hanging from the lintels seem to suggest. By using a kind of **intuitive perspective**, the artists have created a general impression of real space. In intuitive perspective, the architectural details follow diagonal lines that the eye interprets as parallel lines receding into the distance, and objects meant to be perceived as far away from the surface plane of the wall are shown gradually smaller and smaller than those intended to appear in the foreground.



6-30 • STILL LIFE, HOUSE OF THE STAGS (CERVI)
Herculaneum. Detail of a wall painting.
Before 79 ce. Approx. 1'2" × 1'1½"
(35.5 × 31.7 cm). Museo Archeologico Nazionale, Naples.

ROMAN REALISM IN DETAILS: STILL LIFES AND PORTRAITS. In addition to city views and figural tableaux, other subjects that appeared in Roman art included delicately painted landscapes, exquisitely rendered **still lifes** (compositions of inanimate objects), and portraits. A still-life panel from Herculaneum, a community in the vicinity of Mount Vesuvius near Pompeii, depicts everyday domestic objects—still-green peaches just picked from the tree and a glass jar half-filled with water (FIG. 6–30). The items have been carefully arranged on two stepped shelves to give the composition clarity and balance. A strong, clear light floods the picture from left to right, casting shadows, picking up highlights, and enhancing the illusion of solid objects in real space.

Among the paintings discovered on the walls of Pompeian houses, few are as arresting as a double portrait of a young husband and wife (FIG. 6–31), who look out from their simulated spatial world through the wall into the viewers' space within the room. The swarthy, wispy-bearded man addresses us with a direct stare, holding a scroll in his left hand, a conventional attribute of educational achievement seen frequently in Roman portraits. Though his wife overlaps him to stake her claim to the



6-31 • PORTRAIT OF A MARRIED COUPLE Wall painting from Pompeii. Mid 1st century ce. Height 25<sup>1</sup>/<sub>2</sub>" (64.8 cm). Museo Archeologico Nazionale, Naples.



6-32 • THE ARCH OF TITUS

Rome. c. 81 cE (restored 1822-1824). Concrete and white marble, height 50' (15 m).

The dedication inscribed across the tall attic story above the arch opening reads: "The Senate and the Roman people to the Deified Titus Vespasian Augustus, son of the Deified Vespasian." The perfectly sized and spaced Roman capital letters meant to be read from a distance and cut with sharp terminals (serifs) to catch the light established a standard that calligraphers and font designers still follow.

SEE MORE: Click the Google Earth link for the Arch of Titus www.myartslab.com

foreground, her gaze out at us is less direct. She also holds fashionable attributes of literacy—the stylus she elevates in front of her chin and the folding writing tablet on which she would have used the stylus to inscribe words into a wax infill. This picture is comparable to a modern studio portrait photograph—perhaps a wedding picture—with its careful lighting and retouching, conventional poses and accoutrements. But the attention to physiognomic detail—note the differences in the spacing of their eyes and the shapes of their noses, ears, and lips—makes it quite clear that we are in the presence of actual human likenesses.

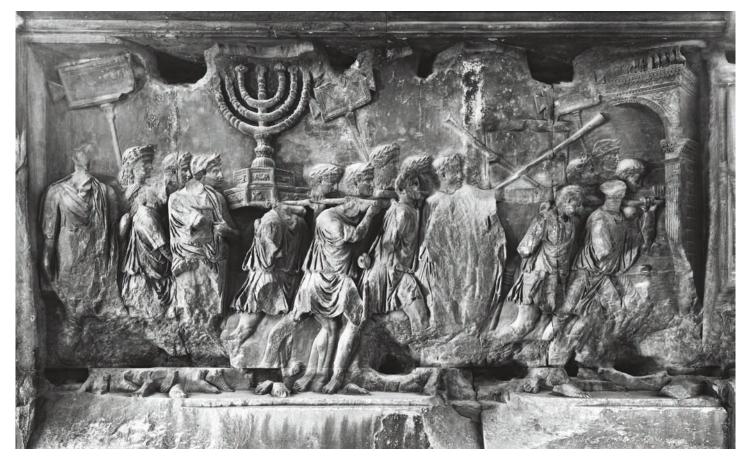
#### THE FLAVIANS

The Julio-Claudian dynasty ended with the suicide of Nero in 68 CE, which led to a brief period of civil war. Eventually an astute general, Vespasian, seized control of the government in 69 CE, founding a new dynasty known as the Flavians. The new line of emperors were practical military men who inspired confidence and ruled for the rest of the first century. They restored the imperial finances and stabilized the frontiers. They also replaced the Julio-Claudian fashion for classicizing imperial portraiture with a return to the ideal of time-worn faces, enhancing the effects of old age.

THE ARCH OF TITUS. Among the most impressive surviving official commissions from the Flavian dynasty is a distinctive Roman

structure: the triumphal arch. Part architecture, part sculpture, the free-standing arch commemorates a triumph, or formal victory celebration, during which a victorious general or emperor paraded through Rome with his troops, captives, and booty. When Domitian assumed the throne in 81 CE, for example, he immediately commissioned a triumphal arch to honor the capture of Jerusalem in 70 CE by his brother and deified predecessor, Titus (FIG. 6–32). The ARCH OF TITUS, constructed of concrete and faced with marble, is essentially a free-standing gateway whose passage is covered by a barrel vault. The arch served as a giant base, 50 feet tall, for a lost bronze statue of the emperor in a four-horse chariot, a typical triumphal symbol. Applied to the faces of the arch are columns in the Composite order supporting an entablature. The inscription on the uppermost, or attic, story declares that the Senate and the Roman people erected the monument to honor Titus.

Titus' capture of Jerusalem ended a fierce campaign to crush a revolt of the Jews in Palestine. The Romans sacked and destroyed the Second Temple in Jerusalem, carried off its sacred treasures, then displayed them in a triumphal procession in Rome (FIG. 6–33). A relief on the inside walls of the arch, capturing the drama of the occasion, depicts Titus' soldiers flaunting this booty as they carry it through the streets of Rome. The soldiers are headed toward the right and through an arch, turned obliquely to project into the viewers' own space, thus allowing living spectators a sense



**6-33 • SPOILS FROM THE TEMPLE OF SOLOMON**Relief in the passageway of the Arch of Titus. Marble, height 6'8" (2.03 m).

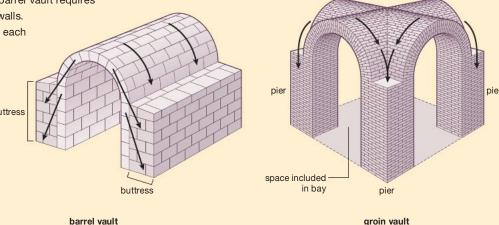
# **ELEMENTS OF ARCHITECTURE | Roman Vaulting**

The Romans became experts in devising methods of covering large, open architectural spaces with concrete and masonry, using barrel vaults, groin vaults, or domes.

A **barrel vault** is constructed in the same manner as the round arch (see "The Roman Arch," page 172). In a sense, it is a series of connected arches extended in sequence along a line. The outward pressure exerted by the curving sides of the barrel vault requires buttressing within or outside the supporting walls.

When two barrel-vaulted spaces intersect each other at the same level, the result is a **groin**vault. Both the weight and outward thrust of the groin vault are concentrated on four corner piers; only the piers require buttressing, so the walls on all four buttress sides can be opened. The Romans used the groin vault to construct some of their grandest interior spaces.

A third type of vault brought to technical perfection by the Romans is the **dome**. The rim of the dome is supported on a circular wall, as in the Pantheon (SEE FIGS. 6–45, 6–46, 6–48). This wall is called a drum when it is raised on top of a main structure. Sometimes a circular opening, called an **oculus**, is left at the top.



SEE MORE: View a simulation of the groin vault www.myartslab.com

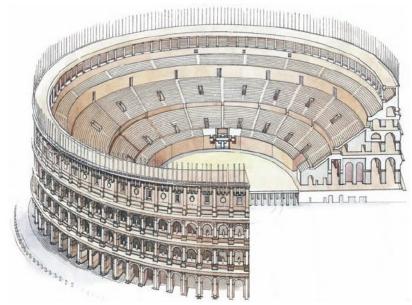
of the press of a boisterous, disorderly crowd. They might expect at any moment to hear soldiers and onlookers shouting and chanting.

The mood of the procession depicted in this relief contrasts with the relaxed but formal solemnity of the procession portrayed on the Ara Pacis (see page 177, FIG. B). Like the sculptors of the Ara Pacis, the sculptors of the Arch of Titus showed the spatial relationships among figures, varying the depth of the relief by rendering nearer elements in higher relief than those more distant. A menorah, or seven-branched lampholder, from the Temple of Jerusalem, dominates the scene; the sculptors rendered it as if seen from the low point of view of a spectator at the event.

THE FLAMAN AMPHITHEATER. Romans were huge sports fans, and the Flavian emperors catered to their tastes by building splendid facilities. Construction of the **FLAMAN AMPHITHEATER**, Rome's greatest arena (**FIG. 6–34**), began under Vespasian in 70 CE and was completed under Titus, who dedicated it in 80 CE. The Flavian Amphitheater came to be known as the "Colosseum," because a gigantic statue of Nero called the *Colossus* stood next to it. "Colosseum" is a most appropriate description of this enormous entertainment center. Its outer wall stands 159 feet high. It is an oval, measuring 615 by 510 feet, with a floor 280 by 175 feet. This floor was laid over a foundation of service rooms and tunnels that provided an area for the athletes, performers, animals, and equipment. The floor was covered

by sand, *arena* in Latin, hence the English term "arena" for a building of this type.

Roman audiences watched a variety of athletic events, blood sports, and spectacles, including animal hunts, fights to the death



6-34 • RECONSTRUCTION DRAWING OF THE FLAVIAN AMPHITHEATER (COLOSSEUM)
Rome. 70-80 ce.

SEE MORE: View a video about the Flavian Amphitheater (Colosseum) www.myartslab.com



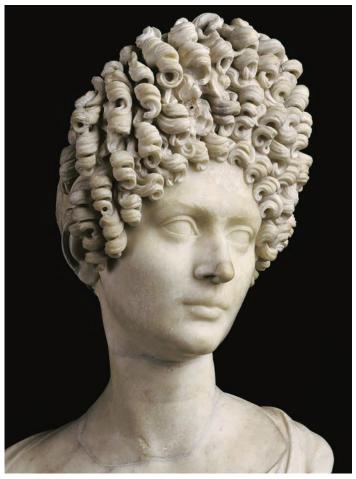
6-35 • FLAVIAN AMPHITHEATER, OUTER WALL Rome. 70-80 ce.

between gladiators or between gladiators and wild animals, performances of trained animals and acrobats, and even mock sea battles, for which the arena would be flooded. The opening performances in 80 CE lasted 100 days, during which time it was claimed that 9,000 wild animals and 2,000 gladiators died for the amusement of the spectators.

The amphitheater is a remarkable piece of planning, with easy access, perfect sight lines for everyone, and effective crowd control. Stadiums today are still based on this efficient plan. Some 50,000 spectators could move easily through the 76 entrance doors to the three levels of seats and the standing area at the top Each spectator had an uninterrupted view of the events below. Each level of seats was laid over barrel-vaulted access corridors and entrance tunnels (SEE FIG. 6–34). The intersection of the barrel-vaulted entrance tunnels and the ring corridors created groin vaults (see "Roman Vaulting," opposite). The walls on the top level of the arena supported a huge awning that could shade the seating areas. Sailors, who had experience in handling ropes, pulleys, and large expanses of canvas, worked the apparatus that extended the awning.

The curving, outer wall of the Colosseum consists of three levels of arcades surmounted by a wall-like attic (top) story. Each arch is framed by engaged columns. Entablature-like friezes mark the divisions between levels (FIG. 6–35). Each level also uses a different architectural order, increasing in complexity from bottom to top: the plain Tuscan order on the ground level, Ionic on the second level, Corinthian on the third, and Corinthian pilasters on the fourth. The attic story is broken by small, square windows, which originally alternated with gilded-bronze shield-shaped ornaments called **cartouches**, supported on brackets that are still in place.

All these elements are purely decorative. As we saw in the Etruscan Porta Augusta (SEE FIG. 6–2), the addition of post-and-lintel decoration to arched structures was an Etruscan innovation. The systematic use of the orders in a logical succession from sturdy Tuscan to lighter Ionic to decorative Corinthian follows a tradition inherited from Hellenistic architecture. This orderly, dignified, and visually satisfying way of organizing the façades of large buildings is still popular. Unfortunately, much of the Colosseum was dismantled in the Middle Ages as a source of marble, metal fittings, and materials for buildings such as churches.







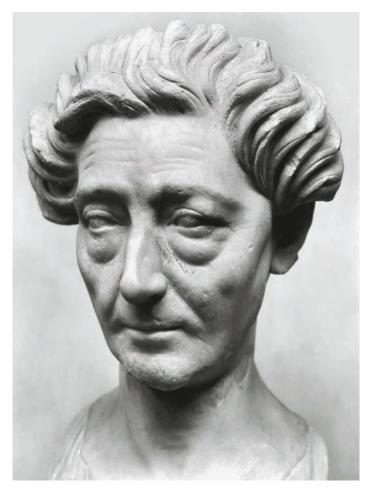
PORTRAIT Sculpture. Roman patrons continued to expect recognizable likenesses in their portraits, but this did not preclude idealization. A portrait sculpture of a **YOUNG FLAMAN WOMAN** (FIG. 6–36) is idealized in a manner similar to the *Augustus of Prima porta* (SEE FIG. 6–18). Her well-observed, recognizable features—a strong nose and jaw, heavy brows, deep-set eyes, and a long neck—contrast with the smoothly rendered flesh and soft, sensual lips. Her hair is piled high in an extraordinary mass of ringlets following the latest court fashion. Executing the head required skillful chiseling and **drillwork**, a technique for rapidly cutting deep grooves with straight sides, as was done here to render the holes in the center of the curls. The overall effect, especially from a distance, is quite lifelike. The play of natural light over the more subtly sculpted marble surfaces simulates the textures of real skin and hair.

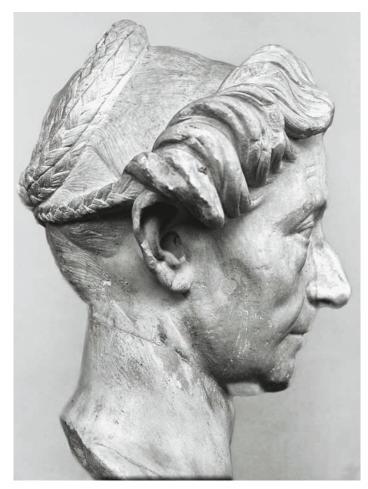
A contemporary bust of an older woman (FIG. 6–37) presents a strikingly different image of its subject. Although she also wears her hair in the latest fashion, it is less elaborate and less painstakingly confected and carved than that of her younger counterpart. The work emphasizes not the fresh sheen of an unblemished face, but a visage clearly marked by the passage of

time during a life well lived. We may regard this portrait as less idealized and more naturalistic, but for a Roman viewer, it conformed to an ideal of age and accomplishment by showcasing signs of aging, facial features cherished since the Republican period as reflections of virtue and venerability.

# THE HIGH IMPERIAL ART OF TRAJAN AND HADRIAN

Domitian, the last Flavian emperor, was assassinated in 96 CE and succeeded by a senator, Nerva (r. 96–98 CE), who designated as his successor Tra jan, a general born in Spain who had commanded Roman troops in Germany. For nearly a century, the empire was under the control of brilliant administrators. Instead of depending on the vagaries of fate (or genetics) to produce intelligent heirs, the emperors Nerva (r. 96–98 CE), Tra jan (r. 98–117 CE), Hadrian (r. 117–138 CE), and Antoninus Pius (r. 138–161 CE)—but not his successor, Marcus Aurelius (r. 161–180 CE)—each selected an able administrator to follow him, thus "adopting" his successor. Italy and the provinces flourished, and official and private patronage of the arts increased.





**6-37 • MIDDLE-AGED FLAVIAN WOMAN**Late 1st century ce. Marble, height 91/2" (24.1 cm). Musei Vaticani, Museo Gregoriano Profano, ex-Lateranese, Rome.

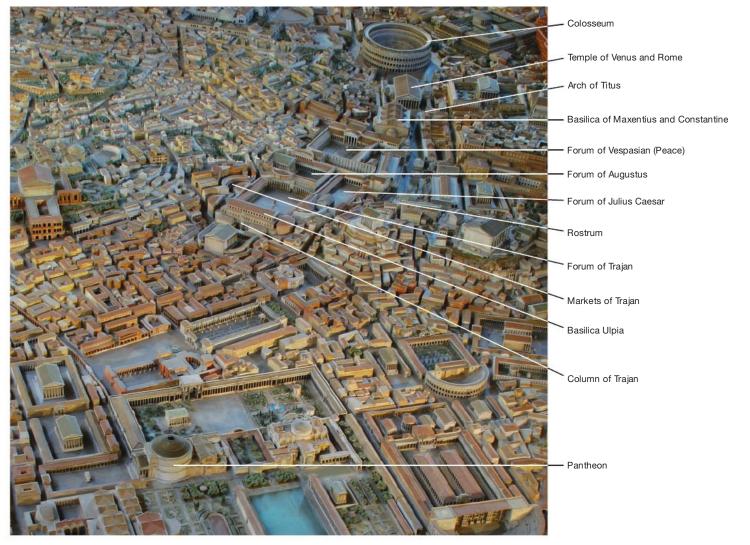
Under Trajan, the empire reached its greatest territorial expanse. By 106 CE, he had conquered Dacia, roughly present-day Romania (SEE MAP 6–1), and his successor, Hadrian, consolidated the empire's borders and imposed far-reaching social, governmental, and military reforms. Hadrian was well educated and widely traveled, and his admiration for Greek culture spurred new building programs and classicizing works of art throughout the empire. Unfortunately, Marcus Aurelius broke the tradition of adoption and left his son, Commodus, to inherit the throne. Within 12 years, Commodus (r. 180–192 CE) had destroyed the stable government his predecessors had so carefully built.

# IMPERIAL ARCHITECTURE

The Romans believed their rule extended to the ends of the Western world, but the city of Rome remained the nerve center of the empire. During his long and peaceful reign, Augustus had paved the city's old Republican Forum, restored its temples and basilicas, and followed Julius Caesar's example by building an Imperial Forum. These projects marked the beginning of a continuing effort to transform the capital itself into a magnificent monument to imperial rule. While Augustus' claim of having turned Rome into a

city of marble is exaggerated, he certainly began the process of creating a monumental civic center. Such grand structures as the Imperial Forums, the Colosseum, the Circus Maximus (a track for chariot races), the Pantheon, and aqueducts stood amid the temples, baths, warehouses, and homes in the city center as expressions of successive emperors' beneficence and their desire to leave their mark on, and preserve their memory in, the capital.

THE FORUM OF TRAJAN. A model of Rome's city center makes apparent the dense building plan (FIG. 6–38). The last and largest Imperial Forum was built by Trajan about 110–113 CE and finished under Hadrian about 117 CE on a large piece of property next to the earlier forums of Augustus and Julius Caesar (FIG. 6–39). For this major undertaking, Trajan chose a Greek architect, Apollodorus of Damascus, who was experienced as a military engineer. A straight, central axis leads from the Forum of Augustus through a triple-arched gate surmounted by a bronze chariot group into a large, colonnaded square with a statue of Trajan on horseback at its center. Closing off the courtyard at the north end was the BASILICA ULPIA (FIG. 6–40), dedicated in c. 112 CE, and named for the family to which Trajan belonged.

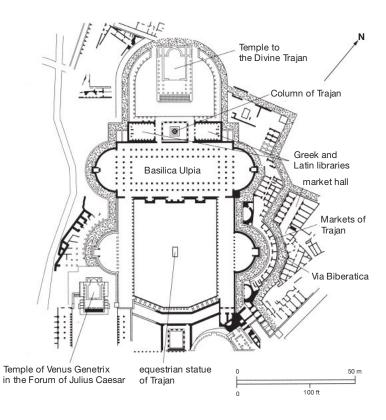


**6-38 • MODEL OF IMPERIAL ROME** c. 324 ce.

A basilica was a large, rectangular building with an extensive interior space, adaptable for a variety of administrative governmental functions. The Basilica Ulpia was a court of law, but other basilicas served as imperial audience chambers, army drill halls, and schools. The Basilica Ulpia was a particularly grand interior space, 385 feet long (not including the apses) and 182 feet wide. A large central area (the nave) was flanked by double colonnaded aisles surmounted by open galleries or by a clerestory, an upper nave wall with windows. The timber truss roof had a span of about 80 feet. The two apses, rounded extensions at each end of the building, provided imposing settings for judges when the court was in session.

During the site preparation for Trajan's forum, part of a commercial district had to be razed and excavated. To make up for the loss, Trajan ordered the construction of a handsome public market (FIGS. 6–41, 6–42). The market, comparable in size to a

**6-39 • PLAN OF TRAJAN'S FORUM AND MARKET** c. 110-113 ce.





# 6-40 • RESTORED PERSPECTIVE VIEW OF THE CENTRAL HALL, BASILICA ULPIA

Rome. c. 112 ce. Drawn by Gilbert Gorski. Trajan's architect was Apollodorus of Damascus.

The building may have had clerestory windows instead of the gallery shown in this drawing. The Column of Trajan can be seen at the right.



6-41 • RECONSTRUCTION OF TRAJAN'S MARKET

Rome. 100-112 cE.



6-42 • MAIN HALL, TRAJAN'S MARKET Rome. 100-112 ce.

large modern shopping mall, had more than 150 individual shops on several levels and included a large groin-vaulted main hall. In compliance with a building code that was put into effect after a disastrous fire in 64 CE, the market, like most Roman buildings of the time, was constructed of concrete (see "Concrete," page 196) faced with brick, with only occasional detailing in stone and wood.

Behind the Basilica Ulpia stood twin libraries built to house the emperor's collections of Latin and Greek manuscripts. These buildings flanked an open court, the location of the great spiral column that became Trajan's tomb when Hadrian placed a golden urn containing his predecessor's ashes in its base. The column commemorated Trajan's victory over the Dacians and was erected either c. 113 CE, at about the same time as the Basilica Ulpia, or by Hadrian after Trajan's death in 117 CE.

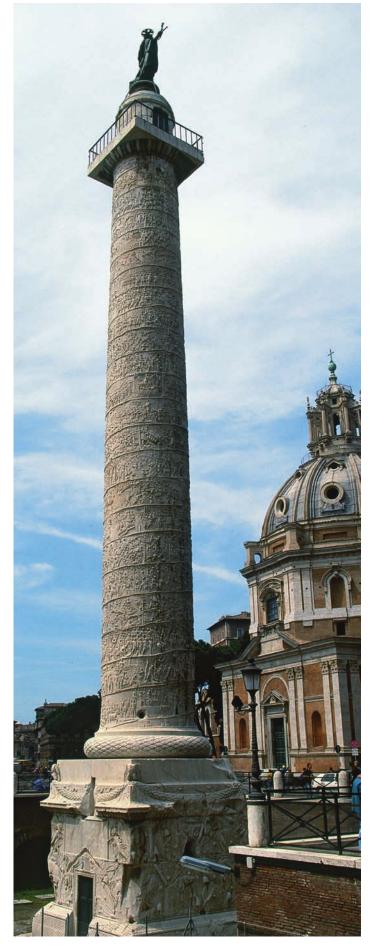
THE COLUMN OF TRAJAN. The relief decoration on the **COLUMN OF TRAJAN** spirals upward in a band that would stretch almost 625 feet if laid out straight. Like a giant, unfurled version of the scrolls housed in the libraries next to it, the column presents a continuous pictorial narrative of the Dacian campaigns of 102–103 and 105–106 CE (**FIG. 6–43**). The remarkable sculpture includes more than 2,500 individual figures linked by landscape and

## 6-43 • COLUMN OF TRAJAN

Rome. 113–116 or after 117 cE. Marble, overall height with base 125' (38 m), column alone 97'8'' (29.77 m); length of relief 625' (190.5 m).

The height of the column may have recorded the depth of the excavation required to build the Forum of Trajan. The column had been topped by a gilded bronze statue of Trajan that was replaced in 1588 CE with the statue of St. Peter seen today.

SEE MORE: Click the Google Earth link for the Column of Trajan www.myartslab.com





**6-44 • ROMANS CROSSING THE DANUBE AND BUILDING A FORT**Detail of the lowest part of the Column of Trajan. 113–116 ce, or after 117 ce. Marble, height of the spiral band approx. 36" (91 cm).

architecture, and punctuated by the recurring figure of Trajan. The narrative band slowly expands from about 3 feet in height at the bottom, near the viewer, to 4 feet at the top of the column, where it is farther from view. The natural and architectural elements in the scenes have been kept small so the important figures can occupy as much space as possible.

The scene at the beginning of the spiral, at the bottom of the column, shows Trajan's army crossing the Danube River on a pontoon bridge as the first Dacian campaign of 101 CE is launched (FIG. 6–44). Soldiers construct battlefield headquarters in Dacia from which the men on the frontiers will receive orders, food, and weapons. In this spectacular piece of imperial ideology or

# **ELEMENTS OF ARCHITECTURE | Concrete**

The Romans were pragmatic builders, and their practicality extended from recognizing and exploiting undeveloped potential in construction methods and physical materials to organizing large-scale building works. Their exploitation of the arch and the vault is typical of their adapt-and-improve approach (see "The Roman Arch," page 172, and "Roman Vaulting," page 188). But their innovative use of concrete, beginning in the first century BCE, was a technological breakthrough of the greatest importance in the history of architecture.

In contrast to stone—which was expensive and difficult to quarry and transport—the components of concrete were cheap, relatively light, and easily transported. Building stone structures required highly skilled masons, but a large, semiskilled workforce directed by a few experienced supervisors could construct brick-faced concrete buildings.

Roman concrete consisted of powdered lime, a volcanic sand called pozzolana, and various types of rubble, such as small rocks and broken pottery. Mixing these materials in water caused a chemical reaction that blended them, and they hardened as they dried into a strong, solid mass. At first, concrete was used mainly for poured foundations, but with technical advances it became indispensable for the construction of walls, arches, and vaults for ever-larger buildings,

such as the Flavian Amphitheater (SEE FIG. 6–34) and the Markets of Trajan (SEE FIG. 6–42). In the earliest concrete wall construction, workers filled a framework of rough stones with concrete. Soon they developed a technique known as opus reticulatum, in which the framework is a diagonal web of smallish bricks set in a cross pattern. Concrete-based construction freed the Romans from the limits of right-angle forms and comparatively short spans. With this new freedom, Roman builders pushed the established limits of architecture, creating some very large and highly original spaces by pouring concrete over wooden frameworks to mold it into complex curving shapes.

Concrete's one weakness was that it absorbed moisture and would eventually deteriorate if unprotected, so builders covered exposed surfaces with a veneer, or facing, of finer materials—such as marble, stone, stucco, or painted plaster—to protect it. An essential difference between Greek and Roman architecture is that Greek builders reveal the building material itself and accept the design limitations of post-and-lintel construction, whereas Roman buildings expose only an externally applied surface covering. The sophisticated structural underpinnings that allow huge spaces molded by three-dimensional curves are set behind them, hidden from view.

SEE MORE: View a simulation of the Roman use of concrete www.myartslab.com

propaganda, Trajan is portrayed as a strong, stable, and efficient commander of a well-run army, and his barbarian enemies are shown as worthy opponents of Rome.

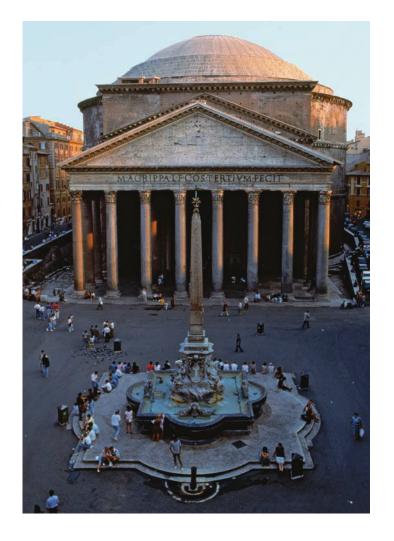
THE PANTHEON. Perhaps the most remarkable ancient building surviving in Rome—and one of the marvels of world architecture in any age—is a temple to the Olympian gods called the **PANTHEON** (literally, "all the gods") (FIG. 6–45). Although this magnificent monument was designed and constructed entirely during the reign of the emperor Hadrian, the long inscription on the architrave states that it was built by "Marcus Agrippa, son of Lucius, who was consul three times." Agrippa, the son-in-law and valued advisor of Augustus, was responsible for building on this site in 27–25 BCE. After a fire in 80 CE, Domitian built a new temple, which Hadrian then replaced in 118–128 CE with the Pantheon. Hadrian, who clearly had a strong sense of history, placed Agrippa's name on the façade in a grand gesture to the memory of the illustrious consul.

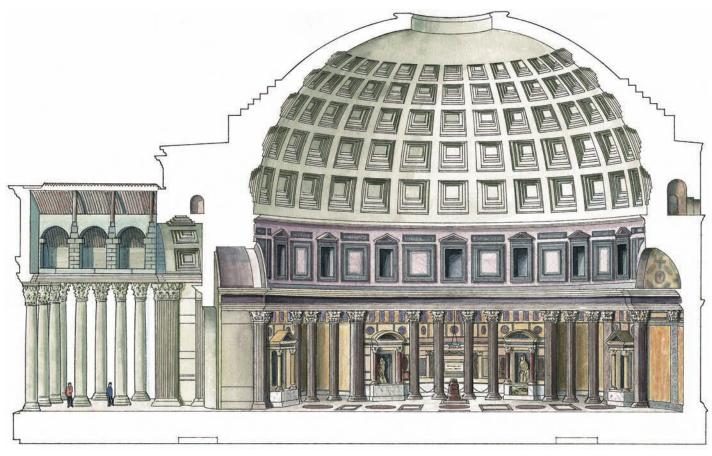
The current setting of the temple gives little suggestion of its original appearance. Centuries of dirt and street construction hide

# 6-45 • PANTHEON

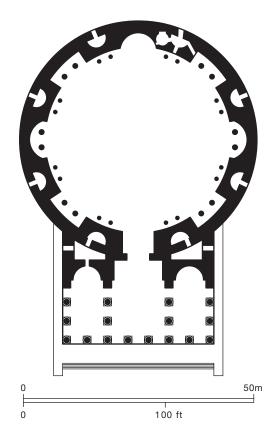
Rome. c. 118-128 CE.

Today a huge fountain dominates the square in front of the Pantheon. Built in 1578 by Giacomo della Porta, it now supports an Egyptian obelisk placed there in 1711 by Pope Clement XI.





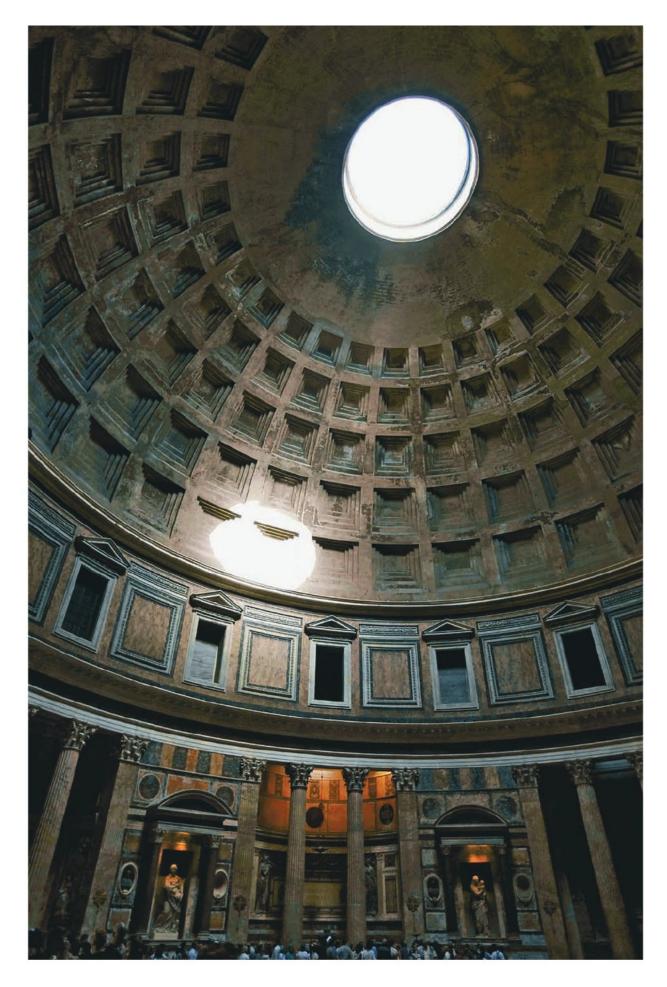
6-46 • RECONSTRUCTION DRAWING OF THE PANTHEON



6-47 • PLAN OF THE PANTHEON

its podium and stairs. Attachment holes in the pediment indicate the placement of bronze sculpture, perhaps an eagle within a wreath, the imperial Jupiter. Today we can see the sides of the rotunda flanking the entrance porch, but when the Pantheon was constructed, the façade of this porch—resembling the façades of typical, rectangular temples—was literally all viewers could see of the building. Since their approach was controlled by an enclosed courtyard (SEE FIG. 6-38), the actual circular shape of the Pantheon was concealed. Viewers were therefore surprised to pass through the rectilinear and restricted aisles of the portico and the huge main door to encounter the gaping space of the giant rotunda (circular room) surmounted by a huge, bowl-shaped dome, 143 feet in diameter and 143 feet from the floor at its summit (FIGS. 6-46, 6-47). Even without the controlled courtyard approach, encountering this glorious space today is still an overwhelming experience—for many of us, one that is repeated even on successive visits to the rotunda.

Standing at the center of this hemispherical temple (FIG. 6–48), the visitor feels isolated from the outside world and intensely aware of the shape and tangibility of the space itself. Our eyes are drawn upward over the patterns made by the sunken panels, or coffers, in the dome's ceiling to the light entering the 29-foot-wide oculus, or central opening, which illuminates a brilliant circle against the surface of the dome. This disk of light



### 6-48 • DOME OF THE PANTHEON

With light from the oculus on its coffered ceiling. 125–128 ce. Brick, concrete, marble veneer, diameter of dome 143' (43.5 m).

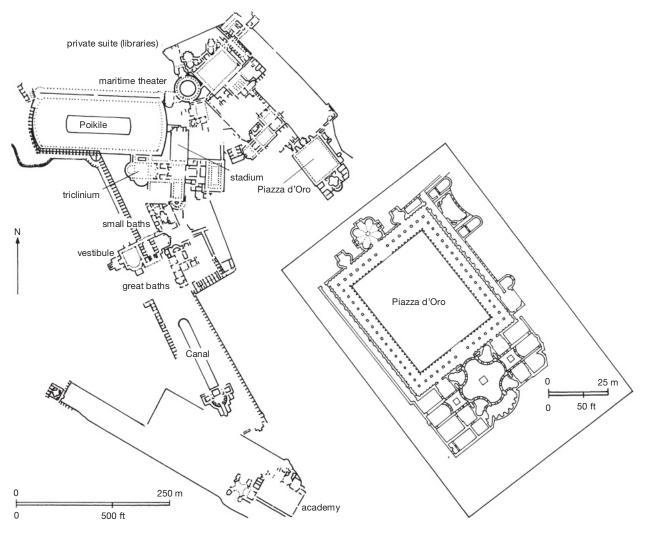
SEE MORE: View a panorama of the Pantheon www.myartslab.com

moves around this microcosm throughout the day like a sun. Clouds can be seen traveling across the opening on some days; on others, rain falls through and then drains off through conduits planned by the original engineer. Occasionally a bird flies in. This open, luminous space gives the feeling that one could rise buoyantly upward and escape the spherical hollow of the building to commune with the cosmos.

The simple shape of the Pantheon's dome belies its sophisticated design and engineering (SEE FIG. 6–46). Marble veneer and two tiers of richly colored architectural detail conceal the internal brick arches and concrete structure of the 20-foot-thick walls of the rotunda. More than half of the original decoration—a wealth of columns, pilasters, and entablatures—survives. The

simple repetition of square against circle, established on a large scale by juxtaposing the rectilinear portico against the circular rotunda, is found throughout the building's ornamentation. The wall is punctuated by seven **exedrae** (niches)—rectangular alternating with semicircular—that originally held statues of gods. The square, boxlike coffers inside the dome, which help lighten the weight of the masonry, may once have contained gilded bronze rosettes or stars suggesting the heavens. In 609 CE, Pope Boniface IV dedicated the Pantheon as the Christian church of St. Mary of the Martyrs, thus ensuring its survival through the Middle Ages and down to our day.

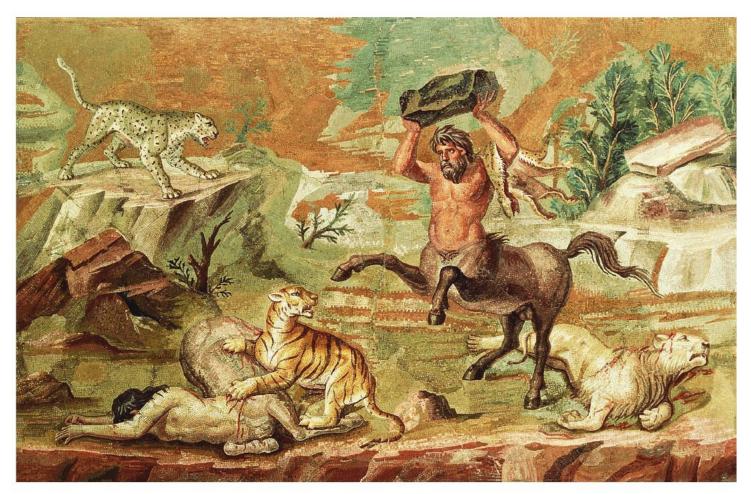
HADRIAN'S VILLA AT TIVOLI. To imagine Roman life at its most luxurious, one must go to Tivoli, a little more than 20 miles from Rome. HADRIAN'S VILLA, or country residence, was not a single building but an architectural complex of many buildings, lakes, and gardens spread over half a square mile (FIG. 6–49). Each section had its own inner logic, and each took advantage of natural land formations and attractive views. Hadrian instructed his architects to re-create his favorite places throughout the empire. In his



**6-49 • PLAN OF HADRIAN'S VILLA** Tivoli. c. 125–135 ce.



**6-50 • THE CANAL (REFLECTING POOL), HADRIAN'S VILLA** Tivoli. c. 125–135 ce.



**6-51 • BATTLE OF CENTAURS AND WILD BEASTS FROM HADRIAN'S VILLA** Tivoli. c. 125 ce. Mosaic,  $23 \times 36''$  (58.4  $\times$  91.4 cm). Staatliche Museen zu Berlin, Preussischer Kulturbesitz,

This floor mosaic may be a copy of a much-admired painting of a fight between centaurs and wild animals done by the late 5th-century BCE Greek artist Zeuxis.

Antikensammlung, Berlin.

splendid villa, he could pretend to enjoy the Athenian Grove of Academe, the Painted Stoa from the Athenian Agora, and buildings of the Ptolemaic capital of Alexandria, Egypt.

Landscapes with pools, fountains, and gardens turned the villa into a place of sensuous delight. An area with a long reflecting pool, called the Canal, was framed by a colonnade with alternating semicircular and straight entablatures (FIG. 6-50). It led to an outdoor dining room with concrete couches facing the pool. Copies of famous Greek statues, and sometimes even the originals, filled the spaces between the columns. So great was Hadrian's love of Greek sculpture that he even had the caryatids of the Erechtheion (SEE FIG. 5–38) replicated for his pleasure palace.

The individual buildings were not large, but they were extremely complex and imaginatively designed. Roman builders and engineers exploited fully the flexibility offered by concrete vaulted construction. Walls and floors had veneers of marble and travertine or of exquisite mosaics and paintings. A panel from one of the floor mosaics (FIG. **6–51)** demonstrates the extraordinary artistry of Hadrian's mosaicists (see "Roman Mosaics," page 202). In a rocky landscape with only a few bits of greenery, a desperate male centaur raises a large boulder over his head to crush a tiger that has attacked and severely wounded a female centaur. Two other felines apparently took part in the attack—the white leopard on the rocks to the left and the dead lion at the feet of the male centaur. The artist rendered the figures with threedimensional shading, foreshortening, and a great sensitivity to a range of figure types,

### 6-52 • EQUESTRIAN STATUE OF **MARCUS AURELIUS**

animals in a variety of poses.

c. 176 ce. Bronze, originally gilded, height of statue 11'6" (3.5 m). Museo Capitolino, Rome.

Between 1187 and 1538, this statue stood in the piazza fronting the palace and church of St. John Lateran in Rome. In January 1538, Pope Paul III had it moved to the Capitoline Hill, and Michelangelo made it the centerpiece of his newly redesigned Capitoline Piazza. After being removed from its base for cleaning and restoration in recent times, it was taken inside the Capitoline Museum to protect it from air pollution, and a copy has replaced it in the piazza.

### **IMPERIAL PORTRAITS**

Imperial portraits were objects of propaganda. Marcus Aurelius, like Hadrian, was a successful military commander who was equally proud of his intellectual attainments. In a lucky error—or twist of fortune—a gilded-bronze equestrian statue of the emperor, dressed as a military commander in a tunic and short, heavy cloak (FIG. 6-52), came mistakenly to be revered during the Middle Ages as a statue of Constantine, the first Christian emperor, and consequently the sculpture escaped being melted down. The raised foreleg of his horse once trampled a crouching barbarian.

Marcus Aurelius' head, with its thick, curly hair and full beard (a fashion that was begun by Hadrian), resembles the traditional "philosopher" portraits from the Greek world. The emperor wears



# **TECHNIQUE | Roman Mosaics**

Mosaics were used widely in Hellenistic times and became enormously popular for decorating homes in the Roman period. Mosaic designs were created with pebbles (SEE FIG. 5–50), or with small, regularly shaped pieces of colored stone and marble, called tesserae. The stones were pressed into a kind of soft cement called grout. When the stones were firmly set, the spaces between them were also filled with grout. After the surface dried, it was cleaned and polished. Since the natural stones produced only a narrow range of colors, glass tesserae were also used to extend the palette as early as the third century BCE.

Mosaic production was made more efficient by the use of **emblemata** (the plural of emblema, "central design"). These small, intricate mosaic compositions were created in the artist's workshop in square or rectangular trays. They could be made in advance, carried to a work site, and inserted into a floor decorated with an easily produced geometric pattern.

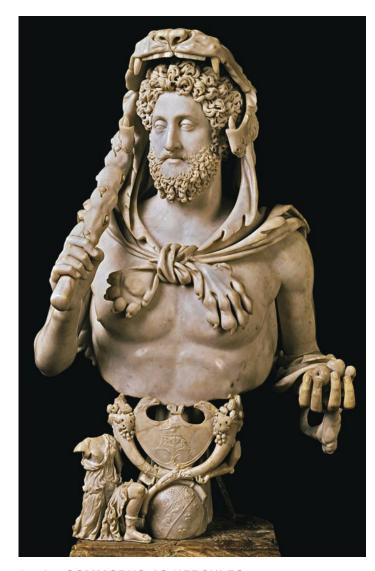
Some skilled mosaicists even copied well-known paintings, often by famous Greek artists. Employing a technique in which very small tesserae, in a wide range of colors, were laid down in irregular, curving lines, they effectively imitated painted brushstrokes. One example is The Unswept Floor. Herakleitos, a second-century ce Greek mosaicist living in Rome, made this copy of an original work by the renowned second-century BCE artist Sosos. Pliny the Elder, in his Natural History, mentions a mosaic of an unswept floor and another of doves that Sosos made in Pergamon.

A dining room would be a logical location for a floor mosaic of this theme, with table scraps re-created in meticulous detail, even to the shadows they cast, and a mouse foraging among them. The guests reclining on their banquet couches would certainly be amused by the pictures on the floor, but they could also have shown off their knowledge of the notable Greek precedents for the mosaic beneath their feet.



#### THE UNSWEPT FLOOR

Mosaic variant of a 2nd-century BCE painting by Sosos of Pergamon. 2nd century CE. Signed by Herakleitos. Musei Vaticani, Museo Gregoriano Profano, Rome.



**6-53 • COMMODUS AS HERCULES** Esquiline Hill, Rome. c. 191–192 ce. Marble, height  $46^1 2''$  (118 cm). Palazzo dei Conservatori, Rome.

no armor and carries no weapons; like Egyptian kings, he conquers effortlessly by divine will. And like his illustrious predecessor Augustus, he reaches out to those around him in a rhetorical gesture of address. It is difficult to create an equestrian portrait in which the rider stands out as the dominant figure without making the horse look too small. The sculptor of this statue found a balance acceptable to viewers of the time and, in doing so, created a model for later artists.

Marcus Aurelius was succeeded as emperor by his son Commodus, a man without political skill, administrative competence, or intellectual distinction. During his unfortunate reign (180–192 CE), he devoted himself to luxury and frivolous pursuits. He claimed at various times to be the reincarnation of Hercules and the incarnation of the god Jupiter. When he proposed to assume the consulship dressed and armed as a gladiator, his associates, including his mistress, arranged to have him strangled in his bath by a wrestling partner. Commodus did, however, sponsor some of

the finest artists of the day. In a spectacular marble bust, the emperor poses as **HERCULES** (FIG. 6–53), adorned with references to the hero's legendary labors: Hercules' club, the skin and head of the Nemean lion, and the golden apples from the Garden of the Hesperides. Commodus' likeness emphasizes his family resemblance to his more illustrious and powerful father (SEE FIG. 6–52), but it also captures his vanity, through the grand pretensions of his costume and the Classical associations of his body type. The sculptor's sensitive modeling and expert drillwork exploit the play of light and shadow on the figure to bring out the textures of the hair, beard, facial features, and drapery, and to capture the illusion of life and movement.

FUNERARY SCULPTURE. During the second and third centuries, a shift from cremation to inhumation created a growing demand for sarcophagi in which to bury the bodies of the deceased. Wealthy Romans commissioned thousands of massive and elaborate marble sarcophagi, encrusted with sculptural relief, created in large production workshops throughout the Roman empire.

In 1885, nine particularly impressive sarcophagi were discovered in private underground burial chambers built for use by a powerful, aristocratic Roman family—the Calpurnii Pisones. One of these sarcophagi, from c. 190 CE, portrays the INDIAN TRIUMPH **OF DIONYSUS** (see "A Closer Look," page 206). This is a popular theme in late second-century CE sarcophagi, but here the carved relief is of especially high quality—complex but highly legible at the same time. The mythological composition owes a debt to imperial ceremony. Dionysus, at far left in a chariot, receives from a personification of Victory standing behind him a laurel crown, identical to the headdress worn by Roman emperors during triumphal processions. Also derived from state ceremony is the display of booty and captives carried by the elephants at the center of the composition. But religion, rather than statecraft, is the real theme here. The set of sarcophagi to which this belongs indicates that the family who commissioned them adhered to a mystery cult of Dionysus that focused on themes of decay and renewal, death and rebirth. The triumph of the deceased over death is the central message here, not one particular episode in the life of Dionysus himself.

# THE LATE EMPIRE, THIRD AND FOURTH CENTURIES CE

The comfortable life suggested by the wall paintings in Roman houses and villas was, within a century, to be challenged by hard times. The reign of Commodus marked the beginning of a period of political and economic decline. Barbarian groups had already begun moving into the empire in the time of Marcus Aurelius. Now they pressed on Rome's frontiers. Many crossed the borders and settled within them, disrupting provincial governments. As perceived threats spread throughout the empire, imperial rule became increasingly authoritarian. Eventually the army controlled

the government, and the Imperial Guards set up and deposed rulers almost at will, often selecting candidates from among poorly educated, power-hungry provincial leaders in their own ranks.

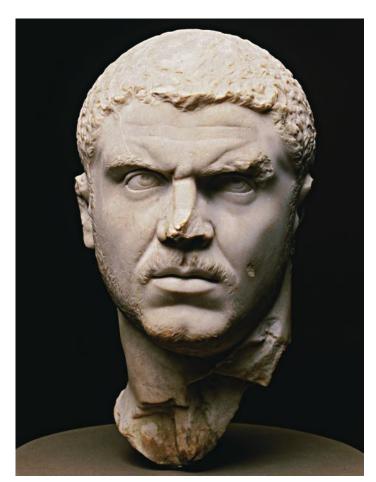
#### THE SEVERAN DYNASTY

Despite the pressures brought by political and economic change, the arts continued to flourish under the Severan emperors (193–235 CE) who succeeded Commodus. Septimius Severus (r. 193–211 CE), who was born in Africa, and his Syrian wife, Julia Domna, restored public buildings, commissioned official portraits, and revitalized the old cattle market in Rome into a well-planned center of bustling commerce. Their sons, Geta and Caracalla, succeeded Septimius Severus as co-emperors in 211 CE, but Caracalla murdered Geta in 212 CE and then ruled alone until he in turn was murdered in 217 CE.

PORTRAITS OF CARACALLA. The Emperor Caracalla appears in his portraits as a fierce and courageous ruler, capable of confronting Rome's enemies and safeguarding the security of the Roman Empire. In the example shown here (FIG. 6–54), the sculptor has enhanced the intensity of the emperor's expression by producing strong contrasts of light and dark with careful chiseling and drillwork. Even the marble eyes have been drilled and engraved to catch the light in a way that makes them dominate his expression. The contrast between this style and that of the portraits of Augustus is a telling reflection of the changing character of imperial rule. Augustus envisioned himself as the suave initiator of a Golden Age of peace and prosperity; Caracalla presents himself as a no-nonsense ruler of iron-fisted determination, with a militaristic, close-cropped haircut and a glare of fierce intensity.

THE BATHS OF CARACALLA. The year before his death in 211 CE, Septimius Severus had begun a popular public-works project: the construction of magnificent new public baths on the southeast side of Rome as a new recreational and educational center. Caracalla completed and inaugurated the baths in 216–217 CE, today known by his name. The impressive brick and concrete structure was hidden under a sheath of colorful marble and mosaic. The builders used soaring groin and barrel vaults, which allow the maximum space with the fewest possible supports. The groin vaults also made possible large windows in every bay. Windows were important, since the baths depended on natural light and could only be open during daylight hours.

The **BATHS OF CARACALLA (FIGS. 6–56)** were laid out on a strictly symmetrical plan. The bathing facilities were grouped in the center of the main building to make efficient use of the below-ground furnaces that heated them and to allow bathers to move comfortably from hot to cold pools and then finish with a swim. Many other facilities—exercise rooms, shops, latrines, and dressing rooms—were housed on each side of the bathing block. The bath buildings alone covered 5 acres. The entire complex, which included gardens, a stadium, libraries, a painting



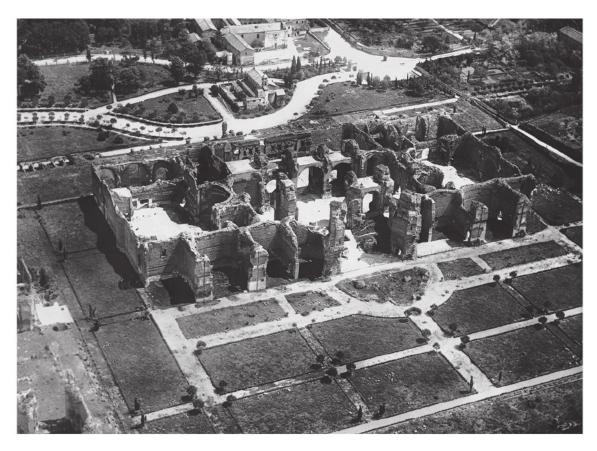
6-54 • CARACALLA
Early 3rd century ce. Marble, height 14½" (36.2 cm). Metropolitan
Museum of Art, New York. Samuel D. Lee Fund, 1940 (40.11.1A)

gallery, auditoriums, and huge water reservoirs, covered an area of 50 acres.

### THE SOLDIER EMPERORS

Following the assassination of the last Severan emperor by one of his military commanders in 235 CE, Rome was plunged into a period of anarchy that lasted for 50 years. A series of soldier emperors attempted to rule the empire, but real order was only restored by Diocletian (r. 284–305 CE), also a military commander. This brilliant politician and general reversed the empire's declining fortunes, but he also began an increasingly autocratic form of rule, and the social structure of the empire became increasingly rigid.

To divide up the task of defending and administering the Roman world and to assure an orderly succession, in 286 CE Diocletian divided the empire in two parts. According to his plan, with the title of "Augustus" he would rule in the East, while another Augustus, Maximian, would rule in the West. Then, in 293 CE, he devised a form of government called a **tetrarchy**, or "rule of four," in which each Augustus designated a subordinate and heir, who held the title of "Caesar." And the Roman Empire, now divided into four quadrants, would be ruled by four individuals.

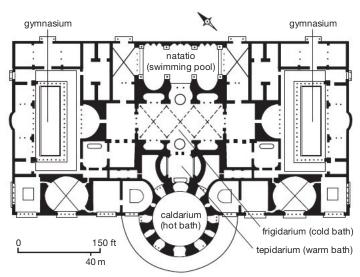


6-55 • BATHS OF CARACALLA

Rome. c. 211-217 CE.

SEE MORE: Click the Google Earth link for the Baths of Caracalla

www.myartslab.com



6-56 • PLAN OF THE BATHS OF CARACALLA

TETRARCHIC PORTRAITURE. Diocletian's political restructuring is paralleled by the introduction of a radically new, hard style of geometricized abstraction, especially notable in portraits of the tetrarchs themselves. A powerful bust of a tetrarch, startlingly alert with searing eyes (FIG. 6–57), embodies this stylistic shift toward the antithesis of the suave Classicism seen in the portrait of Commodus as Hercules (SEE FIG. 6–53). There is no clear sense of likeness. Who this individual is seems to be less significant than the powerful position he holds. Some art historians have interpreted



**6-57 • PORTRAIT OF A TETRARCH (GALERIUS?)**Early 4th century ce. Porphyry, 2'512" (65 cm). Egyptian Museum, Cairo.



# A CLOSER LOOK

# Sarcophagus with the Indian Triumph of Dionysus

c. 190 ce. Marble,  $47^{1}$ / $_{2}$  ×  $92^{1}$ / $_{2}$  ×  $35^{13}$ / $_{6}$ " (120.7 × 234.9 × 90.96 cm). Walters Art Museum, Baltimore.

Semele, mortal mother of the god Dionysus, gives birth prematurely and then dies. Once grown, Dionysus would travel to the underworld and bring his mother to paradise. Semele's death therefore suggests the promise of eternal life through her son.

These hooked sticks are identical to the ankusha still used by mahouts (elephant drivers) in India today.

As part of their worship, followers of Dionysiac mystery religions re-created the triumphant return of the god from India by parading in the streets after dark. A dancing maenad beats her tambourine here, suggesting the sounds and movements that would accompany such ritual re-enactments.



The presence of exotic animals such as elephants, a lion, a giraffe, and panthers, identifies this scene as Dionysus' triumphant return from India.

Snakes were not only used in the rites of Dionysiac mystery religions; they were powerful symbols of rebirth and phallic fertility, making them especially appropriate in the context of a sarcophagus. Three snakes appear along the groundline of the sculptural frieze.

The aged god Silenus leans on a thyrsos staff, composed of a giant fennel wound with ivy and topped with a pinecone, symbolizing fertility. Dionysus, with whom such staffs were associated, also carries one here as his triumphal scepter.

SEE MORE: View the Closer Look feature for the Sarcophagus with the Indian Triumph of Dionysus www.myartslab.com

this change in style as a conscious embodiment of Diocletian's new concept of government, while others have pointed to parallels with the provincial art of Diocletian's Dalmatian homeland or with the Neoplatonic aesthetics of idealized abstraction promoted by Plotinus, a third-century CE philosopher who was widely read in the late Roman world. In any event, these riveting works represent

not a degeneration of the Classical tradition but its conscious replacement by a different aesthetic viewpoint—militaristic, severe, and abstract rather than suave, slick, and classicizing.

This new mode is famously represented by an actual sculptural group of **THE TETRARCHS** (FIG. 6–58). The four figures are nearly identical, except that the senior Augusti have beards while their



6-58 • THE TETRARCHS

c. 300 ce. Porphyry, height of figures 51'' (129 cm). Brought from Constantinople in 1204, installed at the corner of the façade of the Cathedral of St. Mark, Venice.

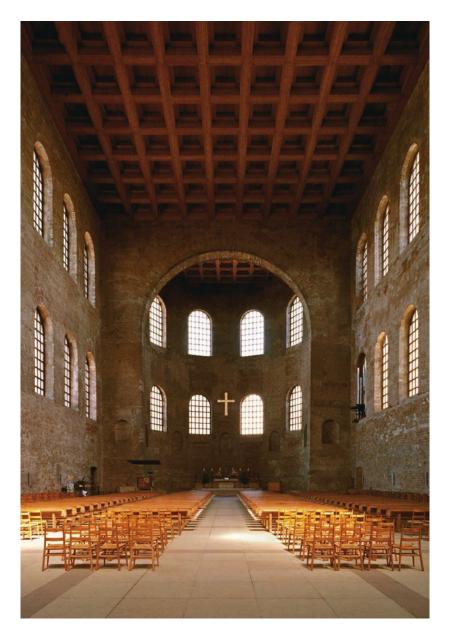
juniors, the Caesars, are clean-shaven. Dressed in military garb and clasping swords at their sides, they embrace each other in a show of imperial unity, proclaiming an alliance rooted in strength and vigilance. As a piece of propaganda and a summary of the state of affairs at the time, it is unsurpassed.

The sculpture is made of porphyry, an extremely hard, purple stone from Egypt that was reserved for imperial use (SEE FIG. 5–57). The most striking features of the tetrarchs—the simplification of natural forms to geometric shapes, flexibility with human proportions, and the emphasis on a message or idea—appear often in Roman art by the end of the third century. This particular sculpture may have been made in Egypt and moved to Constantinople after 330 CE. Christian crusaders who looted Constantinople in 1204 CE took the statue to Venice and installed it at the Cathedral of St. Mark, where it is today.

THE BASILICA AT TRIER. The tetrarchs ruled the empire from administrative headquarters in Milan (Italy), Trier (Germany), Thessaloniki (Greece), and Nicomedia (Turkey). Imposing architecture was used to house the government in these new capital cities. In Trier, for example, Constantius Chlorus (Caesar, 293-305; Augustus, 305-306 CE) and his son Constantine fortified the city with walls and a monumental gate that still stand. They built public amenities, such as baths, and a palace with a huge audience hall, later used as a Christian church (FIGS. 6-59, 6-60). This early fourth-century basilica's large size and simple plan and structure exemplify the architecture of the tetrarchs: no-nonsense, imposing buildings that would impress their subjects.

The audience hall is a large rectangular building, 190 by 95 feet, with a strong directional focus given by a single apse opposite the door. Brick walls, originally stuccoed on the outside and covered with marble veneer inside, are pierced by two rows of arched windows. The flat roof, nearly 100 feet above the floor, covers both the nave and the apse. In a concession to the northern climate, the building was centrally heated with hot air flowing under the floor, a technique also used in Roman

baths. The windows of the apse create an interesting optical effect. Slightly smaller than the windows in the hall, they create the illusion of greater distance, so that the tetrarch enthroned in the apse would appear larger than life and the hall would seem longer than it actually is.



# 6-59 • AUDIENCE HALL OF CONSTANTIUS CHLORUS (NOW KNOWN AS THE BASILICA)

Trier, Germany. Early 4th century ce. View of the nave. Height of room  $100^{\prime}~(30.5~\text{m})$ .

Only the left wall and apse survive from the original Roman building. The hall became part of the bishop's palace during the medieval period.

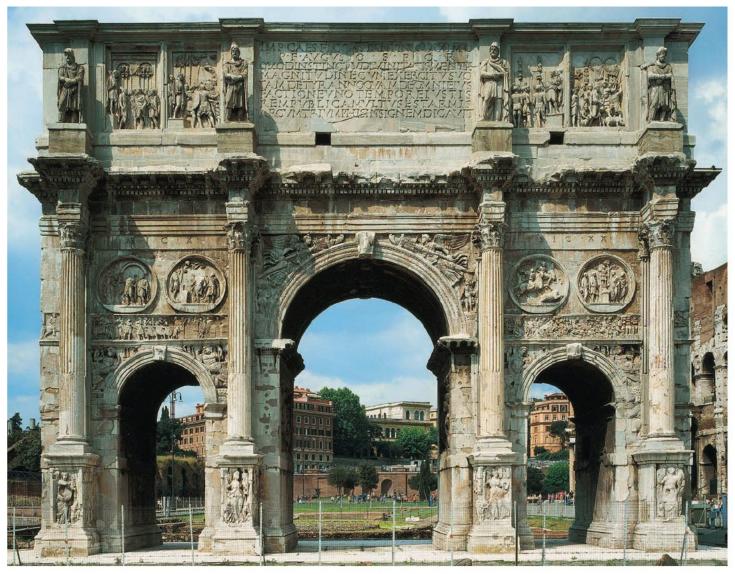
### CONSTANTINE THE GREAT

In 305 CE, Diocletian abdicated and forced his fellow Augustus, Maximian, to do so too. The orderly succession he had planned for failed to occur, and a struggle for position and advantage followed almost immediately. Two main contenders appeared in the Western Empire: Maximian's son Maxentius, and Constantine, son of Tetrarch Constantius Chlorus. Constantine emerged victorious in 312, defeating Maxentius at the Battle of the Milvian Bridge at the entrance to Rome.

According to Christian tradition, Constantine had a vision the night before the battle in which he saw a flaming cross in the sky and heard these words: "In this sign you shall conquer." The next morning he ordered that his army's shields and standards be inscribed with the monogram XP (the Greek letters *chi* and *rho*, standing for *Christos*). The victorious Constantine then showed his gratitude by ending the persecution of Christians and recognizing Christianity as a lawful religion. He may have been influenced in that decision by his mother, Helena, a devout Christian—later canonized. Whatever his motivation, in 313 CE, together with Licinius, who ruled the Eastern Empire, Constantine issued the Edict of Milan, a model of religious toleration.



6-60 • AUDIENCE HALL OF CONSTANTIUS CHLORUS (NOW KNOWN AS THE BASILICA) Trier, Germany. Early 4th century ce.



**6-61 • ARCH OF CONSTANTINE**Rome. 312–315 ce (dedicated July 25, 315).

This massive, triple-arched monument to Emperor Constantine's victory over Maxentius in 312 ce is a wonder of recycled sculpture. On the attic story, flanking the inscription over the central arch, are relief panels taken from a monument celebrating the victory of Marcus Aurelius over the Germans in 174 ce. On the attached piers framing these panels are large statues of prisoners made to celebrate Trajan's victory over the Dacians in the early second century ce. On the inner walls of the central arch and on the attic of the short sides (neither seen here) are reliefs also commemorating Trajan's conquest of Dacia. Over each of the side arches is a pair of large tondi taken from a monument to Hadrian (SEE FIG. 6–62). The rest of the decoration is early fourth century, contemporary with the arch.

SEE MORE: Click the Google Earth link for the Arch of Constantine www.myartslab.com

The Edict granted freedom to all religious groups, not just Christians. Constantine, however, remained the Pontifex Maximus of Rome's state religion and also reaffirmed his devotion to the military's favorite god, Mithras, and to the Invincible Sun, Sol Invictus, a manifestation of Helios Apollo, the sun god. In 324 CE, Constantine defeated Licinius, his last rival, and ruled as sole emperor until his death in 337. He made the port city of Byzantium the new capital of the Roman Empire after his last visit to Rome in 325, and renamed the city after himself—Constantinople (present-day Istanbul, in Turkey). Rome, which had already

ceased to be the seat of government in the West, further declined in importance.

THE ARCH OF CONSTANTINE. In Rome, next to the Colosseum, the Senate erected a triumphal arch to commemorate Constantine's victory over Maxentius (FIG. 6–61), a huge, triple arch that dwarfs the nearby Arch of Titus (SEE FIG. 6–32). Its three barrel-vaulted passageways are flanked by columns on high pedestals and surmounted by a large attic story with elaborate sculptural decoration and a laudatory inscription: "To the Emperor



6-62 • HADRIAN/CONSTANTINE HUNTING BOAR AND SACRIFICING TO APOLLO; CONSTANTINE ADDRESSING THE ROMAN PEOPLE IN THE ROMAN FORUM

Tondi made for a monument to Hadrian and reused on the Arch of Constantine. c. 130–138 ce. Marble, diameter 40" (102 cm). Frieze by Constantinian sculptors 312–315 ce.

The two tondi (circular compositions) were originally part of a lost monument erected by the emperor Hadrian (r. 117–138 ce). The boar hunt demonstrates his courage and physical prowess, and his sacrificial offering to Apollo shows his piety and gratitude to the gods for their support. The classicizing heads, form-enhancing drapery, and graceful poses of the figures betray a debt to the style of Late Classical Greek art. In the fourth century ce, Constantine appropriated these tondi, had Hadrian's head recarved with his own or his father's features, and incorporated them into his own triumphal arch (SEE FIG. 6–61) so that the power and piety of this predecessor could reflect on him and his reign. In a strip of relief underneath the tondi, sculptors from his own time portrayed a ceremony performed by Constantine during his celebration of the victory over his rival, Maxentius, at the Battle of the Milvian Bridge (312 ce). Rather than the Hellenizing mode popular during Hadrian's reign, the Constantinian sculptors employ the blocky and abstract stylizations that became fashionable during the tetrarchy.

Constantine from the Senate and the Roman People. Since through divine inspiration and great wisdom he has delivered the state from the tyrant and his party by his army and noble arms, [we] dedicate this arch, decorated with triumphal insignia." The "triumphal insignia" were in part appropriated from earlier monuments made for Constantine's illustrious predecessors—Trajan, Hadrian, and Marcus Aurelius. The reused items visually transferred the old Roman virtues of strength, courage, and piety associated with these earlier exemplary emperors to Constantine himself. New reliefs were made for the arch to recount the story

of Constantine's victory and to symbolize his own power and generosity. They run in strips underneath the reused Hadrianic tondi (a tondo is a circular composition) (FIG. 6–62).

Although the new Constantinian reliefs reflect the long-standing Roman predilection for depicting important events with recognizable detail, they nevertheless represent a significant change in style, approach, and subject matter (see lower figural frieze in FIG. 6–62). In this scene of Constantine addressing the Roman people in the Roman Forum, the Constantinian reliefs are easily distinguished from the reused Hadrianic tondi mounted just above

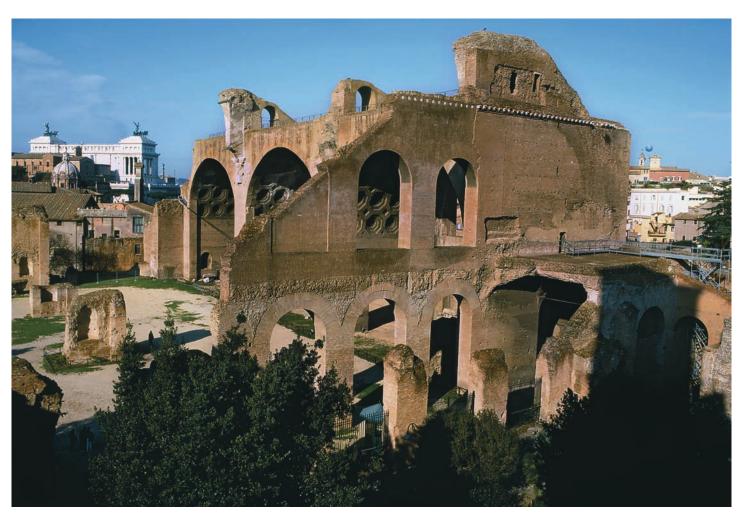
them because of the faithfulness of the new reliefs to the avant-garde tetrarchic style we have already encountered in portraiture. The forceful, blocky, mostly frontal figures are compressed into the foreground plane. The participants to the sides, below the enthroned Constantine (his head is missing), almost congeal into a uniformly patterned mass that isolates the new emperor and connects him visually with the seated statues of his illustrious predecessors flanking him on the dais. This two-dimensional, hierarchical approach with its emphasis on authority and power rather than on individualized outward form is far removed from the classicizing illusionism of earlier imperial reliefs. It is one of the Roman styles that will be adopted by the emerging Christian Church.

THE BASILICA NOVA. Constantine's rival Maxentius, who controlled Rome throughout his short reign (r. 306–312), ordered the repair of older buildings there and had new ones built. His most impressive undertaking was a huge new basilica, just southeast of the Imperial Forums, called the BASILICA NOVA, or

New Basilica. Now known as the Basilica of Maxentius and Constantine, this was the last important imperial government building erected in Rome. Like all basilicas, it functioned as an administrative center and provided a magnificent setting for the emperor when he appeared as supreme judge.

Earlier basilicas, such as Trajan's Basilica Ulpia (SEE FIG. 6–40), had been columnar halls, but Maxentius ordered his engineers to create the kind of large, unbroken, vaulted space found in public baths. The central hall was covered with groin vaults, and the side aisles were covered with lower barrel vaults that acted as buttresses, or projecting supports, for the central vault and allowed generous window openings in the clerestory areas over the side walls.

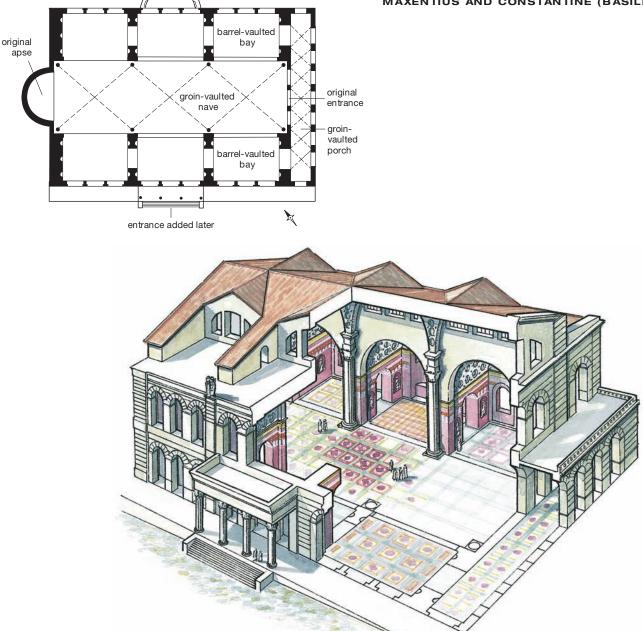
Three of these brick-and-concrete barrel vaults still loom over the streets of present-day Rome (FIG. 6–63). The basilica originally measured 300 by 215 feet and the vaults of the central nave rose to a height of 114 feet. A groin-vaulted porch extended across the short side and sheltered a triple entrance to the central hall. At the opposite end of the long axis of the hall was an apse of the same width, which acted as a focal point for the building



6-63 • BASILICA OF MAXENTIUS AND CONSTANTINE (BASILICA NOVA)
Rome. 306-313 CE.

SEE MORE: Click the Google Earth link for the Basilica of Maxentius and Constantine www.myartslab.com

6-64 • FLOOR PLAN OF THE BASILICA OF MAXENTIUS AND CONSTANTINE (BASILICA NOVA)



apse added later

6-65 • RECONSTRUCTION OF THE BASILICA OF MAXENTIUS AND CONSTANTINE (BASILICA NOVA)

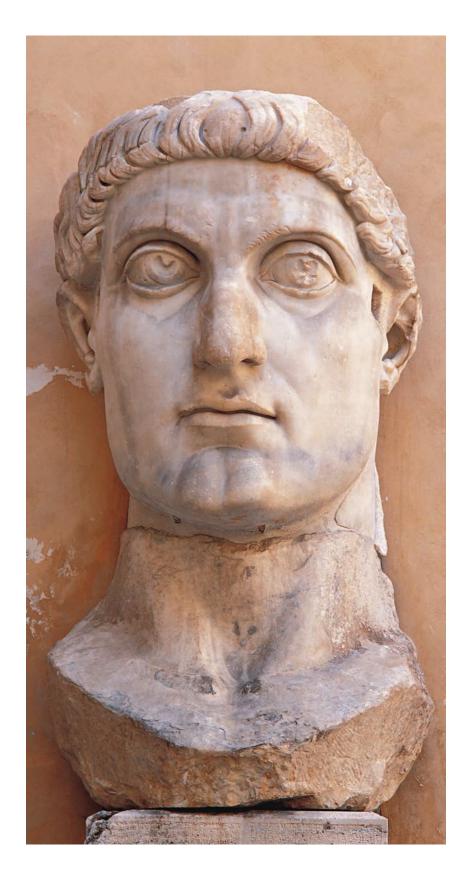
(FIGS. 6–64, 6–65). The directional focus along a central axis from entrance to apse was adopted by Christians for use in churches.

Constantine, seeking to impress the people of Rome with visible symbols of his authority, put his own stamp on projects Maxentius had started, including this one. He may have changed the orientation of the Basilica Nova by adding an imposing new entrance in the center of the long side facing the Via Sacra and a giant apse facing it across the three aisles. He also commissioned a colossal, 30-foot statue of himself to be placed inside within an apse (FIG. 6–66). Sculptors used white marble for the head, chest, arms, and legs, and sheets of bronze for the drapery, all supported

on a wooden frame. This statue became a permanent stand-in for the emperor, representing him whenever the conduct of business legally required his presence. The head combines features of traditional Roman portraiture with some of the abstract qualities evident in images of the tetrarchs (SEE FIG. 6–57). The defining characteristics of Constantine's face—his heavy jaw, hooked nose, and jutting chin—have been incorporated into a stylized, symmetrical pattern in which other features, such as his eyes, eyebrows, and hair, have been simplified into repeated geometric arcs. The result is a work that projects imperial power and dignity with no hint of human frailty or imperfection.

## 6-66 • CONSTANTINE THE GREAT

Basilica of Maxentius and Constantine, Rome. 325–326 cE. Marble, height of head 8'6" (2.6 m). Palazzo dei Conservatori, Rome.



#### ROMAN ART AFTER CONSTANTINE

Although Constantine was baptized only on his deathbed in 337, Christianity had become the official religion of the empire by the end of the fourth century, and non-Christians had become targets of persecution. This religious shift, however, did not diminish Roman interest in the artistic traditions of their pagan Classical past. A large silver **PLATTER** dating from the mid-fourth century CE (FIG. 6–67) proves that artists working for Christian patrons continued to use themes involving Bacchus, allowing them the opportunity to create elaborate figural compositions displaying the

## RECOVERING THE PAST | The Mildenhall Treasure

In 1942, a farmer plowing a field outside the town of Mildenhall in Suffolk, England, located near the site of an ancient Roman villa, accidentally discovered one of the greatest archaeological finds of the twentieth century. In total he unearthed 34 pieces of Roman silver dating from the fourth century ce. The find was not made public until four years later, since the farmer and his associates claimed they were unaware of how valuable it was, both materially and historically. When word of the discovery leaked out, however, the silver was confiscated by the government to determine if it was a "Treasure Trove"—gold or silver objects that have been intentionally hidden (rather than, for example, included in a burial) and that by law belong not to the finder, but to the Crown. The silver found at Mildenhall was deemed a "Treasure Trove" and is now one of the great glories of the British Museum in London.

This is the official story of the discovery at Mildenhall. But there are

those who do not believe it. None of the silver in the hoard showed any sign of having been dented by a plough, and some believe that the quality and style of the objects are inconsistent with a provincial Roman context, especially so far in the hinterlands in England. Could the treasure have been looted from Italy during World War II, brought back to England (Mildenhall is not far from an American airfield), and buried to set up a staged discovery? The farmer who discovered the hoard and his associates, some argue, changed their story several times over the course of its history. Most scholars do believe the official story—that the silver was buried quickly for safekeeping by wealthy provincial Romans in Britain who felt threatened by a possible invasion or attack, and was forgotten (perhaps its owners were killed in the expected turmoil) until its accidental discovery in 1942. But when the history of art is founded on undocumented archaeological finds, there is usually room for doubt.

nude or lightly draped human body in complex, dynamic poses. The platter was found in a cache of silver tableware near Mildenhall, England, and although most of the objects are also decorated with pagan imagery, three of the spoons are engraved with Christian symbols. The original owner of the hoard was likely to have been a wealthy Roman Christian, living in the provinces. Such

opulent items were often hidden or buried to protect them from theft and looting, a sign of the breakdown of the Roman peace, especially in provincial areas (see "The Mildenhall Treasure," above).

The Bacchic revelers on this platter whirl, leap, and sway in a dance to the piping of satyrs around a circular central medallion. In the centerpiece, the head of the sea god Oceanus is ringed by nude

> females frolicking in the waves with fantastic sea creatures. In the outer circle, the figure of Bacchus is the one stable element. With a bunch of grapes in his right hand, a krater at his feet, and one foot on the haunches of his panther, he listens to a male follower begging for another drink. Only a few figures away, the pitifully drunken hero Hercules has lost his lion-skin mantle and collapsed in a stupor into the supporting arms of two satyrs. The detail, clarity, and liveliness of this platter reflect the work of a virtuoso artist. Deeply engraved lines emphasize the contours of the subtly modeled bodies, echoing the technique of undercutting used to add depth to figures in stone and marble reliefs and suggesting a connection between silver-working and relief sculpture.

> Not all Romans, however, converted to Christianity. Among the champions of paganism were the Roman patricians Quintus Aurelius Symmachus and Virius



#### 6-67 • PLATTER

From Mildenhall, England. Mid 4th century ce. Silver, diameter approx. 24" (61 cm). British Museum, London.

Nicomachus Flavianus. A famous ivory diptych (FIG. 6–68) attests to the close relationship between their families, perhaps through marriage, as well as to their firmly held beliefs. A **diptych** was a pair of panels attached with hinges, not unlike the modest object held by the woman in FIG. 6–31, but in this case made of a very precious material and carved with reliefs on the exterior sides. On the interior of a diptych there were shallow, traylike recessions



**6-68 • PRIESTESS OF BACCHUS (?)** Right panel of the diptych of Symmachus and Nicomachus. c. 390–401 ce. Ivory,  $11^34 \times 4^34''$  (29.9  $\times$  12 cm). Victoria & Albert Museum, London.

filled with wax, into which messages could be written with a stylus and sent with a servant as a letter to a friend or acquaintance, who could then smooth out the wax surface, incise a reply with his or her own stylus, and send the diptych back to its owner with the servant. Here one family's name is inscribed at the top of each panel. On the panel inscribed "Symmachorum" (illustrated here), a stately, elegantly attired priestess burns incense at a beautifully decorated altar. On her head is a wreath of ivy, sacred to Bacchus. She is assisted by a small child, and the event takes place out of doors under an oak tree, sacred to Jupiter. Like the silversmiths, Roman ivory carvers of the fourth century CE were highly skillful, and their work was widely admired. For conservative patrons like the Nicomachus and Symmachus families, they imitated the Augustan style effortlessly. The exquisite rendering of the drapery and foliage recalls the reliefs of the Ara Pacis (see page 177, FIG. B).

Classical subject matter remained attractive to artists and patrons throughout the late Roman period. Even such great Christian thinkers as the fourth-century CE bishop Gregory of Nazianzus (a saint and Father of the Orthodox Church) spoke out in support of the right of the people to appreciate and enjoy their Classical heritage, so long as they were not seduced by it to return to pagan practices. As a result, stories of the ancient gods and heroes entered the secular realm as lively, visually delightful, even erotic decorative elements. As Roman authority gave way to local rule by powerful barbarian tribes in much of the West, many people continued to appreciate Classical learning and to treasure Greek and Roman art. In the East, Classical traditions and styles were cultivated to become an enduring element of Byzantine art.

#### THINK ABOUT IT

- 6.1 Compare the scenes celebrating the vitality of human life on the walls of Etruscan tombs with the scenes portrayed on the walls of the Egyptian tombs explored in Chapter 3.
- 6.2 Explain how the Roman interest in portraits grew out of early funeral rituals.
- 6.3 Describe three themes that are found in the murals of Roman houses in Pompeii, using specific examples from this chapter. Why do you think these themes were chosen for the decoration of homes?
- **6.4** Identify two key structural advances made by Roman builders and discuss their use in one large civic building in this chapter.
- Discuss how Roman emperors used portraiture as imperial propaganda. Focus your discussion on a comparison of the busts of the emperor Commodus (Fig. 6–53) and a tetrarch (Fig. 6–57).

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**7-1 • DAVID BATTLING GOLIATH** One of the "David Plates," made in Constantinople. 629–630 ce. Silver, diameter  $19^7 \ell''$  (49.4 cm). Metropolitan Museum of Art, New York.

# JEWISH, EARLY CHRISTIAN, AND BYZANTINE ART

The robust figures on this huge silver plate (Fig. 7–1) enact three signature episodes in the youthful hero David's combat with the Philistine giant Goliath (I Samuel 17:41–51). In the upper register, David—easily identified not only by his youth but also by the prominent halo as the "good guy" in all three scenes—and Goliath challenge each other on either side of a seated Classical personification of the stream that will be the source of the stones David will use in the ensuing battle. The confrontation itself appears in the middle, in a broad figural frieze whose size signals its primary importance. Goliath is most notable here for his superior armaments—helmet, spear, sword, and an enormous protective shield. At the bottom, David, stones and slingshot flung behind him, consummates his victory by severing the head of his defeated foe, whose imposing weapons and armor are scattered uselessly behind him.

It may be surprising to see a Judeo-Christian subject portrayed in a style that was developed for the exploits of Classical heroes, but this mixture of traditions is typical of the eclecticism characterizing the visual arts as the Christianized Roman world became the Byzantine Empire. Patrons saw no conflict between the artistic principles of the pagan past and the Christian teaching undergirding their imperial present. To them, this Jewish subject, created for a Christian patron in a pagan style, would have attracted notice only because of its

sumptuousness and its artistic virtuosity.

This was one of nine "David Plates" unearthed in Cyprus in 1902. Control stamps—guaranteeing the purity of the material, much like the stamps of "sterling" that appear on silver today—date them to the reign of the Byzantine emperor Heraclius (r. 613–641 cE). Displayed in the home of their owners, they were visual proclamations of wealth, but also of education and refined taste, just like collections of art and antiques in our own day. A constellation of iconographic and historical factors allows us to uncover a subtler message, however. For the original owners, the single combat of David and Goliath might have recalled a situation involving their own emperor and enemies.

The reign of Heraclius was marked by war with the Sassanian Persians. A decisive moment in the final campaign of 628–629 ce occurred when Heraclius himself stepped forward for single combat with the Persian general Razatis, and the emperor prevailed, presaging Byzantine victory. Some contemporaries referred to Heraclius as a new David. Is it possible that the set of David Plates was produced for the emperor to offer as a diplomatic gift to one of his aristocratic allies, who subsequently took them to Cyprus? Perhaps the owners later buried them for safekeeping—like the early silver platter from Mildenhall (SEE FIG. 6–67)—where they awaited discovery at the beginning of the twentieth century.

#### **LEARN ABOUT IT**

- 7.1 Investigate how aspects of Jewish and Early Christian art developed from the artistic traditions of the Roman world.
- 7.2 Interpret how Early Christian and Byzantine artists used narrative and iconic imagery to convey the foundations of the Christian faith for those already initiated into the life of the Church.
- **7.3** Analyze the connection between form and function in buildings created for worship.
- 7.4 Assess the central role of images in the devotional practices of the Byzantine world and explore the reasons for and impact of the brief interlude of iconoclasm.
- 7.5 Trace the growing Byzantine interest in conveying human emotions and representing human situations when visualizing sacred stories.

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#### JEWS, CHRISTIANS, AND MUSLIMS

Three religions that arose in the Near East dominate the spiritual life of the Western world today: Judaism, Christianity, and Islam. All three are monotheistic—believing that the same God of Abraham created and rules the universe, and hears the prayers of the faithful. lews believe that God made a covenant, or pact, with their ancestors, the Hebrews, and that they are God's chosen people. They await the coming of a savior, the Messiah, "the anointed one." Christians believe that Jesus of Nazareth was that Messiah (the name Christ is derived from the Greek term meaning "Messiah"). They believe that, in Jesus, God took human form, preached among men and women, suffered execution, then rose from the dead and ascended to heaven after establishing the Christian Church under the leadership of the apostles (his closest disciples). Muslims, while accepting the Hebrew prophets and Jesus as divinely inspired, believe Muhammad to be the last and greatest prophet of God (Allah), the Messenger of God through whom Islam was revealed some six centuries after lesus' lifetime.

All three are "religions of the book," that is, they have written records of God's will and words: the Hebrew Bible; the Christian Bible, which includes the Hebrew Bible as its Old Testament as well as the Christian New Testament; and the Muslim Qur'an, believed to be the Word of God as revealed in Arabic directly to Muhammad through the archangel Gabriel.

Both Judaism and Christianity existed within the Roman Empire, along with various other religions devoted to the worship of many gods. The variety of religious buildings excavated in present-day Syria at the abandoned Roman outpost of Dura-Europos (see "Dura-Europos," page 223) represents the cosmopolitan religious character of Roman society in the second and third centuries. The settlement—destroyed in 256 CE—

included a Jewish house-synagogue, a Christian house-church, shrines to the Persian cults of Mithras and Zoroaster, and temples to Greek and Roman gods, including Zeus and Artemis.

#### **EARLY JEWISH ART**

The Jewish people trace their origin to a Semitic people called the Hebrews, who lived in the land of Canaan. Canaan, known from the second century CE by the Roman name Palestine, was located along the eastern edge of the Mediterranean Sea (MAP 7–1). According to the Torah, the first five books of the Hebrew Bible, God promised the patriarch Abraham that Canaan would be a homeland for the Jewish people (Genesis 17:8), a belief that remains important for some Jews to this day.

Jewish settlement of Canaan probably began sometime in the second millennium BCE. According to Exodus, the second book of the Torah, the prophet Moses led the Hebrews out of slavery in Egypt to the promised land of Canaan. At one crucial point during the journey, Moses climbed alone to the top of Mount Sinai, where God gave him the Ten Commandments, the cornerstone of Jewish law. The commandments, inscribed on tablets, were kept in a gold-covered wooden box, the Ark of the Covenant.

Jewish law forbade the worship of idols, a prohibition that often made the representational arts—especially sculpture in the round—suspect. Nevertheless, artists working for Jewish patrons depicted both symbolic and narrative Jewish subjects, and they looked to both Near Eastern and Classical Greek and Roman art for inspiration.

THE FIRST TEMPLE IN JERUSALEM. In the tenth century BCE, the Jewish king Solomon built a temple in Jerusalem to house the Ark of the Covenant. According to the Hebrew Bible (2 Chronicles 2–7),



7-2 • MENORAHS AND ARK OF THE COVENANT

Wall painting in a Jewish catacomb, Villa Torlonia, Rome. 3rd century.  $3'11'' \times 5'9''$  (1.19  $\times$  1.8 m).

The menorah form probably derives from the ancient Near Eastern Tree of Life, symbolizing for the Jewish people both the end of exile and the paradise to come.



MAP 7-1 • THE LATE ROMAN AND BYZANTINE WORLD

The eastern shores of the Mediterranean, birthplace of Judaism and Christianity, were the focal point of the Byzantine Empire. It expanded further west under the Emperor Justinian, though by 1025 cE it had contracted again to the east.

he sent to nearby Phoenicia for cedar, cypress, and sandalwood, and for a superb construction supervisor. Later known as the First Temple, it was the spiritual center of Jewish life. Biblical texts describe courtyards, two bronze **pillars** (large, free-standing architectural forms), an entrance hall, a main hall, and the Holy of Holies, the innermost chamber that housed the Ark and its guardian cherubim, or attendant angels.

In 586 BCE, the Babylonians, under King Nebuchadnezzar II, conquered Jerusalem. They destroyed the Temple, exiled the Jews, and carried off the Ark of the Covenant. When Cyrus the Great of Persia conquered Babylonia in 539 BCE, he permitted the Jews to return to their homeland (Ezra 1:1–4) and rebuild the Temple, which became known as the Second Temple. When Canaan became part of the Roman Empire, Herod the Great (king of Judaea, 37–34 BCE) restored the Second Temple. In 70 CE, Roman forces led by the general and future emperor Titus

destroyed and looted the Second Temple and all of Jerusalem, a campaign the Romans commemorated on the Arch of Titus (SEE FIG. 6–33). The site of the Second Temple, the Temple Mount, is also an Islamic holy site, the Haram al-Sharif, and is now occupied by the shrine called the Dome of the Rock (SEE FIGS. 8–3, 8–4, 8–5).

JEMSH CATACOMB ART IN ROME. Most of the earliest surviving examples of Jewish art date from the Hellenistic and Roman periods. Six Jewish catacombs (underground cemeteries), discovered on the outskirts of Rome and in use from the first to fourth centuries CE, display wall paintings with Jewish themes. In one example, from the third century CE, two menorahs (seven-branched lamps), flank the long-lost ARK OF THE COVENANT (FIG. 7–2). The continuing representation of the menorah, one of the precious objects looted from the Second Temple, kept the memory of the lost Jewish treasures alive.



7-3 • WALL WITH TORAH NICHE

From a house-synagogue, Dura-Europos, Syria. 244–245 ce. Tempera on plaster, section approx. 40′ (12.19 m) long. Reconstructed in the National Museum, Damascus, Syria.

SYNAGOGUES. Judaism has long emphasized religious learning. Jews gather in synagogues for study of the Torah—considered a form of worship. A synagogue can be any large room where the Torah scrolls are kept and read; it was also the site of communal social gatherings. Some synagogues were located in private homes or in buildings originally constructed like homes. The first Dura-Europos synagogue consisted of an assembly hall, a separate alcove for women, and a courtyard. After a remodeling of the building, completed in 244–245 CE, men and women shared the hall,

and residential rooms were added. Two architectural features distinguished the assembly hall: a bench along its walls and a niche for the Torah scrolls (FIG. 7–3).

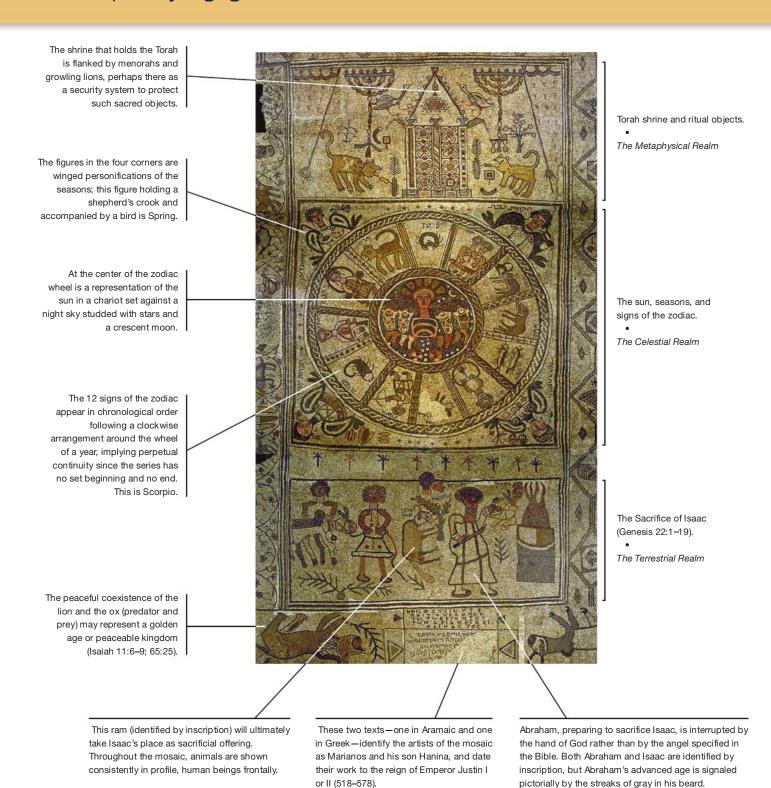
Scenes from Jewish history and the story of Moses, as recorded in Exodus, unfold in a continuous visual narrative around the room, employing the Roman tradition of epic historical presentation (SEE FIG. 6–44). In the scene of **THE CROSSING OF THE RED SEA (FIG. 7–4)**, Moses appears twice to signal sequential moments in the dramatic narrative. To the left he leans toward the army of Pharaoh



7-4 • THE CROSSING
OF THE RED SEA
Detail of a wall painting from a house-synagogue,
Dura-Europos, Syria.
244–245 ce. National
Museum, Damascus.

# The Mosaic Floor of the Beth Alpha Synagogue

by Marianos and Hanina. Ritual Objects, Celestial Diagram, and Sacrifice of Isaac. Galilee, Israel. 6th century CE.



SEE MORE: View the Closer Look feature for the Mosaic Floor of the Beth Alpha Synagogue www.myartslab.com

marching along the path that had been created for the Hebrews by God's miraculous parting of the waters, but at the right, wielding his authoritative staff, he returns the waters over the Egyptian soldiers to prevent them from pursuing his followers. Over both scenes hovers a large hand, representing God's presence in both miracles—the parting and the unparting—using a symbol that will also be frequent in Christian art. Hieratic scale makes it clear who is the hero in this two-part narrative, but the clue to his identity is provided only by the context of the story, which observers would have already known.

In addition to house-synagogues, Jews built meeting places designed on the model of the ancient Roman basilica. A typical basilica synagogue had a central nave; an aisle on both sides, separated from the nave by a line of columns; a semicircular apse with Torah shrine in the wall facing Jerusalem; and perhaps an atrium and porch, or narthex (vestibule). The small, fifth-century CE synagogue at Beth Alpha—discovered between the Gilboa mountains and the River Jordan by farmers in 1928—fits well into this pattern, with a three-nave interior, vestibule, and courtyard. Like some other very grand synagogues, it also has a mosaic floor, in this case a later addition from the sixth century. Most of the floor decoration is geometric in design, but in the central nave there are three complex panels full of figural compositions and symbols (see "A Closer Look," page 221) created using 21 separate colors of stone and glass tesserae. The images of ritual objects, a celestial diagram of the zodiac, and a scene of Abraham's near-sacrifice of Isaac, bordered by strips of foliate and geometric ornament, draw on both Classical and Near Eastern pictorial traditions.

#### **EARLY CHRISTIAN ART**

Christians believe in one God manifest in three persons—the Trinity of Creator-Father (God), Son (Jesus Christ), and Holy Spirit—and that Jesus was the Son of God by a human mother, the Virgin Mary. At the age of 30, Jesus gathered a group of followers, male and female; he performed miracles of healing and preached love of God and neighbor, the sanctity of social justice, the forgiveness of sins, and the promise of life after death. Christian belief holds that, after his ministry on Earth, Jesus was executed by crucifixion, and after three days rose from the dead.

THE CHRISTIAN BIBLE. The Christian Bible is divided into two parts: the Old Testament (the Hebrew Bible) and the New Testament. The life and teachings of Jesus of Nazareth were recorded between about 70 and 100 CE in New Testament Gospels attributed to the four evangelists (from the Greek *evan gelion*, meaning "good news"): Matthew, Mark, Luke, and John. The order was set by St. Jerome, an early Church Father who made a translation of the books from Greek into Latin.

In addition to the four Gospels, the New Testament includes the Acts of the Apostles and the Epistles, 21 letters of advice and encouragement written to Christian communities in Greece, Asia Minor, and other parts of the Roman Empire. The final book is Revelation (Apocalypse), a series of enigmatic visions and prophecies concerning the eventual triumph of God at the end of the world, written about 95 CE.

THE EARLY CHURCH. Jesus limited his ministry primarily to Jews; it was his apostles, as well as later followers such as Paul, who took his teachings to gentiles (non-Jews). Despite sporadic persecutions, Christianity persisted and spread throughout the Roman Empire. The government formally recognized the religion in 313, and Christianity grew rapidly during the fourth century. As well-educated, upper-class Romans joined the Christian Church, they established an increasingly elaborate organizational structure along with ever-more complicated rituals and doctrine.

Christian communities became organized by geographic units, called dioceses, along the lines of Roman provincial governments. Senior church officials called bishops served as governors of dioceses made up of smaller units, parishes, headed by priests. A bishop's church is a **cathedral**, a word derived from the Latin *cathedra*, which means "chair" but took on the meaning of "bishop's throne."

Communal Christian worship focused on the central "mystery," or miracle, of the Incarnation of God in Jesus Christ and the promise of salvation. At its core was the ritual consumption of bread and wine, identified as the Body and Blood of Christ, which Jesus had inaugurated at the Last Supper, a Passover seder meal with his disciples just before his crucifixion. Around these acts developed an elaborate religious ceremony, or liturgy, called the **Eucharist** (also known as Holy Communion or the Mass).

The earliest Christians gathered to worship in private apartments or houses, or in buildings constructed after domestic models such as the third-century church-house excavated at Dura-Europos (see "Dura-Europos," opposite). As their rites became more ritualized and complicated, however, Christians developed special buildings—churches and baptisteries—as well as specialized ritual equipment. They also began to use art to visualize their most important stories and ideas (see "Narrative and Iconic," page 224). The earliest surviving Christian art dates to the early third century and derives its styles and its imagery from Jewish and Roman visual traditions. In this process, known as syncretism, artists assimilate images from other traditions and give them new meanings. The borrowings can be unconscious or quite deliberate. For example, orant figures—worshipers with arms outstretched in prayer—can be pagan, lewish, or Christian, depending on the context in which they occur. Perhaps the best-known syncretic image is the Good Shepherd. In pagan art, he was Apollo, or Hermes the shepherd, or Orpheus among the animals, or a personification of philanthropy. For Early Christians, he became the Good Shepherd of the Psalms (Psalm 23) and the Gospels (Matthew 18:12-14, John 10:11-16). Such images, therefore, do not have a stable meaning, but are associated with the meaning(s) that a particular viewer brings to them. They remind rather than instruct.

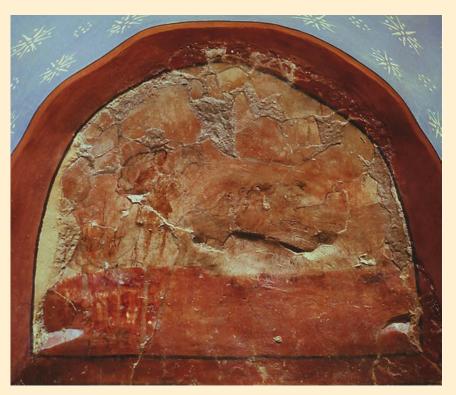
## **RECOVERING THE PAST | Dura-Europos**

Our understanding of buildings used for worship by third-century Jews and Christians was greatly enhanced—even revolutionized—by the spectacular discoveries made in the 1930s while excavating the Roman military garrison and border town of Dura-Europos (in modern Syria). In 256, threatened by the Parthians attacking from the east, residents of Dura built a huge earthwork mound around their town in an attempt to protect themselves from the invading armies. In the process-since they were located on the city's margins right against its defensive stone wall - the houses used by Jews and Christians as places of worship were buried under the earthwork perimeter. In spite of this enhanced fortification, the Parthians conquered Dura-Europos. But since the victors never unearthed the submerged margins of the city, an intact Jewish house-synagogue and Christian house-church remained underground awaiting the explorations of modern archaeologists.

We have already seen the extensive strip narratives flanking the Torah shrine in the house-synagogue (SEE FIG. 7-3). The discovery of this expansive pictorial decoration contradicted a long-held scholarly belief that Jews of this period avoided figural decoration of any sort, in conformity to Mosaic law (Exodus 20:4). And a few blocks down the street that ran along the city wall, a typical Roman house built around a central courtyard held another surprise. Only a discreet red cross above the door distinguished it from the other houses on its block, but the arrangement of the interior clearly documents its use as a Christian place of worship. A large assembly hall that could seat 60-70 people sits on one side of the courtyard, and across from it is a smaller but extensively decorated room with a water tank set aside for baptism, the central rite of Christian initiation (FIG. A). Along the walls were scenes from Christ's miracles and a monumental portrayal of women visiting his tomb about to discover his resurrection (below). Above the baptismal basin is a lunette (semicircular wall section) featuring the Good Shepherd with his flock, but also including at lower left diminutive figures of Adam and Eve covering themselves in shame after their sinful disobedience (FIG. B). Even this early in Christian art, sacred spaces were decorated with pictures proclaiming the theological meaning of the rituals they housed. In this painting, Adam and Eve's fall from grace is juxtaposed with a larger image of the Good Shepherd (representing Jesus) who came to Earth to care for and guide his sheep (Christian believers) toward redemption and eternal life -a message that was especially appropriate juxtaposed with the rite of Christian baptism, which signaled the converts' passage from sin to salvation.



A. MODEL OF WALLS AND BAPTISMAL FONT
Baptistery of a Christian house-church, Dura-Europos, Syria. Before 256. Fresco.
Yale University Art Gallery, New Haven, Connecticut.



B. THE GOOD SHEPHERD WITH ADAM AND EVE AFTER THE FALL
Detail of lunette painting above.



## ART AND ITS CONTEXTS

#### Narrative and Iconic

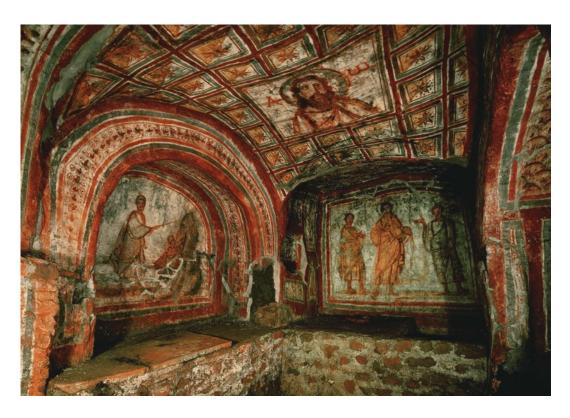
In this Roman catacomb painting (scene at left), Peter, like Moses before him, strikes a rock and water flows from it. Imprisoned in Rome after the arrest of Jesus, Peter converted his fellow prisoners and jailers to Christianity, but he needed water with which to baptize them. Miraculously a spring gushed forth at the touch of his staff.

In the star-studded heavens painted on the vault of this chamber floats the face of Christ, flanked by the first and last letters of the Greek alphabet, alpha and omega. Here Christ takes on the guise not of the youthful teacher or miracle-worker seen so often in Early Christian art, but of a Greek philosopher, with long beard and hair. The halo of light around his head indicates his importance and his divinity, a symbol appropriated from the conventions of Roman imperial art, where haloes often appear around the heads of emperors.

These two catacomb paintings represent two major directions of Christian art—the narrative and the iconic. The **narrative image** 

recounts an event drawn from St. Peter's life—striking the rock for water—which in turn evokes the establishment of the Church as well as the essential Christian rite of baptism. The **iconic image**—Christ's face flanked by alpha and omega—offers a tangible expression of an intangible concept. The letters signify the beginning and end of time, and, combined with the image of Christ, symbolically represent not a story, but an idea—the everlasting dominion of the heavenly Christ.

Throughout the history of Christian art these two tendencies will be apparent—the narrative urge to tell a good story, whose moral or theological implications often have instructional or theological value, and the desire to create iconic images that symbolize the core concepts and values of the developing religious tradition. In both cases, the works of art take on meaning only in relation to viewers' stored knowledge of Christian stories and beliefs.



#### CUBICULUM OF LEONIS, CATACOMB OF COMMODILLA

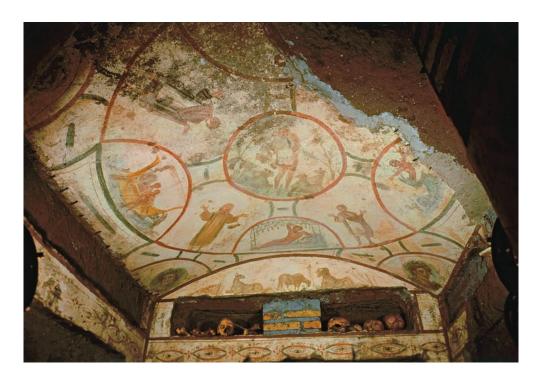
Near Rome. Late 4th century.

In the niche seen on the right, two early Roman Christian martyrs, Felix (d. 274) and Adauctus (d. 303) flank a youthful, beardless Jesus, who holds a book emphasizing his role as teacher. By including Peter and Roman martyrs in the chamber's decoration, the early Christians, who dug this catacomb as a place to bury their dead, emphasized the importance of their city in Christian history.

CATACOMB PAINTINGS. Christians, like Jews, used catacombs for burials and funeral ceremonies, not as places of worship. In the Christian Catacomb of Commodilla, dating from the fourth century, long rectangular niches in the walls, called *loculi*, each held two or three bodies. Affluent families created small rooms, or **cubicula** (singular, *cubiculum*), off the main passages to house sarcophagi (see "Narrative and Iconic," above). The *cubicula* were

hewn out of tufa, soft volcanic rock, then plastered and painted with imagery related to their owners' religious beliefs. The finest Early Christian catacomb paintings resemble murals in houses such as those preserved at Rome and Pompeii.

One fourth-century Roman catacomb contained remains, or relics, of SS. Peter and Marcellinus, two third-century Christians martyred for their faith. Here, the ceiling of a *cubiculum* is



7-5 • THE GOOD SHEPHERD, ORANTS, AND THE STORY OF JONAH

Painted ceiling of the Catacomb of SS. Peter and Marcellinus, Rome. Late 3rd—early 4th century.

partitioned by a central **medallion**, or round compartment, and four **lunettes**, semicircular framed by arches (FIG. 7–5). At the center is a Good Shepherd, whose pose has roots in Classical sculpture. In its new context, the image was a reminder of Jesus' promise "I am the good shepherd. A good shepherd lays down his life for the sheep" (John 10:11).

The semicircular compartments surrounding the Good Shepherd tell the story of Jonah and the sea monster from the Hebrew Bible (Jonah 1–2), in which God caused Jonah to be thrown overboard, swallowed by the monster, and released, repentant and unscathed, three days later. Christians reinterpreted this story as a parable of Christ's death and resurrection—and hence of the everlasting life awaiting true believers—and it was a popular subject in Christian catacombs. On the left, Jonah is thrown from the boat; on the right, the monster spits him up; and at the center, Jonah reclines in the shade of a vine, a symbol of paradise. Orant figures stand between the lunettes, presumably images of the faithful Christians who were buried here.

SCULPTURE. Early Christian sculpture before the fourth century is even rarer than painting. What survives is mainly sarcophagi and small statues and reliefs. A remarkable set of small marble figures, discovered in the 1960s and probably made in third-century Asia Minor, features a gracious **GOOD SHEPHERD** (FIG. 7–6). Because it was found with sculptures depicting Jonah—as we have already seen, a popular Early Christian theme—it is probably from a Christian home.

#### 7-6 • THE GOOD SHEPHERD

Eastern Mediterranean, probably Anatolia (Turkey). Second half of the 3rd century. Marble, height 1934" (50.2 cm), width 16" (15.9 cm). Cleveland Museum of Art. John L. Severance Fund, 1965.241



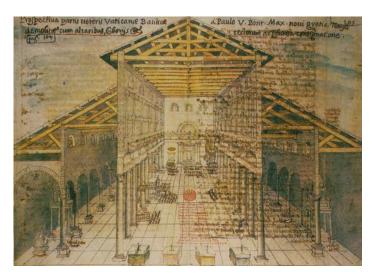
# IMPERIAL CHRISTIAN ARCHITECTURE AND ART

When Constantine issued the Edict of Milan in 313, granting all people in the Roman Empire freedom to worship whatever god they wished, Christianity and Christian art and architecture entered a new phase. Sophisticated philosophical and ethical systems developed, incorporating many ideas from Greek and Roman pagan thought. Church scholars edited and commented on the Bible, and the papal secretary who would become St. Jerome (c. 347–420) undertook a new translation from Hebrew and Greek versions into Latin, the language of the Western Church. The so-called Vulgate (from the same root as the word "vulgar," the Latin *vulgaris*, meaning "common" or "popular") became the official version of the Bible.

#### ARCHITECTURE

The developing Christian community had special architectural needs. Greek temples had served as the house and treasury of the gods, forming a backdrop for ceremonies that took place at altars in the open air. In Christianity, an entire community gathered inside a building to worship. Christians also needed places or buildings for activities such as the initiation of new members, private prayer, and burials. From the age of Constantine, pagan basilicas provided the model for congregational churches, and tombs provided a model for baptisteries and martyrs' shrines (see "Longitudinal-Plan and Central-Plan Churches," page 228).

OLD ST. PETER'S CHURCH. Constantine also ordered the construction of a large new basilica to mark the place where Christians believed St. Peter was buried (see "Longitudinal-Plan and Central-Plan Churches," page 228, FIG. A). Our knowledge of what is now called Old St. Peter's (it was destroyed and replaced



7-7 • Jacopo Grimaldi INTERIOR OF OLD ST. PETER'S 1619 copy of an earlier drawing. Vatican Library, Rome. MS Barberini Lat. 2733, fols. 104v–105r

**EXPLORE MORE:** Gain insight from a primary source related to Old St. Peter's www.myartslab.com

by a new building in the sixteenth century) is based on written descriptions, drawings made before and while it was being dismantled (FIG. 7–7), the study of other churches inspired by it, and modern archaeological excavations at the site.

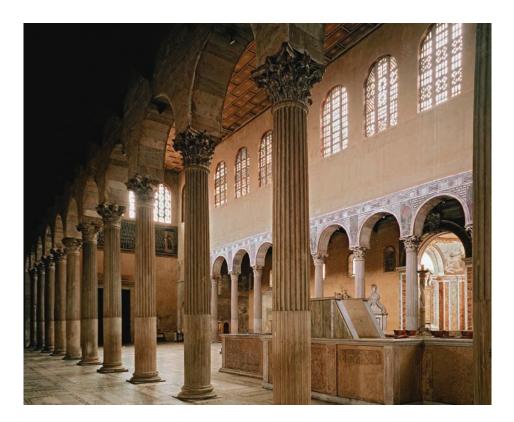
Old St. Peter's included architectural elements in an arrangement that has characterized Christian basilica churches ever since. A narthex across the width of the building provided a place for people who had not yet been baptized. Five doorways—a large, central portal into the nave and two portals on each side—gave access to the church. Columns supporting an entablature lined the nave, forming what is called a nave colonnade. Running parallel to the nave colonnade on each side was another row of columns that



7-8 • CHURCH OF SANTA SABINA

Rome. Exterior view from the southeast. c. 422–432.

SEE MORE: Click the Google Earth link for Santa Sabina www.myartslab.com



7-9 • INTERIOR, CHURCH OF SANTA SABINA

Rome. View from the south aisle near the sanctuary toward the entrance. c. 422–432.

created double side aisles; these columns supported round arches rather than an entablature. The roofs of both nave and aisles were supported by wooden rafters. Sarcophagi and tombs lined the side aisles. At the apse end of the nave, Constantine's architects added an innovative transept—a perpendicular hall crossing in front of the apse. This area provided additional space for the large number of clergy serving the church, and it also accommodated pilgrims visiting the tomb of St. Peter. Old St. Peter's could hold at least 14,000 worshipers, and it remained the largest church in Christendom until the eleventh century.

SANTA SABINA. Old St. Peter's is gone, but the church of Santa Sabina in Rome, constructed by Bishop Peter of Illyria (a region in the Balkan peninsula) a century later, between about 422 and 432, appears much as it did in the fifth century (FIGS. 7–8, 7–9). The basic elements of the Early Christian basilica church are clearly visible here, inside and out: a nave lit by clerestory windows, flanked by single side aisles, and ending in a rounded apse.

Santa Sabina's exterior is simple brickwork. In contrast, the church's interior displays a wealth of marble veneer and 24 fluted marble columns with Corinthian capitals reused from a second-century pagan building. (Material reused from earlier buildings is known as *spolia*, Latin for "spoils.") The columns support round arches, creating a nave arcade, in contrast to the straight rather than arching nave colonnade in Old St. Peter's. The spandrels—above the columns and between the arches—are inlaid with marble images of the chalice (wine cup) and paten (bread plate)—essential equipment for the Eucharistic rite that took place at the altar. In such basilicas, the blind wall between the arcade and the clerestory

typically had paintings or mosaics with biblical scenes, but here the decoration of the upper walls is lost.

SANTA COSTANZA. Central-plan Roman buildings, with vertical (rather than longitudinal) axes, served as models for Christian tombs, martyrs' churches, and baptisteries (see "Longitudinal-Plan and Central-Plan Churches," page 228). One of the earliest surviving central-plan Christian buildings is the mausoleum of Constantina, daughter of Constantine. Her tomb was built outside the walls of Rome just before 350 (FIG. 7–10), and it was consecrated as a church



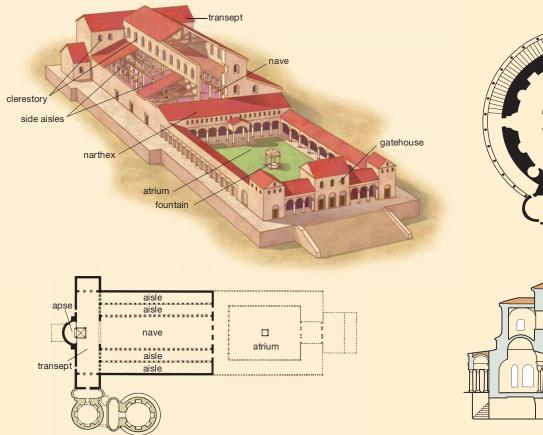
**7-10 • CHURCH OF SANTA COSTANZA** Rome. c. 350. View from ambulatory into rotunda.

## **ELEMENTS OF ARCHITECTURE | Longitudinal-Plan and** Central-Plan Churches

The forms of Early Christian buildings were based on two Roman prototypes: rectangular basilicas (SEE FIGS. 6-40, 6-59, 6-65) and circular or squared structures-including rotundas like the Pantheon (SEE FIGS. 6-46, 6-47). As in the basilica of Old St. Peter's in Rome (FIG. A), longitudinal-plan churches are characterized by a forecourt, the atrium, leading to an entrance porch, the narthex, which spans one of the building's short ends. Doorways -known collectively as the church's portals-lead from the narthex into a long, congregational area called a nave. Rows of columns separate the high-ceilinged nave from one or two lower aisles on either side. The nave can be lit by windows along its upper level just under the ceiling, called a clerestory, that rises above the side aisles' roofs. At the opposite end of the nave from the narthex is a semicircular projection, the apse. The apse functions as the building's focal point where the altar, raised on a platform, is located. Sometimes there is also a transept, a wing that

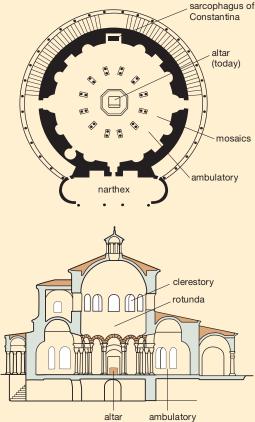
crosses the nave in front of the apse, making the building T-shape. When additional space (a liturgical choir) comes between the transept and the apse, the plan is known as a Latin cross.

Central-plan buildings were first used by Christians, like their pagan Roman forebears, as tombs. Central planning was also employed for baptisteries (where Christians "died"-giving up their old life - and were reborn as believers), and churches dedicated to martyrs (e.g. San Vitale, SEE FIG. 7-20), often built directly over their tombs. Like basilicas, central-plan churches can have an atrium, a narthex, and an apse. But instead of the longitudinal axis of basilican churches, which draws worshipers forward along a line from the entrance toward the apse, central-plan buildings, such as the Mausoleum of Constantina rededicated in 1256 as the church of Santa Costanza (FIG. B)-have a more vertical axis, from the center up through the dome, which may have functioned as a symbolic "vault of heaven."



A. PLAN AND RECONSTRUCTION DRAWING. OLD ST. PETER'S BASILICA

Rome. c. 320-327; atrium added in later 4th century. Approx. 394' (120 m) long and 210' (64 m) wide.



B. PLAN AND SECTION, CHURCH OF SANTA COSTANZA

Rome. c. 350.

in 1256, dedicated to Santa Costanza (the Italian form of Constantina, who was sanctified after her death). The building is a tall rotunda with an encircling barrel-vaulted passageway called an ambulatory. Paired columns with Composite capitals and richly molded

entablature blocks support the arcade and dome. Originally, the interior was entirely sheathed in mosaics and veneers of fine marble.

Mosaics still surviving in the ambulatory vault recall the syncretic images in the catacombs. In one section, for example, a



7-11 • HARVESTING OF GRAPES

Ambulatory vault, church of Santa Costanza, Rome. c. 350. Mosaic.

bust portrait of Constantina at the crest of the vault is surrounded by a tangle of grapevines filled with **putti**—naked cherubs, derived from pagan art—who vie with the birds to harvest the grapes (FIG.

**7-12 • SARCOPHAGUS OF CONSTANTINA** c. 350. Porphyry, height 7'5" (2.26 m). Musei Vaticani, Vatican, Rome.

**7–11).** Along the bottom edges on each side, other *putti* drive wagonloads of grapes toward pavilions housing large vats in which more *putti* trample the grapes into juice for the making of wine.

The technique, subject, and style are Roman and traditionally associated with Bacchus and his cult, but the meaning here is new In a Christian context, the wine references the Eucharist and the trampling of grapes to transform them into wine becomes an image of death and resurrection. Constantina's pagan husband, however, may have appreciated the double allusion.

#### **SCULPTURE**

In sculpture, as in architecture, Christians adapted Roman forms for their own needs, especially monumental stone sarcophagi. For instance, within her mausoleum, Constantina (d. 354) was buried within a spectacularly huge porphyry sarcophagus (FIG. 7-12) that was installed across from the entrance on the other side of the ambulatory in a rectangular niche (visible on the plan on page 228, FIG. B; an in-place replica peeks over the altar in FIG. 7–10). The motifs are familiar. The same theme of putti making wine that we saw highlighted in the mosaics of the ambulatory vaults appears here as well, focused within areas framed by a huge, undulating grapevine, whose subsidiary shoots curl above and below over the flat sides of the box. Striding along its



**7-13 • SARCOPHAGUS OF JUNIUS BASSUS**Grottoes of St. Peter,
Vatican, Rome. c. 359.
Marble,  $4 \times 8'$  (1.2  $\times$  2.4 m).

base, peacocks symbolize eternal life in paradise, while a lone sheep could represent a member of Jesus' flock, presumably Constantina herself.

The contemporary marble **SARCOPHAGUS OF JUNIUS BASSUS** (FIG. 7–13) is packed with elaborate figural scenes like the second-century CE Dionysiac Sarcophagus (see "A Closer Look," page 206), only here they are separated into two registers, where columns, entablatures, and gables divide the space into fields for individual scenes. Junius Bassus was a Roman official who, as the inscription here tells us, was "newly baptized" and died on August 25, 359, at the age of 42.

In the center of both registers is a triumphant Christ. Above, he appears as a Roman emperor, distributing legal authority in the form of scrolls to flanking figures of SS. Peter and Paul, and resting his feet on the head of Coelus, the pagan god of the heavens, here representing the cosmos to identify Christ as Cosmocrator (ruler of the cosmos). In the bottom register, the earthly Jesus makes his triumphal entry into Jerusalem, like a Roman emperor entering a conquered city. Jesus, however, rides on a humble ass rather than a powerful steed.

Even in the earliest Christian art, such as that in catacomb paintings and here on the *Sarcophagus of Junius Bassus*, artists employed episodes from the Hebrew Bible allegorically since Christians saw them as prefigurations of important events in the New Testament. At the top left, Abraham passes the test of faith and need not sacrifice his son Isaac. Christians saw in this story an allegory that foreshadowed God's sacrifice of his own son, Jesus, which culminates not in Jesus' death, but his resurrection. Under the triangular gable, second from the end at bottom right, the

Hebrew Bible story of Daniel saved by God from the lions prefigures Christ's emergence alive from his tomb. At bottom far left, God tests the faith of Job, who provides a model for the sufferings of Christian martyrs. Next to Job, Adam and Eve have sinned to set in motion the entire Christian redemption story. Lured by the serpent, they have eaten the forbidden fruit and, conscious of their nakedness, are trying to hide their genitals with leaves.

On the upper right side, spread over two compartments, Jesus appears before Pontius Pilate, who is about to wash his hands, symbolizing that he denies responsibility for Jesus' death. Jesus' position here, held captive between two soldiers, recalls (and perhaps could also be read as) his arrest in Gethsemane, especially since the composition of this panel is reflected in the arrests of the apostles Peter (top, second frame from the left) and Paul (bottom, far right).

#### **RAVENNA**

As Rome's political importance dwindled, that of the northern Italian city of Ravenna grew. In 395, Emperor Theodosius I split the Roman Empire into Eastern and Western divisions, each ruled by one of his sons. Heading the West, Honorius (r. 395–423) first established his capital at Milan, but in 402, to escape the siege of Germanic settlers, he moved his government to Ravenna on the east coast. Its naval base, Classis (present-day Classe), had been important since the early days of the empire. In addition to military security, Ravenna offered direct access by sea to Constantinople. When Italy fell in 476 to the Ostrogoths, Ravenna became one of their headquarters, but the beauty and richness of Early Christian buildings can still be experienced there in a remarkable group of well-preserved fifth- and sixth-century buildings.



## ART AND ITS CONTEXTS

#### The Life of Jesus

Episodes from the life of Jesus as recounted in the Gospels form the principal subject matter of Christian visual art. What follows is a list of main events in his life with parenthetical references citing their location in the Gospel texts.

#### **INCARNATION AND CHILDHOOD OF JESUS**

**The Annunciation:** The archangel Gabriel informs the Virgin Mary that God has chosen her to bear his Son. A dove often represents the **Incarnation**, her miraculous conception of Jesus through the Holy Spirit. (Lk 1:26–28)

**The Visitation:** The pregnant Mary visits her older cousin Elizabeth, pregnant with the future St. John the Baptist. (Lk 1:29–45)

**The Nativity:** Jesus is born in Bethlehem. The Holy Family—Jesus, Mary, and her husband, Joseph—is usually portrayed in a stable, or, in Byzantine art, a cave. (Lk 2:4–7)

Annunciation to and Adoration of the Shepherds: Angels announce Jesus's birth to shepherds, who hurry to Bethlehem to honor him. (Lk 2:8–20)

**Adoration of the Magi:** Wise men from the east follow a bright star to Bethlehem to honor Jesus as king of the Jews, presenting him with precious gifts. Eventually these Magi became identified as three kings, often differentiated through facial type as young, middle-aged, and old. (Mat 2:1–12)

**Presentation in the Temple:** Mary and Joseph bring the Infant Jesus to the Temple in Jerusalem, where he is presented to the high priest. (Lk 2:25–35)

Massacre of the Innocents and Flight into Egypt: An angel warns Joseph that King Herod—to eliminate the threat of a newborn rival king—plans to murder all male babies in Bethlehem. The Holy Family flees to Egypt. (Mat 2:13–16)

#### JESUS' MINISTRY

**The Baptism:** At age 30, Jesus is baptized by John the Baptist in the River Jordan. The Holy Spirit appears in the form of a dove and a heavenly voice proclaims Jesus as God's Son. (Mat 3:13–17, Mk 1:9–11, Lk 3:21–22)

**Marriage at Cana:** At his mother's request Jesus turns water into wine at a wedding feast, his first public miracle. (Jn 2:1–10)

**Miracles of Healing:** Throughout the Gospels, Jesus performs miracles of healing the blind, possessed (mentally ill), paralytic, and lepers; he also resurrects the dead.

Calling of Levi/Matthew: Jesus calls to Levi, a tax collector, "Follow me." Levi complies, becoming the disciple Matthew. (Mat 9:9, Mk 2:14) Raising of Lazarus: Jesus brings his friend Lazarus back to life four days after his death. (Jn 11:1–44)

**The Transfiguration:** Jesus reveals his divinity in a dazzling vision on Mount Tabor as his closest disciples—Peter, James, and John—look on. (Mat 17:1–5, Mk 9:2–6, Lk 9:28–35)

**Tribute Money:** Challenged to pay the temple tax, Jesus sends Peter to catch a fish, which turns out to have the required coin in its mouth. (Mat 17:24–27, Lk 20:20–25)

#### JESUS' PASSION, DEATH, AND RESURRECTION

**Entry into Jerusalem:** Jesus, riding an ass and accompanied by his disciples, enters Jerusalem, while crowds honor him, spreading clothes and palm fronds in his path. (Mat 21:1–11, Mk 11:1–11, Lk 19:30–44, Jn 12:12–15)

**The Last Supper:** During the Jewish Passover seder, Jesus reveals his impending death to his disciples. Instructing them to drink wine (his blood) and eat bread (his body) in remembrance of him, he lays the foundation for the Christian Eucharist (Mass). (Mat 26:26–30, Mk 14:22–25, Lk 22:14–20)

**Jesus Washing the Disciples' Feet:** At the Last Supper, Jesus washes the disciples' feet, modeling humility. (Jn 13: 4–12)

The Agony in the Garden: In the Garden of Gethsemane on the Mount of Olives, Jesus struggles between his human fear of pain and death and his divine strength to overcome them. The apostles sleep nearby, oblivious. (Lk 22:40–45)

**Betrayal (the Arrest):** Judas Iscariot (a disciple) has accepted a bribe to indicate Jesus to an armed band of his enemies by kissing him. (Mat 26:46–49, Mk 14:43–46, Lk 22:47–48, Jn 18:3–5)

Jesus before Pilate: Jesus is taken to Pontius Pilate, Roman governor of Judaea, and charged with treason for calling himself king of the Jews. Pilate proposes freeing Jesus but is shouted down by the mob, which demands Jesus be crucified. (Mat 27:11–25, Mk 15:4–14, Lk 23:1–24, Jn 18:28–40)

The Crucifixion: Jesus is executed on a cross, often shown between two crucified criminals and accompanied by the Virgin Mary, John the Evangelist, Mary Magdalen, and other followers at the foot of the cross; Roman soldiers sometimes torment Jesus—one extending a sponge on a pole with vinegar instead of water for him to drink, another stabbing him in the side with a spear. A skull can identify the execution ground as **Golgotha**, "the place of the skull." (Mat 27:35–50, Mk 15:23–37, Lk 23:38–49, Jn 19:18–30)

**Descent from the Cross (the Deposition):** Jesus' followers take his body down from the cross. (Mat 27:55–59, Mk 15:40–46, Lk 23:50–56, Jn 19:38–40)

**The Lamentation/Pietà and Entombment:** Jesus' sorrowful followers gather around his body to mourn and then place his body in a tomb. An image of the grieving Virgin alone with Jesus across her lap is known as a **pietà** (from Latin *pietas*, "pity"). (Mat 27:60–61, Jn 19:41–42)

The Resurrection/Holy Women at the Tomb: Three days after his entombment, Christ rises from the dead, and his female followers — usually including Mary Magdalen—discover his empty tomb. An angel announces Christ's resurrection. (Mat 28, Mk 16, Lk 24:1–35, Jn 20)

Descent into Limbo (Harrowing of Hell or Anastasis): The resurrected Jesus descends into limbo, or hell, to free deserving predecessors, among them Adam, Eve, David, and Moses. (Not in the Gospels)

Noli Me Tangere ("Do Not Touch Me"): Christ appears to Mary

Magdalen as she weeps at his tomb. When she reaches out to him, he

warns her not to touch him. (Lk 24:34–53, Jn 20:11–31)

**The Ascension:** Christ ascends to heaven from the Mount of Olives, disappearing in a cloud, while his mother and apostles watch. (Acts 1)

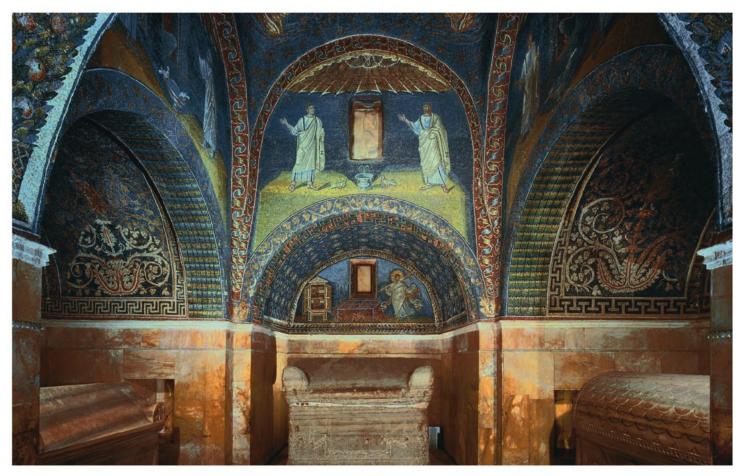


**7-14 • ORATORY OF GALLA PLACIDIA** Ravenna. c. 425–426.

SEE MORE: Click the Google Earth link for the Oratory of Galla Placidia www.myartslab.com

THE ORATORY OF GALLA PLACIDIA. One of the earliest surviving Christian structures in Ravenna is an **oratory** (small chapel), attached about 425–426 to the narthex of the church of the imperial palace (FIG. 7–14). It is named after Honorius' remarkable half-sister, Galla Placidia—daughter of the Western Roman emperor, wife of a Gothic king, and mother of Emperor Valentinian. As regent for her son after 425, she ruled the West until about 440. The oratory came to be called the Mausoleum of Galla Placidia because she and her family were once believed to be buried there.

This small building is **cruciform**, or cross-shape. A barrel vault covers each of its arms, and a pendentive dome—a dome continuous with its pendentives—covers the square space at the center (see "Pendentives and Squinches," page 236). The interior of the chapel contrasts markedly with the unadorned exterior, a transition seemingly designed to simulate the passage from the real world into the supernatural realm (FIG. 7–15). The worshiper looking from the western entrance across to the eastern bay of the chapel sees brilliant mosaics in the vaults and panels of veined marble sheathing the walls below. Bands of luxuriant floral designs and geometric patterns cover the arches and barrel vaults. The upper walls of the central space are filled with the figures of standing



7-15 • ORATORY OF GALLA PLACIDIA

Ravenna. View from entrance, barrel-vaulted arms housing sarchophagi, lunette mosaic of the martyrdom of St. Lawrence. c. 425-426.

SEE MORE: View a panorama of the interior of the Oratory of Galla Placidia www.myartslab.com



**7-16 • THE GOOD SHEPHERD**Lunette over the entrance,
Oratory of Galla Placidia.
c. 425–426. Mosaic.

apostles, gesturing like orators. Doves flanking a small fountain between the apostles symbolize eternal life in heaven.

In the lunette at the end of the barrel vault opposite the entrance, a mosaic depicts the third-century St. Lawrence, to whom the building may have been dedicated. The triumphant martyr carries a cross over his shoulder like a trophy and gestures toward the fire-engulfed metal grill on which he was literally roasted in martyrdom. At the left stands a tall cabinet containing the Gospels, signifying the faith for which he gave his life. Opposite St. Lawrence, in a lunette over the entrance portal, is a mosaic of **THE GOOD SHEPHERD (FIG. 7–16)**. A comparison of this version with a fourth-century depiction of the same subject (SEE FIG. 7–5) reveals significant changes in content and design.

Jesus is no longer a boy in a simple tunic, but an adult emperor wearing purple and gold royal robes, his imperial majesty signaled by the golden halo surrounding his head and by a long golden staff that ends in a cross instead of a shepherd's crook. At the time this mosaic was made, Christianity had been the official state religion for 45 years, and nearly a century had past since the last official persecution of Christians. The artists and patrons of this mosaic chose to assert the glory of Jesus Christ in mosaic, the richest known medium of wall decoration, in an imperial image still imbued with pagan spirit but now signaling the triumph of a new faith.

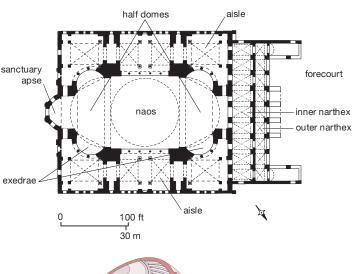
#### EARLY BYZANTINE ART

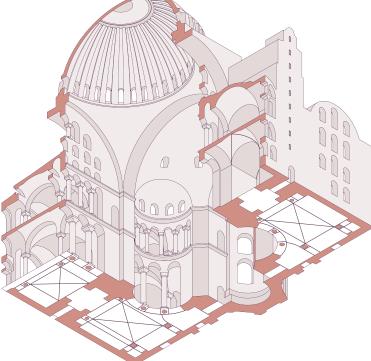
Byzantine art can be thought of broadly as the art of Constantinople (whose ancient name, before Constantine renamed it after himself, was Byzantium) and the regions under its influence. In this chapter, we focus on Byzantine art's three "golden ages." The Early Byzantine period, most closely associated with the reign of Emperor Justinian I (527–565), began in the fifth century and ended in 726, at the onset of the iconoclast controversy that led to the destruction of religious images. The Middle Byzantine period began in 843, when Empress Theodora (c. 810–867) reinstated the veneration of icons. It lasted until 1204, when Christian crusaders from the west occupied Constantinople. The Late Byzantine period began with the restoration of Byzantine rule in 1261 and ended with the empire's fall to the Ottoman Turks in 1453, at which point Russia succeeded Constantinople as the "Third Rome" and the center of the Eastern Orthodox Church. Late Byzantine art continued to flourish into the eighteenth century in Ukraine, Russia, and much of southeastern Europe.

#### THE GOLDEN AGE OF JUSTINIAN

During the fifth and sixth centuries, while invasions and religious controversy wracked the Italian peninsula, the Eastern Empire prospered. Byzantium became the "New Rome." Constantine had chosen the site of his new capital city well. Constantinople lay at the crossroads of the overland trade routes between Asia and Europe and the sea route connecting the Black Sea and the Mediterranean. It was during the sixth century under Emperor Justinian I and his wife, Theodora, that Byzantine political power, wealth, and culture were at their peak. Imperial forces held northern Africa, Sicily, much of Italy, and part of Spain. Ravenna became the Eastern Empire's administrative capital in the west, and Rome remained under nominal Byzantine control until the eighth century.







7-18 • PLAN AND ISOMETRIC DRAWING OF THE CHURCH OF HAGIA SOPHIA

## 7-17 • Anthemius of Tralles and Isidorus of Miletus CHURCH OF HAGIA SOPHIA

Istanbul. 532-537. View from the southwest.

The body of the original church is now surrounded by later additions, including the minarets built after 1453 by the Ottoman Turks. Today the building is a museum.

SEE MORE: Click the Google Earth link for Hagia Sophia www.myartslab.com

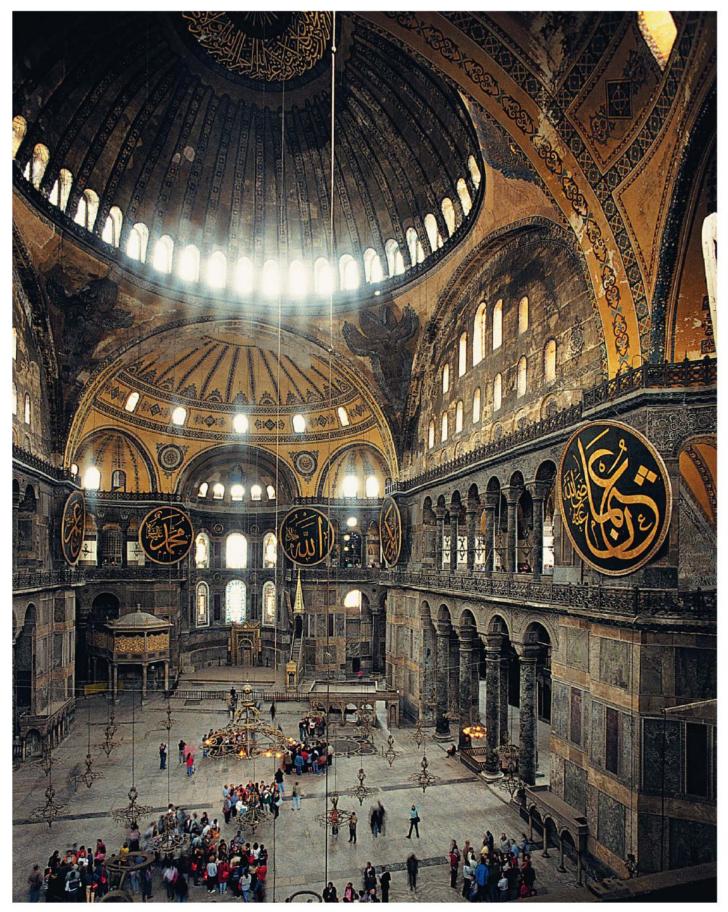
HAGIA SOPHIA. In Constantinople, Justinian and Theodora embarked on a spectacular campaign of building and renovation, but little now remains of their architectural projects or of the old imperial capital itself. The church of Hagia Sophia, meaning "Holy Wisdom," is a spectacular exception (FIG. 7–17). It replaced a fourth-century church destroyed when crowds, spurred on by Justinian's foes during the devastating urban Nika Revolt in 532, set the old church on fire and cornered the emperor within his palace. Empress Theodora, a brilliant, politically shrewd woman, is said to have goaded Justinian, who was plotting an escape, not to flee the city, saying "Purple makes a fine shroud"—meaning that she would rather remain and die an empress (purple was the royal color) than retreat and preserve her life. Taking up her words as a battle cry, Justinian led the imperial forces in crushing the rebels and restoring order, reputedly slaughtering 30,000 of his subjects in the process.

To design a new church that embodied imperial power and Christian glory, Justinian chose two scholar-theoreticians, Anthemius of Tralles and Isidorus of Miletus. Anthemius was a specialist in geometry and optics, and Isidorus a specialist in physics who had also studied vaulting. They developed an audacious and awe-inspiring design, executed by builders who had refined their masonry techniques building the towers and domed rooms that were part of the city's defenses. So when Justinian ordered the construction of domed churches, and especially Hagia Sophia, master

masons with a trained and experienced workforce stood ready to give permanent form to his architects' dreams.

The new Hagia Sophia was not constructed by the miraculous intervention of angels, as was rumored, but by mortal builders in only five years (532–537). Procopius of Caesarea, who chronicled Justinian's reign, claimed poetically that Hagia Sophia's gigantic dome seemed to hang suspended on a "golden chain from heaven." Legend has it that Justinian himself, aware that architecture can be a potent symbol of earthly power, compared his accomplishment with that of the legendary builder of the First Temple in Jerusalem, saying "Solomon, I have outdone you."

Hagia Sophia is an innovative hybrid of longitudinal and central architectural planning (FIG. 7–18). The building is clearly dominated by the hovering form of its gigantic dome (FIG. 7–19). But flanking **conches**—semidomes—extend the central space into a longitudinal nave that expands outward from the central dome to connect with the narthex on one end and the halfdome of the sanctuary apse on the other. This processional core, called



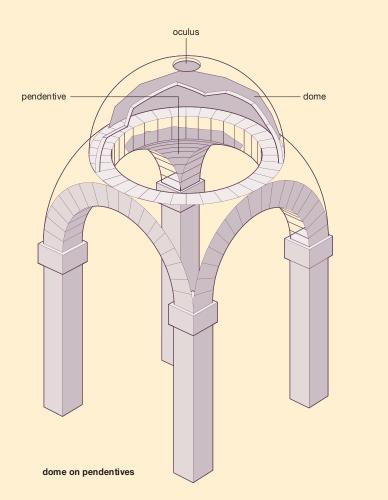
7-19 • INTERIOR OF THE CHURCH OF HAGIA SOPHIA

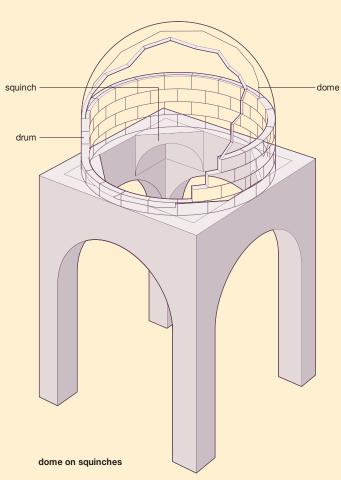
**EXPLORE MORE:** Gain insight from a primary source related to Hagia Sophia www.myartslab.com

### **ELEMENTS OF ARCHITECTURE | Pendentives and Squinches**

Pendentives and squinches are two methods of supporting a round dome or its drum over a square space. **Pendentives** are concave, spherical triangles between arches that rise upward and inward to form a circular opening on which a dome rests. **Squinches** are diagonal lintels placed across the upper corner of the wall and supported by an arch or a series of corbeled arches that give it a nichelike shape. Because squinches create an octagon, which is

close in shape to a circle, they provide a solid base around the perimeter of a dome, usually elevated on a drum (a circular wall), whereas pendentives project the dome slightly inside the square space it covers, making it seem to float. Byzantine builders preferred pendentives (as at Hagia Sophia, SEE FIG. 7–19), but elaborate, squinch-supported domes became a hallmark of Islamic architecture.





SEE MORE: View a simulation of pendentives and squinches www.myartslab.com

the **naos** in Byzantine architecture, is flanked by side aisles and **galleries** above them overlooking the naos.

Since its idiosyncratic mixture of basilica and rotunda precludes a ring of masonry underneath the dome to provide support around its circumference (as in the Pantheon, SEE FIGS. 6–46, 6–47), the main dome of Hagia Sophia rests instead on four **pendentives** (triangular curving vault sections) that connect the base of the dome with the huge supporting piers at the four corners of the square area beneath it (see "Pendentives and Squinches," above). And since these piers are essentially submerged back into the darkness of the aisles, rather than expressed within the main space itself (SEE FIG. 7–18), the dome seems to float

mysteriously over a void. The miraculous, weightless effect was reinforced by the light-reflecting gold mosaic that covered the surfaces of dome and pendentives alike, as well as the band of 40 windows that perforate the base of the dome right where it meets its support. This daring move challenges architectural logic by seeming to weaken the integrity of the masonry at the very place where it needs to be strong, but the windows created the circle of light that helps the dome appear to hover, and a reinforcement of buttressing on the exterior made the solution sound as well as shimmering. The origin of the dome on pendentives is obscure, but its large-scale use at Hagia Sophia was totally unprecedented and represents one of the boldest experiments in the history of

architecture. It was to become the preferred method of supporting domes in Byzantine architecture.

The architects and builders of Hagia Sophia clearly stretched building materials to their physical limits, denying the physicality of the building in order to emphasize its spirituality. In fact, when the first dome fell in 558, it did so because a pier and pendentive shifted and because the dome was too shallow and exerted too much outward force at its base, not because the windows weakened the support. Confident of their revised technical methods, the architects designed a steeper dome that raised the summit 20 feet higher. They also added exterior buttressing. Although repairs had to be made in 869, 989, and 1346, the church has since withstood numerous earthquakes.

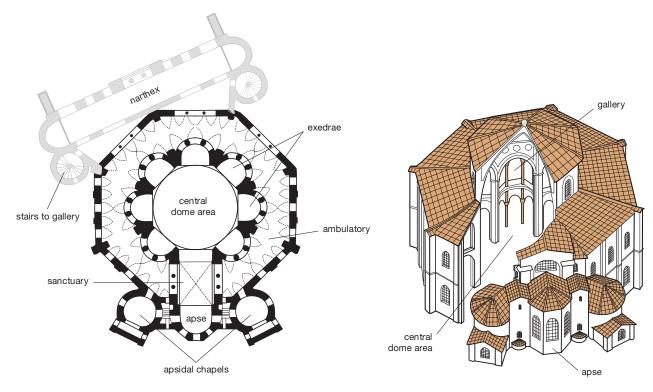
The liturgy used in Hagia Sophia in the sixth century has been lost, but it presumably resembled the rites described in detail for the church in the Middle Byzantine period. The celebration of the Mass took place behind a screen—at Hagia Sophia a crimson curtain embroidered in gold, in later churches an iconostasis, a wall hung with devotional paintings called **icons** (from the Greek *eikon*, meaning "image"). The emperor was the only layperson permitted to enter the sanctuary; men stood in the aisles and women in the galleries. Processions of clergy moved in a circular path from the sanctuary into the nave and back five or six times during the ritual. The focus of the congregation was on the iconostasis and the dome rather than the altar and apse. This upward focus reflects the interests of Byzantine philosophers, who viewed meditation as a way to rise from the material world to a spiritual state. Worshipers standing on the church floor must have

felt just such a spiritual uplift as they gazed at the mosaics of saints, angels, and, in the golden central dome, heaven itself.

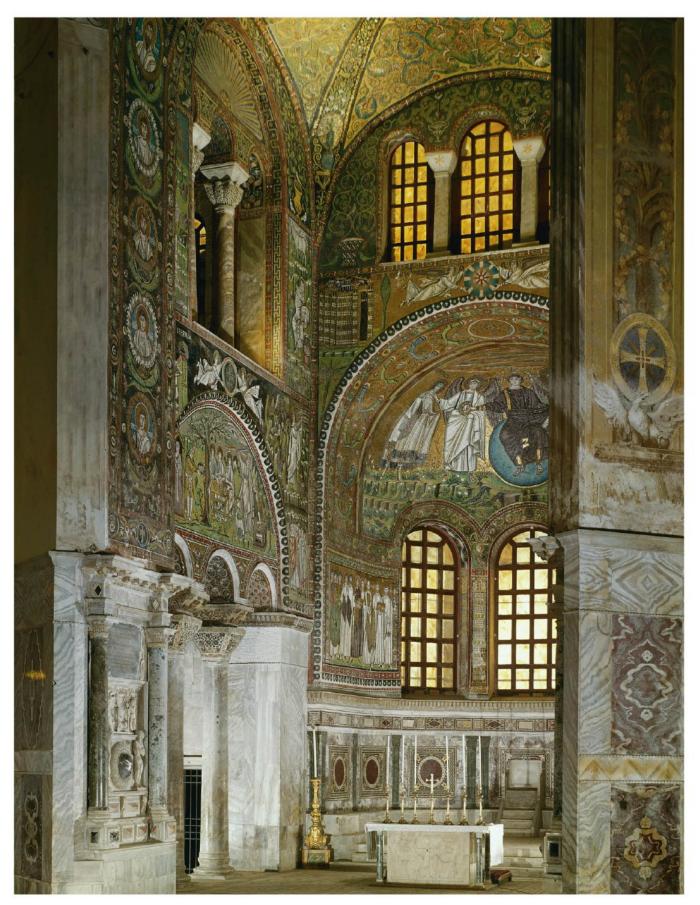
SAN VITALE. In 540, Byzantine forces captured Ravenna from the Arian Christian Ostrogoths who had themselves taken it from the Romans in 476. Much of our knowledge of the art of this turbulent period comes from the well-preserved monuments at Ravenna. In 526, Ecclesius, bishop of Ravenna, commissioned two new churches, one for the city and one for its port, Classis. Construction began on a central-plan church, a **martyrium** (church built over the grave of a martyr) dedicated to the fourth-century Roman martyr St. Vitalis (Vitale in Italian) in the 520s, but it was not finished until after Justinian had conquered Ravenna and established it as the administrative capital of Byzantine Italy (FIG. 7–20).

The design of San Vitale is basically a central-domed octagon surrounded by eight radiating exedrae (wall niches), surrounded in turn by an ambulatory and gallery, all covered by vaults. A rectangular sanctuary and semicircular apse project from one of the sides of the octagon, and circular rooms flank the apse. A separate oval narthex, set off-axis, joined church and palace and also led to cylindrical stair towers that gave access to the second-floor gallery.

The floor plan of San Vitale only hints at the effect of the complex, interpenetrating interior spaces of the church, an effect that was enhanced by the offset narthex, with its double sets of doors leading into the church. People entering from the right saw only arched openings, whereas those entering from the left approached on an axis with the sanctuary, which they saw straight



**7-20 • PLAN AND CUTAWAY DRAWING, CHURCH OF SAN VITALE** Ravenna. Under construction from c. 520; consecrated 547; mosaics, c. 546–548.



7-21 • CHURCH OF SAN VITALE

Ravenna. View into the sanctuary toward the northeast. Consecrated 547.

SEE MORE: View a panorama of San Vitale www.myartslab.com



## ART AND ITS CONTEXTS

## Naming Christian Churches: Designation + Dedication + Location

Christian churches are identified by a three-part descriptive title combining (1) designation (or type), with (2) dedication (usually to a saint), and finally (3) geographic location, cited in that order. **DESIGNATION:** There are various types of churches, fulfilling a variety of liturgical and administrative objectives, and the identification of a specific church often begins with an indication of its function within the system. For example, an abbey church is the place of worship within a monastery or convent; a pilgrimage church is a site that attracts visitors wishing to venerate relics (material remains or objects associated with a saint) as well as attend services. A cathedral is a bishop's primary church (the word derives from the Latin cathedra, meaning chair, since the chair or throne of a bishop is contained within his cathedral). A bishop's domain is called a diocese, and there can be only one church in the diocese designated as its bishop's cathedral, but the diocese is full of parish churches where local residents attend regular services.

**DEDICATION:** Christian churches are always dedicated to a saint or a sacred concept, for example St. Peter's Basilica or the Church of Hagia Sophia ("Holy Wisdom"). In short-hand identification, when we omit the church designation at the beginning, we always add an apostrophe and an s to the saint's name, as when using "St. Peter's" to refer to the Vatican Basilica of St. Peter in Rome

**LOCATION:** The final piece of information that clearly pinpoints the specific church referred to in a title is its geographic location, as in the Church of San Vitale in Ravenna or the Cathedral of Notre-Dame (French for "Our Lady," referring to the Virgin Mary) in Paris. "Notre-Dame" alone usually refers to this Parisian cathedral, in spite of the fact that many contemporary cathedrals elsewhere (e.g. at Chartres and Reims) were also dedicated to "Notre-Dame." Similarly, "St. Peter's" usually means the Vatican church of the pope in Rome.

ahead of them. The dome rests on eight large piers that frame the exedrae and the sanctuary. The undulating, two-story exedrae open through superimposed arcades into the outer aisles on the ground floor and into galleries on the second floor. They push out the circular central space and create an airy, floating sensation,

reinforced by the liberal use of veined marble veneer and colored glass and gold mosaics in the surface decoration. The structure seems to dissolve into shimmering light and color.

In the halfdome of the sanctuary apse (FIGS. 7–21, 7–22), an image of **CHRIST ENTHRONED** is flanked by St. Vitalis and Bishop

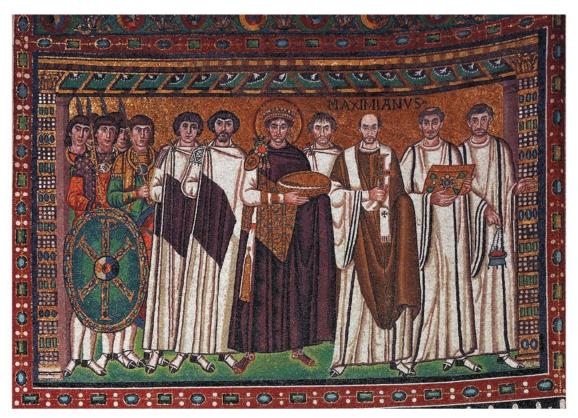
Ecclesius. The other sanctuary images relate to its use for the celebration of the Eucharist. The lunette on the north wall shows an altar table set for a meal that Abraham offers to three holy visitors, and next to it a portrayal of his near-sacrifice of Isaac. In the spandrels and other framed wall spaces appear prophets and evangelists, and the program is bristling with symbolic references to Jesus, but the focus of the sanctuary program is the courtly tableau in the semidome of the apse.

A youthful, classicizing Christ appears on axis, dressed in imperial purple and enthroned on a cosmic orb in paradise, the setting indicated by the four rivers that flow from the ground underneath him. Two winged angels flank him, like imperial bodyguards or attendants. In his left hand Christ holds a scroll with seven seals that he will open at his Second Coming at the end of time, proclaiming his authority not only over this age, but over the age to come. He extends his right hand to offer a crown of martyrdom to a figure on his right (our left) labeled as St. Vitalis, the saint to whom this church is dedicated. On



7-22 • CHRIST ENTHRONED, FLANKED BY ANGELS, ST. VITALIS AND BISHOP ECCLESIUS

Church of San Vitale, Ravenna. Consecrated 547. Mosaic.



# 7-23 • EMPEROR JUSTINIAN AND HIS ATTENDANTS, NORTH WALL OF THE APSE Church of San Vitale, Ravenna. Consecrated 547. Mosaic, 8'8" × 12' (2.64 × 3.65 m).

As head of state, the haloed Justinian wears a huge jeweled crown and a purple cloak; he carries a large golden paten (plate for Eucharistic bread) that he is donating to San Vitale for the celebration of the Eucharist. Bishop Maximianus at his left holds a jeweled cross and another churchman holds a jewel-covered book. Government officials stand at Justinian's right, followed by barbarian mercenary soldiers, one of whom wears a neck torc, another a Classical cameo cloak clasp.



**7-24 • EMPRESS THEODORA AND HER ATTENDANTS, SOUTH WALL OF THE APSE** Church of San Vitale, Ravenna. Consecrated 547. Mosaic 8'8" × 12' (2.64 × 3.65 m).

Theodora and her ladies wear the rich textiles and jewelry of the Byzantine court. Both men and women are dressed in linen or silk tunics and cloaks. The men's cloaks are fastened on the right shoulder with a fibula (brooch) and are decorated with a rectangular embroidered panel (tablion). Women wore a second full, long-sleeved garment over their tunics and a large rectangular shawl. Like Justinian, Theodora has a halo and wears imperial purple. Her elaborate jewelry includes a wide collar of embroidered and jeweled cloth. A crown, hung with long strands of pearls (thought to protect the wearer from disease), frames her face.

the other side is the only un-nimbed figure in the tableau, labeled as Bishop Ecclesius, the founder of San Vitale, who holds forward a model of the church itself, offering it to Christ. The artist has imagined a scene of courtly protocol in paradise, where Christ, as emperor, gives a gift to, and receives a gift from, visiting luminaries.

Further visitors appear in separate, flanking rectangular compositions, along the curving wall of the apse underneath the scene in the semidome—Justinian and Theodora and their retinues (the former can be seen in FIG. 7–21). The royal couple did not attend the dedication ceremonies for the church of San Vitale, conducted by Archbishop Maximianus in 547. They may never actually have set foot in Ravenna, but these two large mosaic panels that face each other across its sanctuary picture their presence here in perpetuity. Justinian (FIG. 7–23), on the north wall, carries a large golden paten that will be used to hold the Eucharistic Host and

7-25 • THE TRANSFIGURATION OF CHRIST WITH SANT'APOLLINARE, FIRST BISHOP OF RAVENNA

Church of Sant'Apollinare in Classe. Consecrated 549. Mosaics: apse, 6th century; wall above apse, 7th and 9th centuries; side panels, 7th century.

stands next to Maximianus, who holds a golden, jewel-encrusted cross. The priestly celebrants at the right carry the Gospels, encased in a golden, jeweled book cover, symbolizing the coming of the Word, and a censer containing burning incense to purify the altar prior to the Eucharist.

On the south wall, Theodora, standing beneath a fluted shell canopy and singled out by a golden halo and elaborate crown, carries a huge golden chalice studded with jewels (FIG. 7–24). The rulers present these gifts as precious offerings to Christ—emulating most immediately Bishop Ecclesius, who offers a model of the church to Christ in the apse, but also the three Magi who brought valuable gifts to the infant Jesus, depicted in "embroidery" at the bottom of Theodora's purple cloak. In fact, the paten and chalice offered by the royal couple will be used by this church to offer Eucharistic bread and wine to the local Christian community

during the liturgy. In this way the entire program of mosaic decoration revolves around themes of offering, extended into the theme of the Eucharist itself.

Theodora's group stands beside a fountain, presumably at the entrance to the women's gallery. The open doorway and curtain are Classical spacecreating devices, but here the mosaicists have deliberately avoided allowing their illusionistic power to overwhelm their ability also to create flat surface patterns. Notice, too, that the figures cast no shadows, and, though modeled, their outlines as silhouetted shapes are more prominent than their sense of threedimensionality. Still, especially in Justinian's panel, a complex and carefully controlled system of overlapping allows us to see these figures clearly and logically situated within a shallow space, moving in a stately procession from left to right toward the entrance to the church and the beginning of the liturgy. So the scenes portrayed in these mosaic paintings are both flattened and three-dimensional, abstract and representational, patterned and individualized. Like Justinian and Theodora, their images are both there and not there at the same time.

SANT'APOLLINARE IN CLASSE. At the same time that he was building the church of San Vitale, Bishop Ecclesius ordered a basilica church in the port of Classis dedicated to St. Apollinaris (Sant'Apollinare), the first bishop of Ravenna. The apse mosaic (FIG. 7–25) is a symbolic depiction of the Transfiguration (Matthew 17:1–5)—Jesus' revelation of his divinity. A narrative episode from the life of Christ has been transformed into an iconic embodiment of its underlying idea. One man and 15 sheep stand in a stylized, verdant landscape below a jeweled cross with the face of Christ at its center. The hand of God and the figures of Moses and Elijah from the Hebrew Bible

appear in the heavens to authenticate the divinity of Christ. The apostles Peter, James, and John, who witness the event, are represented here by the three sheep with raised heads. Below the cross, Bishop Apollinaris raises his hands in an orant posture of prayer, flanked by 12 lambs who seem to represent the apostles.

This highly complicated work of symbolic narrative, like the mosaics of San Vitale, must have been aimed at a sophisticated population, prepared to appreciate its theological speculations and diagrammatic outlines of Christian doctrine. At this moment in its history, the Church is directing its message to an inside audience of faithful believers, who encounter its visualization within churches in their own community. Such an art could not have been conceived to educate an uninitiated public; rather it was developed to celebrate the values that hold Christian society together by representing them in a refined and urbane visual language.

#### **OBJECTS OF VENERATION AND DEVOTION**

The court workshops of Constantinople excelled in the production of luxurious, small-scale works in gold, ivory, and textiles. The Byzantine elite also sponsored vital **scriptoria** (writing centers for **scribes**—professional document writers) for the production of **manuscripts** (handwritten books).

THE ARCHANGEL MICHAEL DIPTYCH. Commemorative ivory diptychs—two carved panels hinged together—originated with Roman politicians elected to the post of consul. New consuls would send notices of their election to friends and colleagues by inscribing them in wax that filled a recessed rectangular area on the inner sides of a pair of ivory panels carved with elaborate decoration on the reverse. Christians adapted the practice for religious use, inscribing a diptych with the names of people to be remembered with prayers during the liturgy.

This large panel depicting the **ARCHANGEL MICHAEL**—the largest surviving Byzantine ivory—was half of such a diptych (FIG. 7–26). In his classicizing beauty, imposing physical presence, and elegant architectural setting, the archangel is comparable to the (supposed) priestess of Bacchus in the fourth-century pagan Symmachus diptych panel (SEE FIG. 6–68). His relationship to the architectural space and the frame around him, however, is more complex. His heels rest on the top step of a stair that clearly lies behind the columns and pedestals, but the rest of his body projects in front of them—since it overlaps the architectural setting—creating a striking tension between this celestial figure and his terrestrial backdrop.

The angel is outfitted here as a divine messenger, holding a staff of authority in his left hand and a sphere symbolizing worldly power in his right. Within the arch is a similar cross-topped orb, framed by a wreath bound by a ribbon with long, rippling extensions, that is set against the background of a scallop shell. The lost half of this diptych would have completed the Greek inscription across the top, which reads: "Receive these gifts, and having learned the cause...." Perhaps the other panel contained a



7-26 • ARCHANGEL MICHAEL

Panel of a diptych, probably from the court workshop at Constantinople. Early 6th century. Ivory, 17  $\times$  151½" (43.3  $\times$  14 cm). British Museum, London.



## ART AND ITS CONTEXTS

#### Scroll and Codex

Since people began to write some 5,000 years ago, they have kept records on a variety of materials, including clay or wax tablets, pieces of broken pottery, papyrus, animal skins, and paper. Books have taken two forms: scroll and codex.

Scribes made **scrolls** from sheets of papyrus glued end to end or from thin sheets of cleaned, scraped, and trimmed sheepskin or calfskin, a material known as **parchment** or, when softer and lighter, **vellum**. Each end of the scroll was attached to a rod; the reader slowly unfurled the scroll from one rod to the other. Scrolls could be written to be read either horizontally or vertically.

At the end of the first century CE, the more practical and manageable **codex** (plural, codices)—sheets bound together like the modern book—replaced the scroll as the primary form of recording

texts. The basic unit of the codex was the eight-leaf quire, made by folding a large sheet of parchment twice, cutting the edges free, then sewing the sheets together up the center. Heavy covers kept the sheets of a codex flat. The thickness and weight of parchment and vellum made it impractical to produce a very large manuscript, such as an entire Bible, in a single volume. As a result, individual sections were made into separate books.

Until the invention of printing in the fifteenth century, all books were manuscripts—that is, they were written by hand. Manuscripts often included illustrations, called miniatures (from minium, the Latin word for a reddish lead pigment). Manuscripts decorated with gold and colors were said to be illuminated.

portrait of the emperor—many think he would be Justinian—or of another high official who presented the panels as a gift to an important colleague, acquaintance, or family member. Nonetheless, the emphasis here is on the powerful celestial messenger who does not need to obey the laws of earthly scale or human perspective.

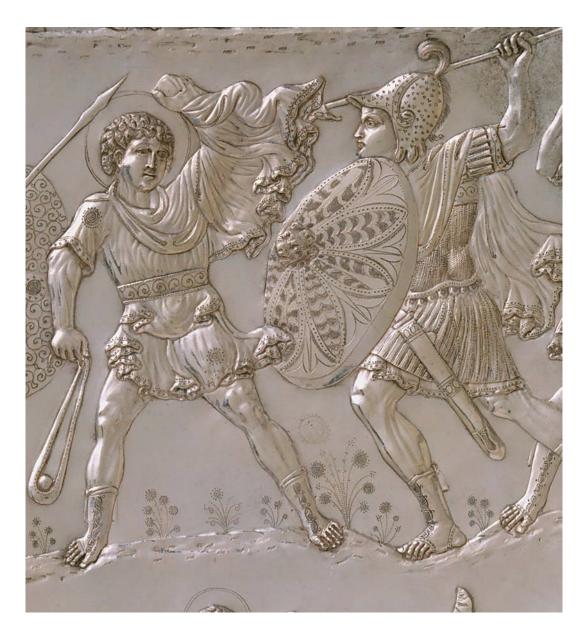
THE VIENNA GENESIS. Byzantine manuscripts were often made with very costly materials. For example, sheets of purple-dyed vellum (a fine writing surface made from calfskin) and gold and silver inks were used to produce a codex now known as the Vienna Genesis. It was probably made in Syria or Palestine, and the purple vellum indicates that it may have been created for an imperial patron (costly purple dye, made from the secretions of murex mollusks, was usually restricted to imperial use). The Vienna Genesis is written in Greek and illustrated with pictures that appear below the text at the bottom of the pages.

The story of REBECCA AT THE WELL (FIG. 7–27) (Genesis 24) appears here in a single composition, but the painter—clinging to the continuous narrative tradition that had characterized the illustration of scrolls—combines events that take place at different times in the story within a single narrative space. Rebecca, the heroine, appears at the left walking away from the walled city of Nahor with a large jug on her shoulder, going to fetch water. A colonnaded road leads toward a spring, personified by a reclining pagan water nymph who holds a flowing jar. In the foreground, Rebecca appears again. Her jug now full, she encounters a thirsty camel driver and offers him water to drink. Since he is Abraham's servant, Eliezer, in search of a bride for Abraham's son Isaac, Rebecca's generosity results in her marriage to Isaac. The lifelike poses and rounded, full-bodied figures of this narrative scene



7-27 • REBECCA AT THE WELL

Page from a codex featuring the book of Genesis (known as the Vienna Genesis). Syria or Palestine. Early 6th century. Tempera, gold, and silver paint on purple-dyed vellum,  $13^1 2 \times 9^7 6$ " (33.7  $\times$  25 cm). Österreichische Nationalbibliothek, Vienna.



**7-28 • DAVID BATTLING GOLIATH**Detail of silver plate in FIG. 7-1.

Made in Constantinople, 629–630. Metropolitan Museum of Art, New York.

conform to the conventions of traditional Roman painting. The sumptuous purple of the background and the glittering metallic letters of the text situate the book within the world of the privileged and powerful in Byzantine society.

LUXURY WORKS IN SILVER. The imperial court at Constantinople had a monopoly on the production of some luxury goods, especially those made of precious metals. It seems to have been the origin of a spectacular set of nine silver plates portraying events in the early life of the biblical King David, including the plate that we examined at the beginning of the chapter (SEE FIG. 7–1).

The plates would have been made by hammering a large silver ingot (the plate in FIG. 7–1 weighs 12 pounds 10 ounces) into a round shape and raising on it the rough semblance of the human figures and their environment. With finer chisels, silversmiths then refined these shapes, and at the end of their work, they punched ornamental motifs and incised fine details. The careful modeling,

lifelike postures, and intricate engraving characterizing the detail reproduced in FIG. 7–28 document the highly refined artistry and stunning technical virtuosity of these cosmopolitan artists at the imperial court who still practiced a classicizing art that can be traced back to the traditions of ancient Greece.

#### ICONS AND ICONOCLASM

Christians in the Byzantine world prayed to Christ, Mary, and the saints while looking at images of them on independent painted panels known as icons. Church doctrine toward the veneration of icons was ambivalent. Christianity, like Judaism and Islam, has always been uneasy with the power of religious images. But key figures of the Eastern Church, such as Basil the Great of Cappadocia (c. 329–379) and John of Damascus (c. 675–749), distinguished between idolatry—the worship of images—and the veneration of an idea or holy person depicted in a work of art. Icons were thus accepted as aids to meditation and prayer, as intermediaries between

worshipers and the holy personages they depicted. Honor showed to the image was believed to transfer directly to its spiritual prototype. Icons were often displayed in Byzantine churches on a screen separating the congregation from the sanctuary called the **iconostasis**.

Surviving early icons are rare, but a few precious examples were preserved in the Monastery of St. Catherine on Mount Sinai, among them the **URGIN AND CHILD WITH SAINTS AND ANGELS** (FIG. 7–29). As Theotokos (Greek for "bearer of God"), Jesus' earthly mother was viewed as the powerful, ever-forgiving intercessor, appealing to her divine son for mercy on behalf of repentant worshipers. She was also called the Seat of Wisdom, and

(Item not available in eText)

many images of the Virgin and Child, like this one, show her holding Jesus on her lap in a way that suggests that she represents the throne of Solomon. Virgin and Child are flanked here by Christian warrior-saints Theodore (left) and George (right)—both legendary figures said to have slain dragons, representing the triumph of the Church over the "evil serpent" of paganism. Angels behind them twist upward to look heavenward. The artist has painted the Christ Child, the Virgin, and the angels in an illusionistic Roman manner that renders them lifelike and three-dimensional in appearance. But the warrior-saints are more stylized. The artist barely hints at bodily form beneath the richly patterned textiles of their cloaks, and their tense faces are frozen

in frontal stares of gripping intensity.

In the eighth century, the veneration of icons sparked a major controversy in the Eastern Church, and in 726 Emperor Leo III launched a campaign of iconoclasm ("image breaking"), banning the use of icons in Christian worship and ordering the destruction of devotional pictures (see "Iconoclasm," page 246). Only a few early icons survived in isolated places like Mount Sinai, which was no longer a part of the Byzantine Empire at this time. But the iconoclasm did not last. In 843, Empress Theodora, widow of Theophilus, last of the iconoclastic emperors, reversed her husband's policy, and icons would play an increasingly important role as the history of Byzantine art developed.

## 7-29 • VIRGIN AND CHILD WITH SAINTS AND ANGELS

Icon. Second half of the 6th century. Encaustic on wood,  $27\times18^7$  (69  $\times$  48 cm). Monastery of St. Catherine, Mount Sinai, Egypt.

**EXPLORE MORE:** Gain insight from a primary source about painting icons www.myartslab.com



## ART AND ITS CONTEXTS

#### Iconoclasm

**Iconoclasm** (literally "image breaking," from the Greek words *eikon* for "image" and *klao* meaning "break" or "destroy") is the prohibition and destruction of works of visual art, usually because they are considered inappropriate in religious contexts.

During the eighth century, mounting discomfort with the place of icons in Christian devotion grew into a major controversy in the Byzantine world and, in 726, Emperor Leo III (r. 717–741) imposed iconoclasm, initiating the systematic destruction of images of saints and sacred stories on icons and in churches, as well as the persecution of those who made them and defended their use. His successor, Constantine V (r. 741–775), enforced these policies and practices with even greater fervor. Iconoclasm endured as imperial policy until 843, when the widowed Empress Theodora reversed her husband Theophilus' policy and reinstated the central place of images in Byzantine devotional practice.

A number of explanations have been proposed for this interlude of Byzantine iconoclasm. Some church leaders feared that the use of images in worship could lead to idolatry or at least distract worshipers from their spiritual exercises. Specifically there were questions surrounding the relationship between images and the Eucharist, the latter considered by iconoclasts as sufficient representation of the presence of Christ in the church. But there was also anxiety in Byzantium about the weakening state of the empire, especially in relation to the advances of Arab armies into Byzantine territory. It was easy to pin these hard times on God's displeasure with the idolatrous use of images. Coincidentally, Leo III's success fighting the Arabs could be interpreted as divine sanction of his iconoclastic position, and its very adoption might appease the iconoclastic Islamic enemy itself. Finally, since the production and promotion of icons was centered in monasteries-at that time rivaling the state in strength and wealth-attacking the use of images might check their growing power. Perhaps all these factors played a part, but at the triumph of the iconophiles (literally "lovers of images") in 843, the place of images in worship was again secure: Icons proclaimed Christ as God incarnate and facilitated Christian worship by acting as intermediaries between humans and saints. Those who had suppressed icons became heretics.

But iconoclasm is not restricted to Byzantine history. It reappears from time to time throughout the history of art. Protestant reformers in sixteenth-century Europe adopted what they saw as the iconoclastic position of the Hebrew Bible (Exodus 20:4), and many works of Catholic art were destroyed by zealous reformers and their followers.

Even more recently, in 2001, the Taliban rulers of Afghanistan dynamited two gigantic fifth-century ce statues of the Buddha carved into the rock cliffs of the Bamiyan Valley, specifically because they believed such "idols" violated Islamic law.



#### **CRUCIFIXION AND ICONOCLASTS**

From the Chludov Psalter. Mid 9th century. Tempera on vellum,  $7^34 \times 6''$  (19.5  $\times$  15 cm). State Historical Museum, Moscow. MS D.29, fol. 67v

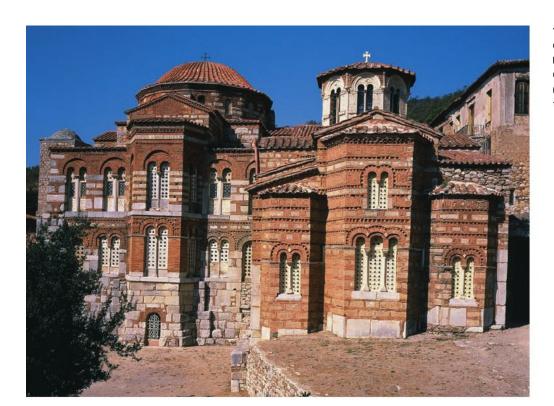
This page and its illustration of Psalm 21 —made soon after the end of the iconoclastic controversy in 843—records the iconophiles' harsh judgment of the iconoclasts. Painted in the margin at the right, a scene of the Crucifixion shows a soldier tormenting Christ with a vinegar-soaked sponge. In a striking visual parallel, two named iconoclasts—identified by inscription—in the adjacent picture along the bottom margin employ a whitewash-soaked sponge to obliterate an icon portrait of Christ, thus linking their actions with those who had crucified him.

#### MIDDLE BYZANTINE ART

After the defeat of the iconoclasts, Byzantine art flourished once again, beginning in 867 under the leadership of an imperial dynasty from Macedonia. This support for the arts continued until Christian crusaders from the west, setting out on a holy war against Islam,

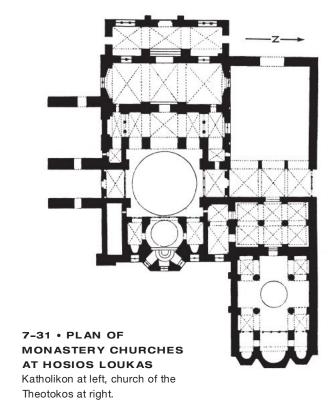
diverted their efforts to conquering the wealthy Christian Byzantine Empire. The western crusaders who took Constantinople in 1204 looted the capital and set up a Latin dynasty of rulers to replace the Byzantine emperors.

Early Byzantine civilization had been centered in lands along



7-30 • MONASTERY CHURCHES AT HOSIOS LOUKAS

Greece. View from the east: Katholikon (left), early 11th century, and church of the Theotokos, late 10th century.



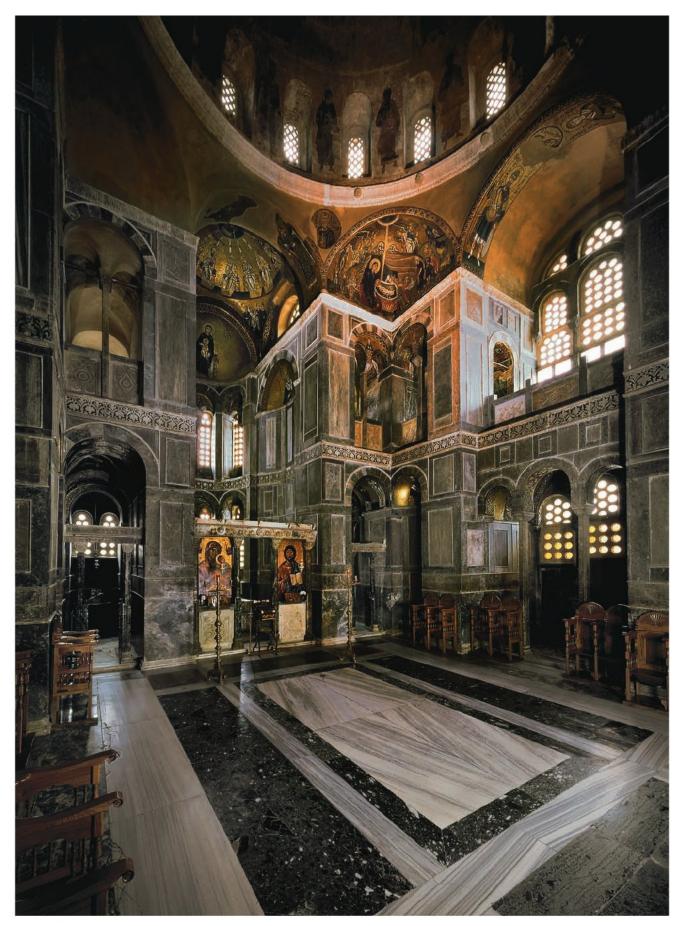
the rim of the Mediterranean Sea that had been within the Roman Empire. During the Middle Byzantine period, Constantinople's scope was reduced to present-day Turkey and other areas by the Black Sea, as well as the Balkan peninsula, including Greece, and southern Italy. The influence of Byzantine culture also extended into Russia and Ukraine, and to Venice, Constantinople's trading partner in northeastern Italy, at the head of the Adriatic Sea.

Under the Macedonian dynasty (867–1056) initiated by Basil I, the empire prospered and enjoyed a cultural rebirth. Middle Byzantine art and architecture, visually powerful and stylistically coherent, reflect the strongly spiritual focus of the period's autocratic, wealthy leadership. From the mid eleventh century, however, other powers entered Byzantine territory. The empire stabilized temporarily under the Comnenian dynasty (1081–1185), extending the Middle Byzantine period well into the time of the western Middle Ages.

#### ARCHITECTURE AND MOSAICS

Comparatively few Middle Byzantine churches in Constantinople have survived intact, but many central-plan domed churches, favored by Byzantine architects, survive in Greece to the southwest and Ukraine to the northeast, and are reflected in Venice within the Western medieval world. These structures reveal the Byzantine taste for a multiplicity of geometric forms, verticality, and rich decorative effects both inside and out.

HOSIOS LOUKAS. Although an outpost, Greece still lay within the Byzantine Empire, and the eleventh-century Katholikon of the Monastery of Hosios Loukas, built a few miles from the village of Stiris, Greece, is an excellent example of Middle Byzantine architecture. It stands next to the earlier church of the Theotokos (FIGS. 7–30, 7–31, 7–32). The church has a compact central plan with a dome, supported on squinches, rising over an octagonal core (see "Pendentives and Squinches," page 236). On the exterior, the rising forms of apses, walls, and roofs disguise the vaulting roofs of the interior. The Greek builders created a decorative effect



**7-32 • CENTRAL DOMED SPACE AND APSE (THE NAOS), KATHOLIKON** Monastery of Hosios Loukas. Near Stiris, Greece. Early 11th century and later.

on the exterior, alternating stones with bricks set both vertically and horizontally and using diagonally set bricks to form saw-toothed moldings. Inside the churches, the high central space carries the eyes of worshipers upward into the main dome, which soars above a ring of tall arched openings.

Unlike Hagia Sophia, with its clear, sweeping geometric forms, the Katholikon has a complex variety of forms, including domes, groin vaults, barrel vaults, pendentives, and squinches, all built on a relatively small scale. The barrel vaults and tall sanctuary apse with flanking rooms further complicate the space. Single, double, and triple windows create intricate and unusual patterns of light that illuminated a mosaic of Christ Pantokrator (now lost) in the center of the main dome. The secondary, sanctuary dome is decorated with a mosaic of the Lamb of God surrounded by the

Twelve Apostles at Pentecost, and the apse semi-dome has a mosaic of the Virgin and Child Enthroned. Biblical scenes (the Nativity appears on the squinch visible in FIG. 7–32) and figures of saints fill the interior with brilliant color and dramatic images. As at Hagia Sophia, the lower walls are faced with a multicolored stone veneer. An iconostasis separates the congregation from the sanctuary.

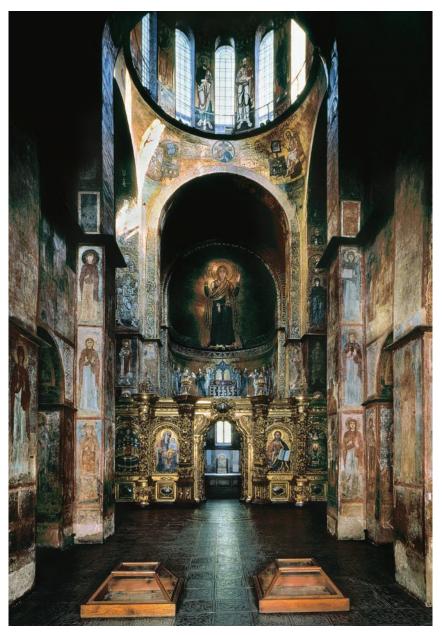
SANTA SOPHIA IN KIEV. During the ninth century, the rulers of Kievan Rus—Ukraine, Belarus, and Russia—adopted Orthodox Christianity and Byzantine culture. These lands had been settled by eastern Slavs in the fifth and sixth centuries, but later were ruled by Scandinavian Vikings who had sailed down the rivers from the Baltic to the Black Sea. In Constantinople, the Byzantine emperor hired the Vikings as his personal bodyguards, and Viking traders established a headquarters in the upper Volga region and in the city of Kiev, which became the capital of the area under their control.

The first Christian member of the Kievan ruling family was Princess Olga (c. 890–969), who was baptized in Constantinople by the patriarch himself, with the Byzantine emperor as her godfather. Her grandson Grand Prince Vladimir (r. 980–1015) established Orthodox Christianity as the state religion in 988. Vladimir sealed the pact with the Byzantines by accepting baptism and marrying Anna, the sister of the powerful Emperor Basil II (r. 976–1025).

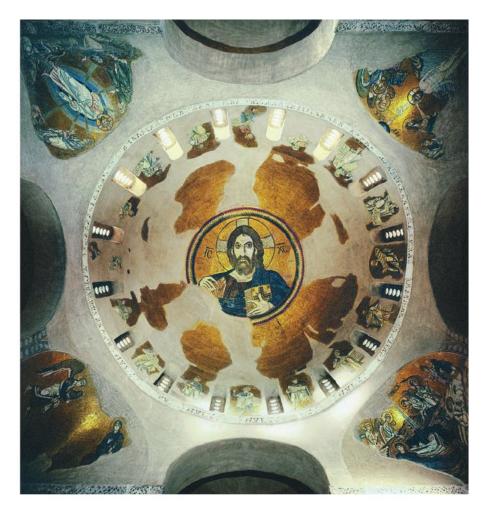
Vladimir's son Grand Prince Yaroslav (r. 1036–1054) founded the **CATHEDRAL OF SANTA SOPHIA** in Kiev (FIG. 7–33). The church originally had a typical Byzantine multiple-domed cross design, but the building was expanded with double side aisles, leading to five apses. It culminated in a large central dome surrounded by 12 smaller domes. The small

domes were said to stand for the 12 apostles gathered around the central dome, representing Christ Pantokrator, ruler of the universe. The central domed space of the crossing focuses attention on the nave and the main apse. Nonetheless, the many individual bays create a complicated and compartmentalized interior. The walls glow with lavish decoration: Mosaics glitter from the central dome, the apse, and the arches of the crossing. The remaining surfaces are frescoed with scenes from the lives of Christ, the Virgin, the apostles Peter and Paul, and the archangels.

The Kievan mosaics established a standard system of iconography used in Russian Orthodox churches. The Pantokrator fills the curving surface at the crest of the main dome (not visible above the window-pierced drum in FIG. 7–33). At a lower level, the apostles stand between the windows of the drum, with the four



**7-33 • INTERIOR, CATHEDRAL OF SANTA SOPHIA**Kiev. 1037–1046. Apse mosaics: Orant Virgin and Communion of the Apostles.



# 7-34 • CHRIST PANTOKRATOR AT CREST OF CENTRAL DOME, WITH SCENES FROM THE LIFE OF CHRIST IN THE PENDENTIVES

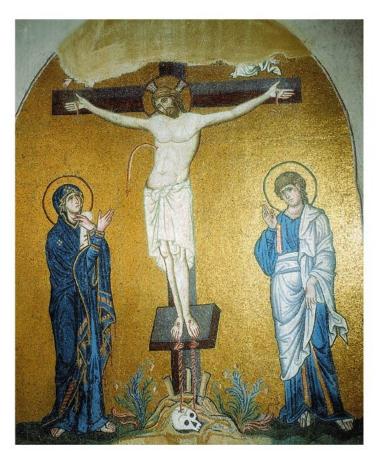
Church of the Dormition, Daphni, Greece. Late 11th century. Mosaic.

evangelists occupying the pendentives. An orant figure of the Virgin Mary seems to float in a golden heaven on the semidome and upper wall of the apse. In the mosaic on the wall below the Virgin is the Communion of the Apostles. Christ appears not once, but twice, in this scene, offering the Eucharistic bread and wine to the apostles, six on each side of the altar. With such extravagant use of costly mosaic, Prince Yaroslav made a powerful political declaration of his own power and wealth—and that of the Kievan Church as well.

# CHURCH OF THE DORMITION AT DAPHNI. The refined mosaicists who worked at the church of the Dormition at Daphni, near Athens, conceived their compositions in relation to an intellectual ideal. They eliminated all "unnecessary" detail to focus on the essential elements of a narrative scene, conveying its mood and message in a moving but elegant

style. The main dome of this church has maintained its riveting image of the Pantokrator, centered at the crest of the dome like a seal of divine sanction and surveillance (FIG. 7–34). This imposing figure manages to be elegant and awesome at the same time. Christ blesses or addresses the assembled congregation with one hand, while the slender, attenuated fingers of the other spread to clutch a massive book securely. In the squinches of the corner piers are four signal episodes from his life: Annunciation, Nativity, Baptism, and Transfiguration.

A mosaic of the **CRUCIFIXION** from the lower part of the church (FIG. 7–35) exemplifies the focus on emotional appeal to individuals that characterizes late eleventh-century Byzantine art. The figures inhabit an otherworldly space, a golden universe anchored to the material world by a few flowers, which suggest the promise of new life. A nearly nude Jesus is shown with bowed head and gently sagging body, his eyes closed in death. The witnesses have been reduced to two isolated mourning figures, Mary and the young apostle John, to whom Jesus had just entrusted the care of his mother. The elegant cut of the contours and the eloquent restraint of the gestures only intensify the emotional power of the



7-35 • CRUCIFIXION

Church of the Dormition, Daphni, Greece. East wall of the north arm. Late 11th century. Mosaic.

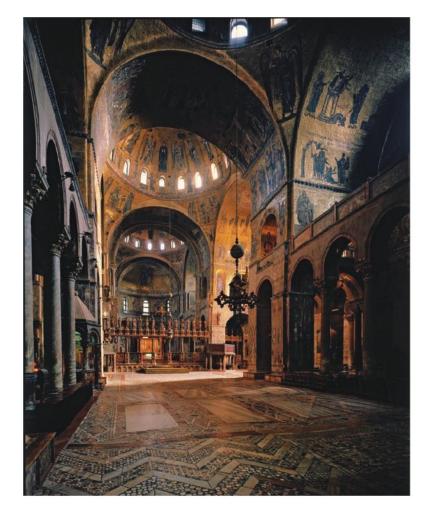
image. The nobility and suffering of these figures was meant to move worshipers toward a deeper involvement with their own meditation and worship.

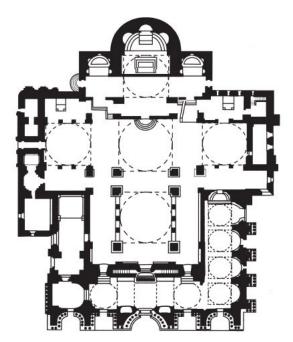
This depiction of the Crucifixion has symbolic as well as emotional power. The mound of rocks and the skull at the bottom of the cross represent Golgotha, the "place of the skull," the hill outside ancient Jerusalem where Adam was thought to be buried and where the Crucifixion was said to have taken place. The faithful saw Jesus Christ as the new Adam, whose sacrifice on the cross saved humanity from the sins brought into the world by Adam and Eve. The arc of blood and water springing from Jesus' side refers to Eucharistic and baptismal rites. As Paul wrote in his First Letter to the Corinthians: "For just as in Adam all die, so too in Christ shall all be brought to life" (1 Corinthians 15:22). The timelessness and simplicity of this image were meant to aid the Christian worshiper seeking to achieve a mystical union with the divine through prayer and meditation, both intellectually and emotionally.

THE CATHEDRAL OF ST. MARK IN VENICE. The northeastern Italian city of Venice, set on the Adriatic at the crossroads of Europe and Asia Minor, was a major center of Byzantine art in Italy Venice had been subject to Byzantine rule in the sixth and seventh centuries, and up to the tenth century, the city's ruler, the doge

("duke" in Venetian dialect), had to be ratified by the Byzantine emperor. At the end of the tenth century, Constantinople granted Venice a special trade status that allowed its merchants to control much of the commerce between east and west, and the city grew enormously wealthy.

Venetian architects looked to Byzantine domed churches for inspiration in 1063, when the doge commissioned a church to replace the palace chapel that had housed the relics of St. Mark the Apostle since they were brought to Venice from Alexandria in 828/29 (FIG. 7-36). The Cathedral of St. Mark has a Greek-cross plan, each square unit of which is covered by a dome, that is, five great domes in all, separated by barrel vaults and supported by pendentives. Unlike Hagia Sophia in Constantinople, where the space seems to flow from the narthex up into the dome and through the nave to the apse, St. Mark's domed compartments produce a complex space in which each dome maintains its own separate vertical axis. As we have seen elsewhere, marble veneer covers the lower walls, and golden mosaics glimmer above on the vaults, pendentives, and domes. The dome visible in FIG. 7-36 depicts Pentecost, the descent of the Holy Spirit on the apostles. A view of the exterior of St. Mark's as it would have appeared in early modern times can be seen in a painting by the fifteenthcentury Venetian artist Gentile Bellini (SEE FIG. 19-36).





7-36 • INTERIOR AND PLAN OF THE CATHEDRAL OF ST. MARK

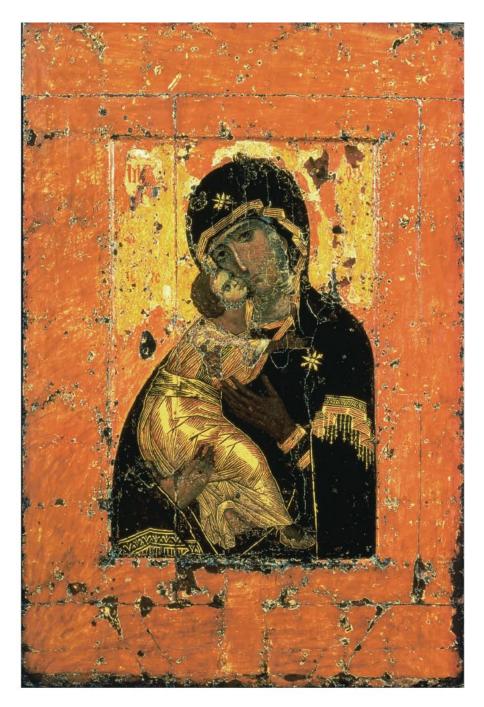
Venice. Begun 1063. View looking toward apse.

This church is the third one built on the site. It was both the palace chapel of the doge and the burial place for the bones of the patron of Venice, St. Mark. The church was consecrated as a cathedral in 1807. Mosaics have been reworked continually to the present day.

# **OBJECTS OF VENERATION AND DEVOTION**

As in the Early Byzantine period, artists of great talent and high aesthetic sensibility produced small luxury items for members of the court as well as for the Church. Many of these items were commissioned by rulers and secular and Church functionaries as official gifts for one another. They had to be portable, sturdy, and exquisitely refined. These works often combined exceptional beauty and technical virtuosity with religious meaning. Icons, ivory carving, gold and enamel work, and fine books were especially prized.

THE VIRGIN OF VLADIMIR. The revered icon of Mary and Jesus known as the **VIRGIN OF VLADIMIR** (FIG. 7–37) was probably created



in Constantinople but brought to Kiev. This distinctively humanized image suggests the growing desire for a more immediate and personal religion that we have already seen in the Crucifixion mosaic at Daphni, dating from about the same period. This exquisite icon employs an established iconographic type, known as the "Virgin of Compassion," showing Mary and the Christ Child pressing their cheeks together and gazing at each other with tender affection. It was widely believed that St. Luke had been the first to paint such a portrait of the Virgin and Child as they appeared to him in a vision.

Almost from its creation, the *Virgin o JVladimir* was thought to protect the people of the city where it resided. It arrived in Kiev sometime between 1131 and 1136 and was taken to the city of Suzdal and then to Vladimir in 1155. In 1480, it was moved to the

Cathedral of the Dormition in the Moscow Kremlin. Today, even in a museum, it inspires prayer.

THE HARBAULLE TRIPTYCH. Dating from the mid eleventh century, the small devotional ivory known as the HARBAVILLE TRIPTYCH features a tableau of Christ flanked by Mary and St. John the Baptist, a group known as the "Deësis" (FIG. 7-38). Deësis means "entreaty" in Greek, and here Mary and John intercede, presumably for the owner of this work, pleading with Christ for forgiveness and salvation. The emergence of the Deësis as an important theme is in keeping with an increasing personalization in Byzantine religious art. St. Peter stands directly under Christ, gesturing upward toward him. Inscriptions identify SS. James, John, Paul, and Andrew. The figures in the outer panels are military saints and martyrs. All these figures stand in a neutral space given definition only by the small bases under their feet, effectively removing them from the physical world. They are, however, fully realized human forms with rounded shoulders, thighs, and knees that suggest physical substance beneath their linear, decorative drapery.

THE PARIS PSALTER. The painters of luxuriously illustrated manuscripts matched the combination of intense religious expression, aristocratic elegance, and a heightened appreciation of rich decoration that we have experienced in monumental architectural painting.

# 7-37 • VIRGIN OF VLADIMIR

Icon, probably from Constantinople. Faces, 11th–12th century; the figures have been retouched. Tempera on panel, height approx. 31" (78 cm). Tretyakov Gallery, Moscow.



7-38 • HARBAVILLE TRIPTYCH

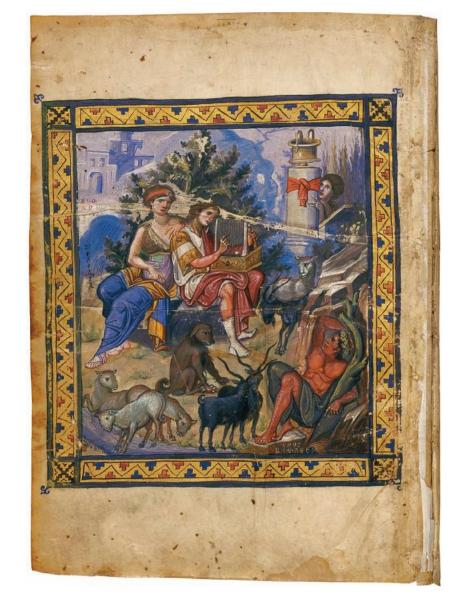
Mid 11th century. Ivory, closed 11  $\times$  9 $^{1}2''$  (28  $\times$  24.1 cm); open 11  $\times$  19'' (28  $\times$  48.2 cm). Musée du Louvre, Paris.

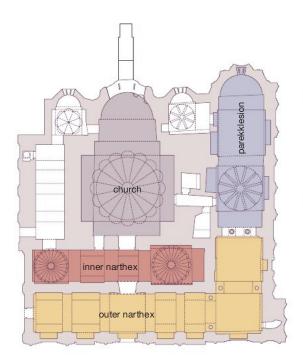
The luxurious Paris Psalter (named after its current library location), with 14 full-page paintings, was created for a Byzantine aristocrat during the second half of the tenth century. According to ancient tradition, the author of the Psalms was Israel's King David, who as a young shepherd and musician had saved the people of God by killing the giant Goliath (SEE FIG. 7–1). In Christian times, the Psalms were often extracted from the Bible and copied into a separate book called a **psalter**, used by wealthy Christians for private prayer and meditation.

The painters who worked on the Paris Psalter framed their scenes on full pages without text. The first of these depicts a seated David playing his harp (FIG. 7–39). The monumental, idealized figures occupy a spacious landscape filled with lush foliage, a meandering stream, and a distant city. The image seems to have been transported directly from an ancient Roman wall painting. The ribbon-tied memorial column is a convention in Greek and Roman funerary art and, in the ancient manner, the illustrator has personified abstract ideas and landscape features: Melody, a female figure, leans casually on David's shoulder, while another woman, perhaps the nymph Echo, peeks out from behind the column. The swarthy reclining youth in

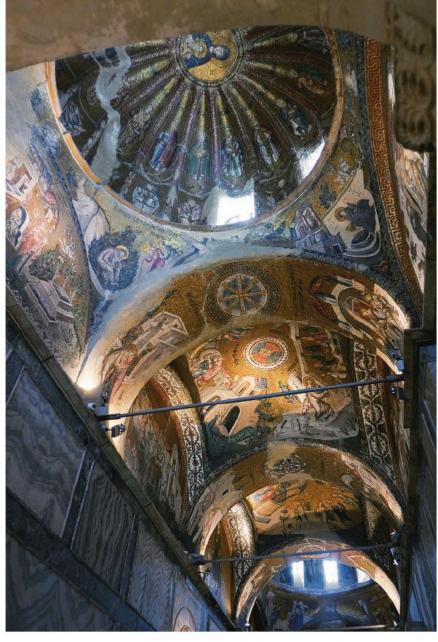
### 7-39 • DAVID THE PSALMIST

Page from the Paris Psalter. Second half of 10th century. Paint and gold on vellum, sheet size 14  $\times$  10 $^{1}$ <sub>2</sub>" (35.6  $\times$  26 cm). Bibliothèque Nationale, Paris.





**7-40 • PLAN OF THE MONASTERY CHURCH OF CHRIST IN CHORA**Constantinople. (Present-day Kariye Müzesi, Istanbul, Turkey.) 1077–1081, c. 1310–1321.



7-41 • MOSAICS IN THE VAULTING OF THE INNER NARTHEX

Church of Christ in Chora, Constantinople. (Present-day Kariye Müzesi, Istanbul, Turkey.) c. 1315–1321.

the lower foreground is a personification of Mount Bethlehem, as we learn from his inscription. The image of the dog watching over the sheep and goats while his master strums the harp suggests the Classical subject of Orpheus charming wild animals with music. The subtle modeling of forms, the integration of the figures into a three-dimensional space, and the use of atmospheric perspective all enhance the Classical flavor of the painting, in yet another example of the enduring vitality of pagan artistic traditions at the Christian court in Constantinople.

# LATE BYZANTINE ART

The third great age of Byzantine art began in 1261, after the Byzantines expelled the Christian crusaders who had occupied Constantinople for nearly 60 years. Although the empire had been

weakened and its realm decreased to small areas of the Balkans and Greece, its arts underwent a resurgence known as the Palaeologue Renaissance after the dynasty of emperors who ruled from Constantinople. The patronage of emperors, wealthy courtiers, and the Church stimulated renewed church building as well as the production of icons, books, and precious objects.

# CONSTANTINOPLE: THE CHORA CHURCH

In Constantinople, many existing churches were renovated, redecorated, and expanded during the Palaeologue Renaissance. Among these is the church of the Monastery of Christ in Chora. The expansion of this church was one of several projects that Theodore Metochites (1270–1332), a humanist poet and scientist, and the administrator of the Imperial Treasury at Constantinople, sponsored between c. 1315 and 1321. He added a two-story annex



7-42 • THE INFANT VIRGIN MARY CARESSED BY HER PARENTS (JOACHIM AND ANNA)

Inner narthex, church of Christ in Chora, Constantinople. (Present-day Kariye Müzesi, Istanbul, Turkey.) c. 1315–1321. Mosaic.

The Greek inscription placed over the family group identifies this scene as the fondling of the Theotokos (bearer of God).

on the north side, two narthexes on the west, and a parekklesion (side chapel) used as a funerary chapel on the south (FIG. 7–40). These structures contain the most impressive interior decorations remaining in Constantinople from the Late Byzantine period, rivaling in splendor and technical sophistication the works of the age of Justinian, but on a more intimate scale. The walls and vaults of the parekklesion are covered with frescos (see "The Funerary Chapel of Theodore Metochites," pages 256–257), and the vaults of the narthexes are encrusted with mosaics.

In the new narthexes of the Chora church, above an expanse of traditional marble revetment on the lower walls, mosaics cover every surface—the domical groin vaults, the wall lunettes, even the undersides of arches—with narrative scenes and their ornamental framework (FIG. 7–41). The small-scale figures of these mosaics seem to dance with relentless enthusiasm through the narrative episodes they enact from the lives of Christ and his mother. Unlike the stripped-down narrative scenes of Daphni (SEE FIG. 7–35), here the artists have lavished special attention on the settings, composing their stories against backdrops of architectural fantasies and stylized plants. The architecture of the background is presented in an innovative system of perspective, charting its three-dimensionality not in relation to a point of convergence in the background—as will be the case in the linear, one-point perspective of fifteenth-century Florentine art (see "Renaissance").

Perspective," page 608)—but projecting forward in relationship to a point in the foreground, thereby drawing attention to the figural scenes themselves.

The Chora mosaics build on the growing Byzantine interest in the expression of emotions within religious narrative, but they broach a level of human tenderness that surpasses anything we have seen in Byzantine art thus far. The artists invite viewers to see the participants in these venerable sacred stories as human beings just like themselves, only wealthier and holier. For example, an entire narrative field in one vault is devoted to a scene where the infant Mary is cuddled between her adoring parents, Joachim and Anna (FIG. 7-42; part of the scene is visible lit up in FIG. 7-41). Servants on either side of the family look on with gestures and expressions of admiration and approval, perhaps modeling the response that is expected from viewers within the narthex itself. The human interaction even extends to details, such as the nuzzling of Mary's head into the beard of her father as she leans back to look into his eyes, and her tentative reach toward her mother's face at the same time. In another scene, the young Jesus rides on the shoulders of Joseph, in a pose still familiar to fathers and children in our own time. The informality and believability that these anecdotal details bring to this sacred narrative recalls developments as far away as Italy, where at this same time Giotto and Duccio were using similar devices to bring their stories to life (see Chapter 17).



# THE OBJECT SPEAKS

# The Funerary Chapel of Theodore Metochites

Theodore Metochites (1270-1332) was one of the most fascinating personalities of the Late Byzantine world. Son of a disgraced intellectual cleric - condemned and exiled for championing the union of the Roman and Byzantine Churches - Metochites became a powerful intellectual figure in Constantinople. As a poet, philosopher, and astronomer who wrote scores of convoluted commentaries in an intentionally cultivated, arcane, and mannered literary style, he ridiculed a rival for his prose style of "excess clarity." In 1290, Emperor Andronicus II Palaeologus (r. 1282-1328) called Metochites to court service, where the prolific young scholar became an influential senior statesman, ascending to the highest levels of the government and amassing power and wealth second only to that of the emperor himself. Metochites' political and financial status fell when the emperor was overthrown by his grandson in 1328. Stripped of his wealth and sent into exile, he was allowed to return to the capital two years later, retiring to house arrest at the Chora monastery, where he died and was buried in 1332.

It is his association with this monastery that has become Theodore Metochites' greatest claim to enduring fame. Beginning in about 1315, at the peak of his power and wealth, he funded an expansion and restoration of the church of Christ in Chora

(meaning "in the country"), part of an influential monastery on the outskirts of Constantinople. The mosaic decoration he commissioned for the church's expansive narthexes (SEE FIGS. 7–41, 7–42) may be the most sumptuous product of his beneficence, but the project probably revolved around a funerary chapel (or parekklesion) that he built adjacent to the main church (FIG. B), potentially motivated by a desire to create a location for his own funeral and tomb.

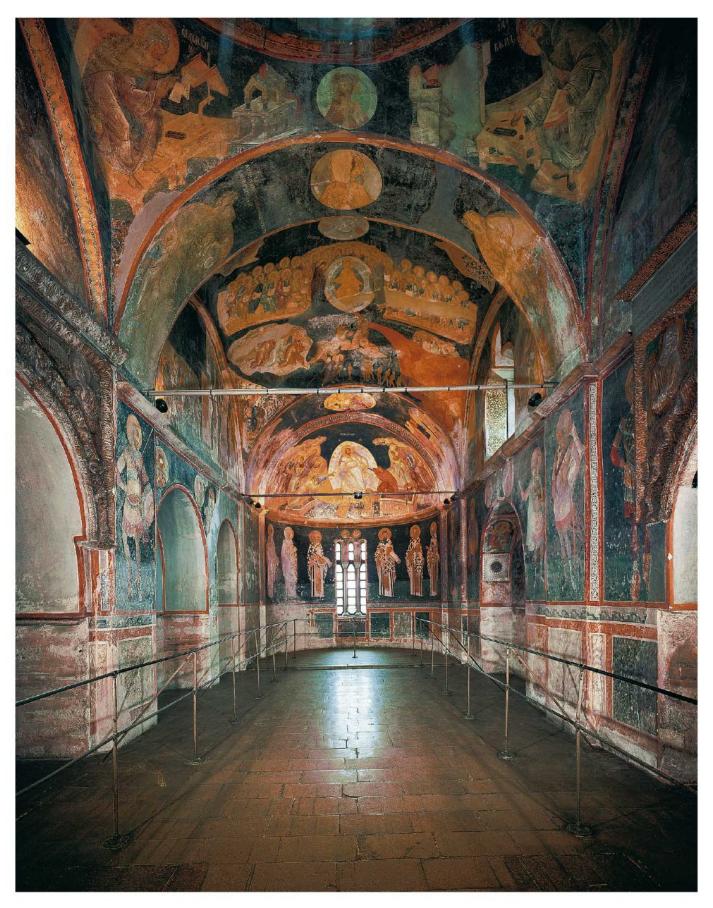
The extensive and highly integrative program of frescos covering every square inch of the walls and vaults of this jewel-box space focuses on funerary themes and expectations of salvation and its rewards. Above a dado of imitation marble stand a frieze of 34 stately saints ready to fulfill their roles as intercessors for the faithful. Above them, on the side walls of the main space, are stories from the Hebrew Bible interpreted as prefigurations of the Virgin Mary's own intercessory powers. A portrayal of Jacob's ladder (Genesis 28:11-19), for example, evokes her position between heaven and earth as a bridge from death to life. In the pendentives of the dome over the main space (two of which are seen in the foreground) sit famous Byzantine hymn writers, with quotations from their work. These carefully chosen passages highlight texts associated with funerals, including one

that references the story of Jacob's ladder.

The climax of the decorative program, however, is the powerful rendering of the Anastasis that occupies the halfdome of the apse (FIG. A). In this popular Byzantine representation of the Resurrection-drawn not from the Bible but from the apocryphal Gospel of Nicodemus - Jesus demonstrates his powers of salvation by descending into hell after his death on the cross to save his righteous Hebrew forebears from Satan's grasp. Here a boldly striding Christbrilliantly outfitted in a pure white that makes him shine to prominence within the fresco program - lunges to rescue Adam and Eve from their tombs, pulling them upward with such force that they seem to float airborne under the spell of his power. Satan lies tied into a useless bundle at his feet, and patriarchs, kings, and prophets to either side look on in admiration, perhaps waiting for their own turn to be rescued. During a funeral in this chapel, the head of the deceased would have been directed toward this engrossing tableau, closed eyes facing upward toward a painting of the Last Judgment, strategically positioned on the vault over the bier. In 1332, this was the location of Metochites' own dead body since this parekklesion was indeed the site of his funeral. He was buried in one of the niche tombs cut into the walls of the chapel itself.



A. ANASTASIS
Apse of the funerary chapel, church of the Monastery of Christ in Chora.
Fresco. Getty
Research Library,
Los Angeles. Wim
Swaan Photograph
Collection, 96.P.21



B. FUNERARY CHAPEL (PAREKKLESION), CHURCH OF THE MONASTERY OF CHRIST IN CHORA

Constantinople. (Present-day Kariye Müzesi, Istanbul, Turkey.) c. 1310–1321.



**7-43** • Andrey Rublyov THE OLD TESTAMENT TRINITY (THREE ANGELS VISITING ABRAHAM) Icon. c. 1410–1425. Tempera on panel,  $55\frac{1}{2} \times 44\frac{1}{2}$ " (141  $\times$  113 cm).

# MOSCOW: RUBLYOV

In the fifteenth and sixteenth centuries, architecture of the Late Byzantine style flourished outside the borders of the empire in regions that had adopted Eastern Orthodox Christianity After Constantinople's fall to the Ottoman Turks in 1453, leadership of the Orthodox Church shifted to Russia, whose rulers declared Moscow to be the "Third Rome" and themselves the heirs of Caesar (the tsar).

The practice of venerating icons continued—perhaps even intensified—in Russia, where regional schools of icon painting flourished, fostering the work of remarkable artists. A magnificent icon from this time is THE OLD TESTAMENT TRINITY (THREE ANGELS VISITING ABRAHAM), a large panel created sometime between about 1410 and 1425 by the renowned artist-monk Andrey Rublyov (FIG. 7-43). It was commissioned in honor of Abbot Sergius of the Trinity-Sergius Monastery, near Moscow. The theme is the Trinity, always a challenge for artists. One late medieval solution was to show three identical divine individuals here three angels—to suggest the idea of the Trinity. Rublyov's composition was inspired by a story in the Hebrew Bible of the patriarch Abraham and his wife Sarah, who entertained three strangers who were in fact God represented by three divine beings in human form (Genesis 18). Tiny images of Abraham and Sarah's home and the oak of Mamre can be seen above the angels. On the table, the food the couple offered to the strangers becomes a chalice on an altarlike table.

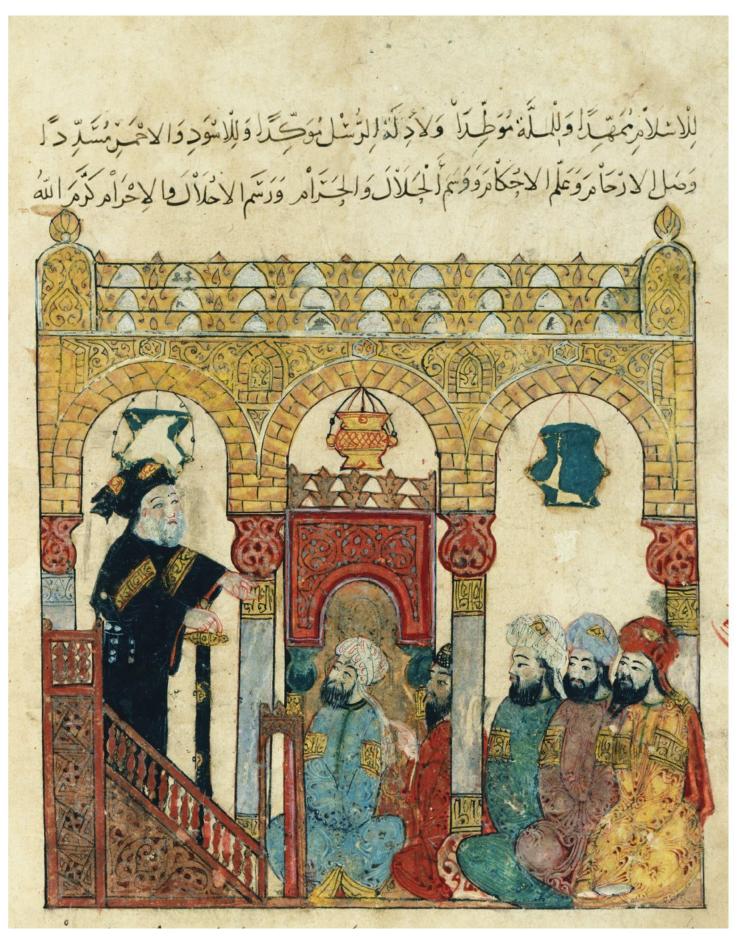
Rublyov's icon clearly illustrates how Late Byzantine artists relied on mathematical conventions to create ideal figures, as did the ancient Greeks, giving their works remarkable consistency. But unlike the Greeks, who based their formulas on close observation of nature, Byzantine artists invented an ideal geometry to evoke a spiritual realm and conformed their representations of human forms and features to it. Here, as is often the case, the circle-most apparent in the haloes—forms the basic underlying structure for the composition. Despite the formulaic approach, talented artists like Rublyov created a personal, expressive style working within it. Rublyov relied on typical Byzantine conventions—salient contours, elongation of the body, and a focus on a limited number of figures—to capture the sense of the spiritual in his work, yet he distinguished his art by imbuing it with a sweet, poetic ambience. In this master's hands, the Byzantine style took on a graceful and eloquent new life.

The Byzantine tradition would continue in the art of the Eastern Orthodox Church and is carried on to this day in Greek and Russian icon painting. In Constantinople, however, the three golden ages of Byzantine art—and the empire itself—came to an end in 1453. When the forces of the Ottoman sultan Mehmed II overran the capital, the Eastern Empire became part of the Islamic world. But the Turkish conquerors were so impressed with the splendor of the Byzantine art and architecture in the capital that they adopted its traditions and melded them with their own rich aesthetic heritage into a new, and now Islamic, artistic efflorescence.

# THINK ABOUT IT

- 7.1 Discuss the Roman foundations of Early Christian sculpture, focusing your answer on the Sarcophagus of Junius Bassus (Fig. 7–13). Look back to Chapter 6 to help form your ideas.
- 7.2 Distinguish the "iconic" from the "narrative" in Early Christian and Byzantine art, locating one example of each in this chapter. How are these two traditions used by the Church and its members?
- 7.3 Distinguish the identifying features of basilicas and central-plan churches, and discuss how the forms of these early churches were geared toward specific types of Christian worship and devotional practice.
- **7.4** How were images used in Byzantine worship? Why were images suppressed during Iconoclasm?
- 7.5 Compare and contrast the mosaics of San Vitale in Ravenna with those in the Chora church in Constantinople. Consider, in particular, how figures are represented, what kinds of stories are told, and in what way.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**8-1 • Yahya Ibn al-Wasiti THE MAQAMAT OF AL-HARIRI** From Baghdad, Iraq. 1237. Paper. Bibliothèque Nationale, Paris. (Arabic MS. 5847, f. 18v)

# ISLAMIC ART

The Magamat ("Assemblies"), by al-Hariri (1054-1122), belongs to a popular literary genre of cautionary tales dating from the tenth century. The manuscript's vividly detailed scenes provide windows into ordinary Muslim life, here prayer in the congregational mosque, a religious and social institution central to Islam. Al-Hariri's stories revolve around a silvertongued scoundrel named Abu Zayd, whose cunning inevitably triumphs over other people's naivety. His adventures take place in a world of colorful settings-desert camps, ships, pilgrim caravans, apothecary shops, mosques, gardens, libraries, cemeteries, and courts of law. Humans activate the scenes, pointing fingers, arguing, riding horses, stirring pots, and strumming musical instruments. These comic stories of trickery and theft would seem perfectly suited for illustration, but of the hundreds of surviving manuscript copies, only 13 have pictures.

This illustration (Fig. 8-1) shows a mosque with the congregation gathered to hear a sermon preached by the deceitful Abu Zayd, who plans to steal the alms collected from the congregation. The men sit directly on the ground, as is customary in mosques (and traditional dwellings). They look generally forward, but the listener in the front row tilts his chin upward to focus his gaze directly upon the speaker. He is

framed and centered by the arch of the niche (mihrab) on the rear wall, his white turban contrasting noticeably with the darker background. To the extent that he represents any specific individual, he seems to stand in for the manuscript's reader who, perusing the illustrations of these captivating stories, pauses and perhaps projects himself or herself into the scene.

The columns of the arcades have ornamental capitals from which spring half-round arches. Glass mosque lamps filled with oil hang from the center of each arch. All the figures wear turbans and flowing, loose-sleeved robes with epigraphic borders (*tiraz*) embroidered in gold.

The sermon is delivered from a pulpit (minbar) of steps with an arched opening at the lowest level. This minbar and the arcades that form the backdrop to the scene and define the mosque's interior are unnaturally reduced in scale. The painter has manipulated the sizes so as to fit the maximum amount of detail into the scene, sacrificing natural space in order to make the painting more communicative. Likewise, although in an actual mosque the minbar would share the same wall as the niche in the center, here they have been separated to keep the niche from being hidden by the minbar. There is little modeling to represent volume: Instead depth of field is suggested by the overlapping of forms.

# LEARN ABOUT IT

- **8.1** Discover Islamic art's eclecticism and embrace of other cultures.
- **8.2** Compare and contrast the variety of art and architecture in the disparate areas of the Islamic world.
- **8.3** Interpret art as a reflection of both religion and secular society.
- **8.4** Explore the use of ornament and inscription in Islamic art.
- **8.5** Recognize the role of trade routes and political ties in the creation of Islamic artistic unity.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

# ISLAM AND EARLY ISLAMIC SOCIETY

Islam arose in seventh-century Arabia, a land of desert oases with no cities of great size, sparsely inhabited by tribal nomads. Yet, under the leadership of its founder, the Prophet Muhammad (c. 570–632 CE), and his successors, Islam spread rapidly throughout northern Africa, southern and eastern Europe, and much of Asia, gaining territory and converts with astonishing speed. Because Islam encompassed geographical areas with a variety of long-established cultural traditions, and because it admitted diverse peoples among its converts, it absorbed and combined many different techniques and ideas about art and architecture. The result was a remarkable eclecticism and artistic sophistication.

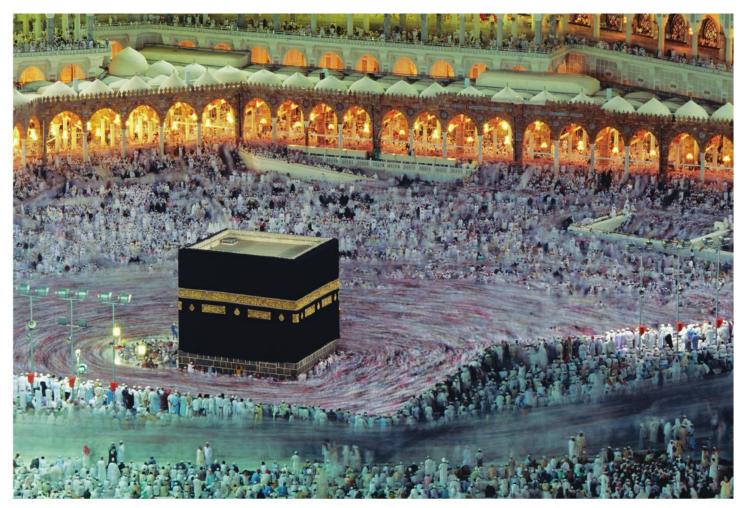
In the desert outside of Mecca in 610, Muhammad received revelations that led him to found the religion called Islam ("submission to God's will"), whose adherents are Muslims ("those who have submitted to God"). Many powerful Meccans were hostile to the message of the young visionary, and in 622 he and his companions were forced to flee to Medina. There Muhammad built a house that became a gathering place for the converted and

thus the first Islamic mosque. Muslims date their history as beginning with this *hi jra* ("emigration").

In 630, Muhammad returned to Mecca with an army of 10,000, routed his enemies, and established the city as the spiritual capital of Islam. After his triumph, he went to the Kaaba (FIG. 8–2), a cubical, textile-draped shrine said to have been built for God by Ibrahim (Abraham) and Isma'il (Ishmael) and long the focus of pilgrimage and polytheistic worship. He emptied the shrine, repudiating its accumulated pagan idols, while preserving the enigmatic cubical structure itself and dedicating it to God.

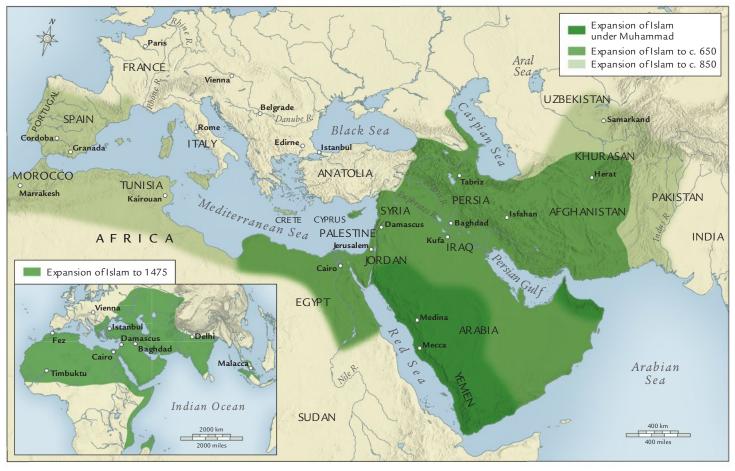
The Kaaba is the symbolic center of the Islamic world, the place to which all Muslim prayer is directed and the ultimate destination of Islam's obligatory pilgrimage, the *hajj* Each year, huge numbers of Muslims from all over the world travel to Mecca to circumambulate the Kaaba during the month of pilgrimage. The exchange of ideas that occurs during the intermingling of these diverse groups of pilgrims has contributed to Islam's cultural eclecticism.

Muhammad's act of emptying the Kaaba of its pagan idols instituted the fundamental concept of **aniconism** (avoidance of



8-2 • THE KAABA, MECCA

The Kaaba represents the center of the Islamic world. Its cubical form is draped with a black textile that is embroidered with a few Qur'anic verses in gold.



MAP 8-1 • THE ISLAMIC WORLD

Within 200 years after 622 ce, the Islamic world expanded from Mecca to India in the east, and to Morocco and Spain in the west.

figural imagery) in Islamic art. Following his example, the Muslim faith discourages the representation of figures in religious contexts (although such images abound in palaces and illustrated manuscripts). Instead, Islamic artists elaborated a rich vocabulary of nonfigural ornament, including complex geometric designs and scrolling vines sometimes known as **arabesques**. Islamic art revels in surface decoration, in manipulating line, color, and especially pattern, often highlighting the interplay of pure abstraction, organic form, and script.

According to tradition, the Qur'an assumed its final form during the time of the third caliph (successor to the Prophet), Uthman (r. 644–56). As the language of the Qur'an, the Arabic language and script have been a powerful unifying force within Islam. From the eighth through the eleventh centuries, it was the universal language among scholars in the Islamic world and in some Christian lands as well. Inscriptions frequently ornament works of art, sometimes written clearly to provide a readable message, but in other cases written as complex patterns simply to delight the eye.

The Prophet was succeeded by a series of caliphs. The accession of Ali as the fourth caliph (r. 656–61) provoked a power struggle that led to his assassination and resulted in enduring divisions within Islam. Followers of Ali, known as Shi'ites (referring

to the party or *shi'a* of Ali), regard him alone as the Prophet's rightful successor. Sunni Muslims, in contrast, recognize all of the first four caliphs as "rightly guided." Ali was succeeded by his rival Muawiya (r. 661–80), a close relative of Uthman and the founder of the first Muslim dynasty, the Umayyad dynasty (661–750).

Islam expanded dramatically. In just two decades, seemingly unstoppable Muslim armies conquered the Sasanian Persian Empire, Egypt, and the Byzantine provinces of Syria and Palestine. By the early eighth century, under the Umayyads, they had reached India, conquered northern Africa and Spain, and penetrated France before being turned back (MAP 8–1). In these newly conquered lands, the treatment of Christians and Jews who did not convert to Islam was not consistent, but in general, as "People of the Book"—followers of a monotheistic religion based on a revealed scripture—they enjoyed a protected status. However, they were also subject to a special tax and restrictions on dress and employment.

Muslims participate in congregational worship at a mosque (mas jd, "place of prostration"). The Prophet Muhammad himself lived simply and instructed his followers in prayer at his house, now known as the Mosque of the Prophet, where he resided in Medina. This was a square enclosure that framed a large courtyard with rooms along the east wall where he and his family lived. Along the

# **TECHNIQUE** I Ornament

Islamic art delights in complex ornament that sheathes surfaces, distracting the eye from the underlying structure or physical form.



ablaq masonry (Madrasa-Mausoleum-Mosque of Sultan Hasan, Cairo) juxtaposes stone of contrasting colors. The ornamental effect is enhanced here by the interlocking jigsaw shape of the blocks, called joggled voussoirs.



cut tile (Shah-i Zinda, Samarkand), made up of dozens of individually cut ceramic tile pieces fitted precisely together, emphasizes the clarity of the colored shapes.



muqarnas (Court of the Lions, Alhambra, Granada) consists of small nichelike components, usually stacked in multiples as successive, nonload-bearing units in arches, cornices, and domes, hiding the transition from the vertical to the horizontal plane.



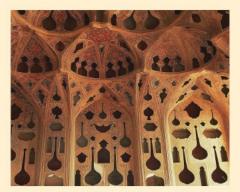
wooden strapwork (Kutubiya Minbar, Marrakesh) assembles finely cut wooden pieces to create the appearance of geometrically interlacing ribbons, often framing smaller panels of carved wood and inlaid ivory or mother-of-pearl (shell).



mosaic (Dome of the Rock, Jerusalem) is comprised of thousands of small glass or glazed ceramic tesserae set on a plaster ground. The luminous white circular shapes are mother-of-pearl.



water (Court of the Myrtles, Alhambra, Granada) is a fluid architectural element that reflects surrounding architecture, adds visual dynamism and sound, and, running in channels between halls, unites disparate spaces.



chini khana (Ali Qapu Pavilion, Isfahan) literally "china cabinet"—is a panel of niches, sometimes providing actual shelving, but used here for its contrast of material and void which reverses the typical figure-ground relationship.

south wall, a thatched portico supported by palm-tree trunks sheltered both the faithful as they prayed and Muhammad as he spoke from a low platform. This simple arrangement inspired the design of later mosques. Lacking an architectural focus such as an

altar, nave, or dome, the space of this prototypical **hypostyle** (multicolumned) mosque reflected the founding spirit of Islam in which the faithful pray as equals directly to God, led by an imam, but without the intermediary of a priesthood.

# ART AND ARCHITECTURE THROUGH THE FOURTEENTH CENTURY

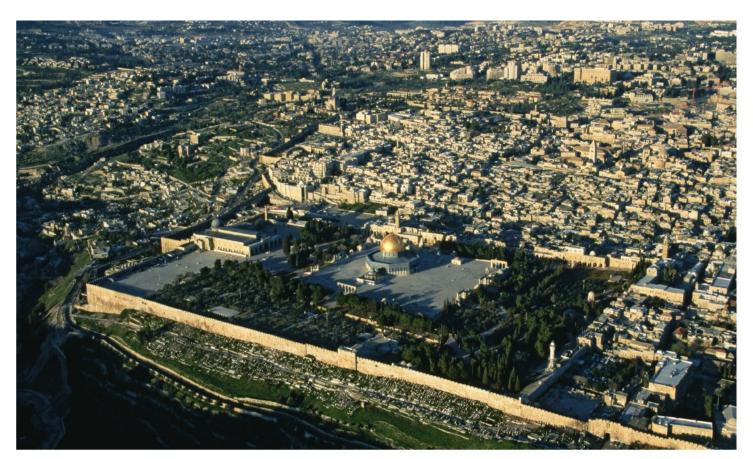
The caliphs of the Umayyad dynasty (661–750) ruled from Damascus in Syria, and throughout the Islamic Empire they built mosques and palaces that projected the authority of the new rulers and reflected the growing acceptance of Islam. In 750 the Abbasid clan replaced the Umayyads in a coup d'état, ruling as caliphs until 1258 from Baghdad, in Iraq, in the grand manner of the ancient Persian emperors. Their long and cosmopolitan reign saw achievements in medicine, mathematics, the natural sciences, philosophy, literature, music, and art. They were generally tolerant of the ethnically diverse populations in the territories they subjugated, and they admired the past achievements of Roman civilization and the living traditions of Byzantium, Persia, India, and China, freely borrowing artistic techniques and styles from all of them.

In the tenth century, the Islamic world split into separate kingdoms ruled by independent caliphs. In addition to the Abbasids of Iraq, there was a Fatimid Shi'ite caliph ruling Tunisia and Egypt, and a descendant of the Umayyads ruling Spain and Portugal (together then known as al-Andalus). The Islamic world did not reunite under the myriad dynasties who thereafter ruled from northern Africa to Asia, but the loss to unity was a gain to artistic diversity.

### **EARLY ARCHITECTURE**

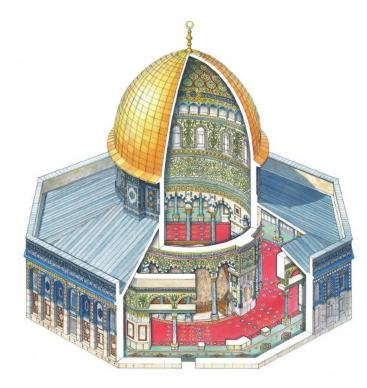
While Mecca and Medina remained the holiest Muslim cities, the political center shifted to the Syrian city of Damascus in 656. In the eastern Mediterranean, inspired by Roman and Byzantine architecture, the early Muslims became enthusiastic builders of shrines, mosques, and palaces. Although tombs were officially discouraged in Islam, they proliferated from the eleventh century onward, in part due to funerary practices imported from the Turkic northeast, and in part due to the rise of Shi'ism with its emphasis on genealogy and particularly ancestry through Muhammad's daughter, Fatima.

THE DOME OF THE ROCK. The Dome of the Rock is the first great monument of Islamic art. Built in Jerusalem, it is the third most holy site in Islam. In the center of the city rises the Haram al-Sharif ("Noble Sanctuary") (FIG. 8–3), a rocky outcrop from which Muslims believe Muhammad ascended to the presence of God on the "Night Journey" described in the Qur'an. It is the site of the First and Second Jewish Temples, and Jews and Christians variously associate it with Solomon, the site of the creation of Adam, and the place where the patriarch Abraham prepared to sacrifice his son Isaac at the command of God. In 691–92, a shrine was built over the rock using artisans trained in the Byzantine tradition. By appropriating a site holy to the Jewish and Christian



8-3 • AERIAL VIEW OF HARAM AL-SHARIF, JERUSALEM

The Dome of the Rock occupies a place of visual height and prominence in Jerusalem and, when first built, strikingly emphasized the arrival of Islam and its community of adherents in that ancient city.

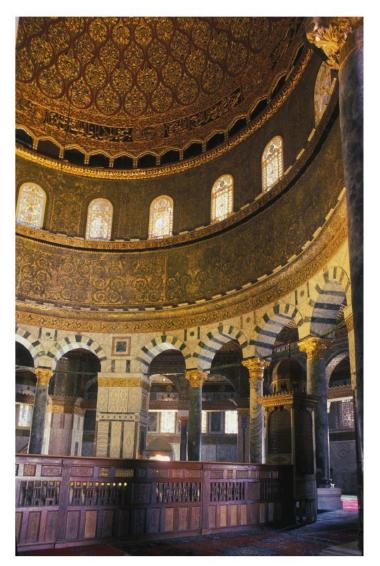


8-4 • CUTAWAY DRAWING OF THE DOME OF THE ROCK

faiths, the Dome of the Rock is the first architectural manifestation of Islam's view of itself as completing the prophecies of those faiths and superseding them.

Structurally, the Dome of the Rock imitates the centrally planned form of Early Christian and Byzantine martyria (SEE FIG. 7-20). However, unlike its models, with their plain exteriors, it is crowned by a golden dome that dominates the Jerusalem skyline. The ceramic tiles on the lower portion of the exterior were added later, but the opulent marble veneer and mosaics of the interior are original (see "Ornament," page 264). The dome, surmounting a circular drum pierced with windows and supported by arcades of alternating piers and columns, covers the central space containing the rock (FIG. 8-4). These arcades create concentric aisles (ambulatories) that permit devout visitors to circumambulate the rock. Inscriptions from the Qur'an interspersed with passages from other texts, including information about the building itself, form a frieze around the inner and outer arcades. As the pilgrim walks around the central space to read the inscriptions in brilliant gold mosaic on turquoise green ground, the building communicates both as a text and as a dazzling visual display (FIG. 8-5). These passages of text are especially notable because they are the oldest surviving written Qur'an verses and the first use of monumental Qur'anic inscriptions in architecture. Below are walls covered with pale marble, the veining of which creates abstract symmetrical patterns, and columns with shafts of gray marble and gilded capitals. Above the calligraphic frieze is another mosaic frieze depicting thick, symmetrical vine scrolls and trees in turquoise, blue, and green, embellished with imitation jewels, over a gold ground. The mosaics are variously thought to represent the gardens of Paradise and trophies of Muslim victories offered to God. The decorative program is extraordinarily rich but, remarkably enough, the focus of the building is neither art nor architecture but the plain rock within it.

THE GREAT MOSQUE OF KAIROUAN. Muslim congregations gather on Fridays for regular worship in a mosque. The earliest mosque type was the hypostyle, following the model of the Prophet's own house. The Great Mosque of Kairouan, Tunisia (FIG. 8–6), built in the ninth century, reflects the early form of the mosque but is elaborated with later additions. The large rectangular space is divided between a courtyard and a flat-roofed hypostyle prayer hall oriented toward Mecca. The system of repeated bays and aisles can easily be extended as the congregation grows in size—



8-5 • DOME OF THE ROCK, JERUSALEM

691. Interior. The arches of the inner and outer face of the central arcade are encrusted with golden mosaics, a Byzantine technique adapted for Islamic use. The carpets and ceilings are modern but probably reflect the original patron's intention.

**EXPLORE MORE:** Click the Google Earth link for the Dome of the Rock www.myartslab.com



# ART AND ITS CONTEXTS

# The Five Pillars of Islam

Islam emphasizes a direct, personal relationship with God. The Pillars of Islam, sometimes symbolized by an open hand with the five fingers extended, enumerate the duties required of Muslims by their faith.

- The first pillar (shahadah) is to proclaim that there is only one God and that Muhammad is his messenger. While monotheism is common to Judaism, Christianity, and Islam, and Muslims worship the god of Abraham, and also acknowledge Hebrew and Christian prophets such as Musa (Moses) and Isa (Jesus), Muslims deem the Christian Trinity polytheistic and assert that God was not born and did not give birth.
- The second pillar requires prayer (salat) to be performed by turning
  to face the Kaaba in Mecca five times daily: at dawn, noon, late
  afternoon, sunset, and nightfall. Prayer can occur almost anywhere,
  although the prayer on Fridays takes place in the congregational
  mosque. Because ritual ablutions are required for purity, mosque
  courtyards usually have fountains.
- The third pillar is the voluntary payment of annual tax or alms
   (zakah), equivalent to one-fortieth of one's assets. Zakah is used for
   charities such as feeding the poor, housing travelers, and paying the
   dowries of orphan girls. Among Shi'ites, an additional tithe is
   required to support the Shi'ite community specifically.

- The fourth pillar is the dawn-to-dusk fast (sawm) during Ramadan, the month when Muhammad received the revelations set down in the Qur'an. The fast of Ramadan is a communally shared sacrifice that imparts purification, self-control, and kinship with others. The end of Ramadan is celebrated with the feast day 'ld al-Fitr (Festival of the Breaking of the Fast).
- For those physically and financially able to do so, the fifth pillar is the pilgrimage to Mecca (hajj), which ideally is undertaken at least once in the life of each Muslim. Among the extensive pilgrimage rites are donning simple garments to remove distinctions of class and culture; collective circumambulations of the Kaaba; kissing the Black Stone inside the Kaaba (probably a meteorite that fell in pre-Islamic times); and the sacrificing of an animal, usually a sheep, in memory of Abraham's readiness to sacrifice his son at God's command. The end of the hajj is celebrated by the festival 'ld al-Adha (Festival of Sacrifice).

The directness and simplicity of Islam have made the Muslim religion readily adaptable to numerous varied cultural contexts throughout history. The Five Pillars instill not only faith and a sense of belonging, but also a commitment to Islam in the form of actual practice.

one of the hallmarks of the hypostyle plan. New is the large tower (the **minaret**, from which the faithful are called to prayer) that rises from one end of the courtyard and that stands as a powerful sign of Islam's presence in the city.

The **qibla** wall, marked by a centrally positioned *mihrab* niche, is the wall of the prayer hall that is closest to Mecca. Prayer is oriented towards this wall. In the Great Mosque of Kairouan, the

*qibla* wall is given heightened importance by a raised roof, a dome over the *mihrab*, and a central aisle that marks the axis that extends from the minaret to the *mihrab* (for a fourteenth-century example of a *mihrab*, SEE FIG. 8–12). The *mihrab* belongs to the historical tradition of niches that signify a holy place—the shrine for the Torah scrolls in a synagogue, the frame for the sculpture of a god or ancestor in Roman architecture, the apse in a church.



8-6 • THE GREAT MOSQUE, KAIROUAN, TUNISIA 836-875.

EXPLORE MORE: Click the Google Earth link for the Great Mosque of Kairouan www.myartslab.com



# THE OBJECT SPEAKS

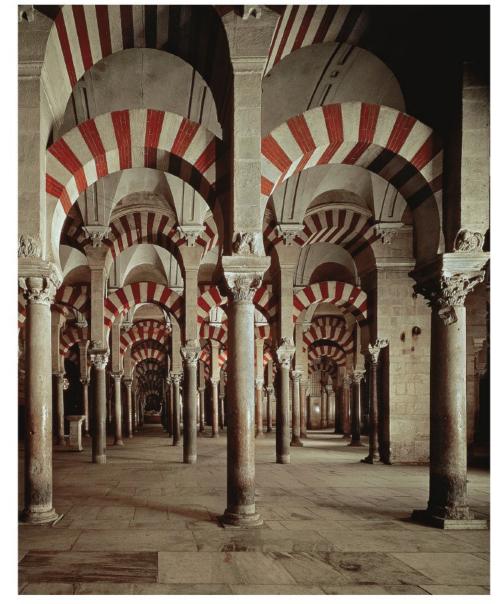
# The Great Mosque of Cordoba

When the Umayyads were toppled in 750, a survivor of the dynasty, Abd al-Rahman I (r. 756–788), fled across north Africa into southern Spain (al-Andalus) where, with the support of Muslim settlers, he established himself as the provincial ruler, or emir. This newly transplanted Umayyad dynasty ruled in Spain from their capital in Cordoba (756–1031). The Hispano-Umayyads were noted patrons of the arts, and one of the finest surviving examples of Umayyad architecture is the Great Mosque of Cordoba.

In 785, the Umayyad conquerors began building the Cordoba mosque on the site of a Christian church built by the Visigoths, the pre-Islamic rulers of Spain. The choice of site was both practical -for the Muslims had already been renting space within the church - and symbolic, an appropriation of place (similar to the Dome of the Rock) that affirmed their presence. Later rulers expanded the building three times, and today the walls enclose an area of about 620 by 460 feet, about a third of which is the courtyard. This patio was planted with fruit trees, beginning in the early ninth century; today orange trees seasonally fill the space with color and sweet scent. Inside, the proliferation of pattern in the repeated columns and double flying arches is colorful and dramatic. The marble columns and capitals in the hypostyle prayer hall were recycled from the Christian church that had formerly occupied the site, as well as from classical buildings in the region, which had been a wealthy Roman province. The mosque's interior incorporates spolia (reused) columns of slightly varying heights. Two tiers of arches, one over the other, surmount these columns; the upper tier springs from rectangular posts that rise from the columns. This double-tiered design dramatically increases the height of the interior space, inspiring a sense of

monumentality and awe. The distinctively shaped horseshoe arches—a form known from Roman times and favored by the Visigoths—came to be closely associated with Islamic architecture in the West (see "Arches," page 271). Another distinctive feature of these arches, adopted from Roman and Byzantine precedents, is the alternation of white stone and red brick voussoirs forming the curved arch. This mixture of materials may have helped the building withstand earthquakes.

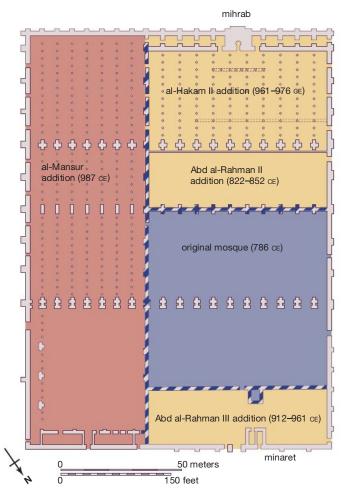
In the final century of Umayyad rule, Cordoba emerged as a major commercial and intellectual hub and a flourishing center for the arts, surpassing Christian European cities in science, literature, and philosophy. As a sign of this new wealth, prestige, and power, Abd al-Rahman III (r. 912–961) boldly reclaimed the title of caliph in 929. He and his son al-Hakam II (r. 961–976) made the Great Mosque a focus of patronage, commissioning costly and luxurious renovations such as a new *mihrab* with three bays in front of it. These capped the **maqsura**, an enclosure in front of the *mihrab* reserved for the ruler and other dignitaries, which became a feature of congregational



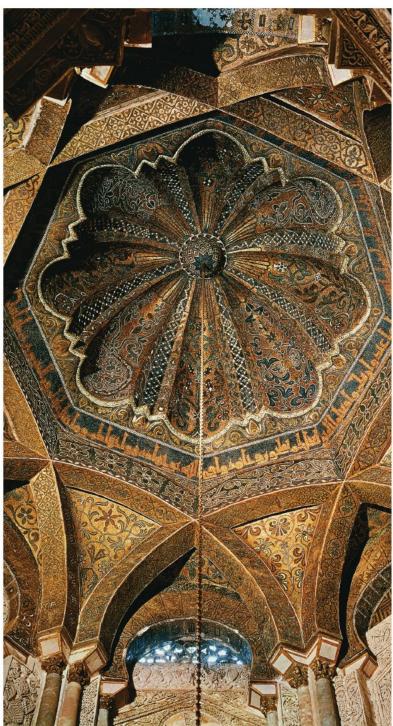
PRAYER HALL, GREAT MOSQUE, CORDOBA, SPAIN

Begun 785/786.

mosques after an assassination attempt on one of the Umayyad rulers. A minbar formerly stood by the mihrab as the place for the prayer leader and as a symbol of authority. The melon-shaped, ribbed dome over the central bay may be a metaphor for the celestial canopy. It seems to float upon a web of crisscrossing arches, the complexity of the design reflecting the Islamic interest in mathematics and geometry, not purely as abstract concepts but as sources for artistic inspiration. Lushly patterned mosaics with inscriptions, geometric motifs, and stylized vegetation clothe both this dome and the mihrab below in brilliant color and gold. These were installed by a Byzantine master who was sent by the emperor in Constantinople, bearing boxes of small glazed ceramic and glass pieces (tesserae). Such artistic exchange is emblematic of the interconnectedness of the medieval Mediterranean-through trade, diplomacy, and competition.



PLAN, GREAT MOSQUE, CORDOBA



**DOME IN FRONT OF THE MIHRAB, GREAT MOSQUE, CORDOBA** 965.

**EXPLORE MORE:** Click the Google Earth link for the Great Mosque at Cordoba www.myartslab.com

THE KUTUBIYA MOSQUE. In the Kutubiya Mosque, the principal mosque of Marrakesh, Morocco, an exceptionally exquisite wooden *minbar* survives from the twelfth century (FIG. 8–7). It consists of a staircase from which the weekly sermon was delivered to the congregation (for example, SEE FIG. 8–1). The sides are paneled in wooden marquetry with strapwork in a geometric pattern of eight-pointed stars and elongated hexagons inlaid with ivory (see "Ornament," page 264). The body of each figure is filled with wood carved in swirling vines. The risers of the stairs represent **horseshoe arches** resting on columns with ivory capitals and bases: Thus the pulpit (which had been made originally for the Booksellers' Mosque in Marrakesh) reflected the arcades of its surrounding architectural

context. This *minbar* resembled others across the Islamic world, but those at the Kutubiya Mosque and the Great Mosque of Cordoba were the finest, according to Ibn Marzuq (1311–1379), a distinguished preacher who had given sermons from 48 such *minbars*.

# THE LATER PERIOD

The Abbasid caliphate began a slow disintegration in the ninth century, and thereafter power in the Islamic world became fragmented among more or less independent regional rulers. During the eleventh century, the Saljuqs, a Turkic people, swept from north of the Caspian Sea into Khurasan and took Baghdad in



8-7 • MINBAR

From the Kutubiya Mosque, Marrakesh, Morocco. 1125–1130. Wood and ivory,  $12'8''\times11'4''\times2'10''$  (3.86  $\times$  3.46  $\times$  0.87 m). Badi Palace Museum, Marrakesh.

# **ELEMENTS OF ARCHITECTURE | Arches**

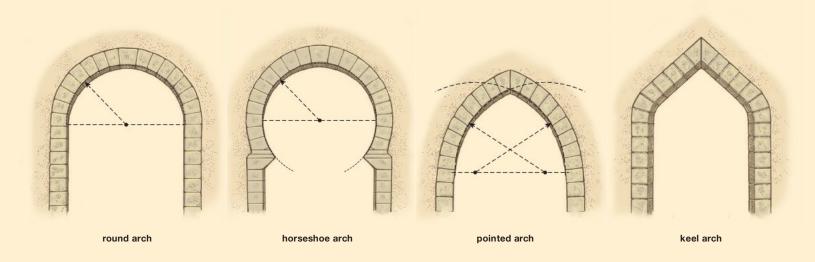
Islamic builders explored structure in innovative ways, using a variety of different arch types. The earliest is the simple semicircular arch, inherited from the Romans and Byzantines. It has a single center point that is level with the points from which the arch springs.

The horseshoe arch is a second type, which predates Islam but became the prevalent arch form in the Maghreb (see "The Great Mosque of Cordoba," page 268). The center point of this kind of arch

is above the level of the arch's springing point, so that it pinches inward above the capital.

The pointed arch, introduced after the beginning of Islam, has two (sometimes four) center points, the points generating different circles that overlap (for a very slightly pointed arch, SEE FIG. 8–24).

A keel arch has flat sides, and slopes where other arches are curved. It culminates at a pointed apex (see "Ornament," cut tile, page 264).



SEE MORE: View a simulation about arches www.myartslab.com

1055, becoming the virtual rulers of the Abbasid Empire. The Saljuqs united most of Iran and Iraq, establishing a dynasty that endured from 1037/38 to 1194. A branch of the dynasty, the Saljuqs of Rum, ruled much of Anatolia (Turkey) from the late eleventh to the beginning of the fourteenth century. The central and eastern Islamic world suffered a dramatic rift in the early thirteenth century when the nomadic Mongols-non-Muslims led by Genghiz Khan (r. 1206-1227) and his successors—attacked northern China, Central Asia, and ultimately Iran. The Mongols captured Baghdad in 1258, encountering weak resistance until they reached Egypt, where they were firmly defeated by the new Mamluk ruler. The Maghreb (Morocco, Spain, and Portugal) was ruled by various Arab and Berber dynasties. In Spain the borders of Islamic territory were gradually pushed southward by Christian forces until the rule of the last Muslim dynasty, the Nasrids (1230-1492), was ended. Morocco was ruled by the Berber Marinids (from the mid thirteenth century until 1465).

Although the religion of Islam remained a dominant and unifying force throughout these developments, the history of later Islamic society and culture reflects largely regional phenomena. Only a few works have been selected here and in Chapter 23 to characterize the art of Islam, and they by no means provide a comprehensive history of Islamic art.

# ARCHITECTURE OF THE MEDITERRANEAN

The new dynasties built on a grand scale, expanding their patronage from mosques and palaces to include new functional buildings, such as tombs, madrasas (colleges for religious and legal studies), public fountains, urban hostels, and remote caravanserais (inns) for traveling merchants in order to encourage long-distance trade. A distinguishing characteristic of architecture in the later period is its complexity. Multiple building types were now combined in large and diverse complexes, supported by perpetual endowments (called waq f that funded not only the building, but its administration and maintenance. Increasingly, these complexes included the patron's own tomb, thus giving visual prominence to the act of individual patronage and the expression of personal identity through commemoration. A new plan emerged, organized around a central courtyard framed by four large iwans (large vaulted halls with rectangular plans and monumental arched openings); this four-iwan plan was used for schools, palaces, and especially mosques.

THE MADRASA-MAUSOLEUM-MOSQUE IN CAIRO. Beginning in the eleventh century, Muslim rulers and wealthy individuals endowed hundreds of charitable complexes that displayed piety as well as personal wealth and status. The combined madrasa-mausoleum-mosque complex established in mid-fourteenth-century Cairo by



8-8 • QIBLA WALL WITH MIHRAB AND MINBAR, SULTAN HASAN MADRASA-MAUSOLEUM-MOSQUE COMPLEX Main iwan (vaulted chamber) in the mosque, Cairo. 1356–1363.

**EXPLORE MORE:** Click the Google Earth link for the *Qibla* wall with *mihrab* and *minbar*, Sultan Hasan *Madrasa*-Mausoleum-Mosque **www.myartslab.com** 



the Mamluk Sultan Hasan (FIGS. 8–8 and 8–9) is such an example. A dark corridor—a deflected entrance that is askew from the building's orientation—leads from the street into a central, well-lit courtyard of majestic proportions. The complex has a classic four-iwan plan, each iwan serving as a classroom for a different branch of study, the students housed in a multi-storied cluster of tiny rooms around each one. The sumptuous qibla iwan served as the prayer hall for the complex. Its walls are ornamented with typically Mamluk panels of sharply contrasting marbles (ablaq masonry, see "Ornament," page 264) that culminate in a doubly recessed mihrab framed by slightly pointed arches on columns. The marble blocks of the arches are ingeniously joined in interlocking pieces called joggled voussoirs. The paneling is surmounted by a wide band of Kufic (an angular Arabic script) inscription in stucco set against a background of scrolling vines, both the text and the ornament

# 8-9 • THE SULTAN HASAN MADRASA-MAUSOLEUM-MOSQUE COMPLEX

The *qibla iwan* is visible in the top left face of the courtyard, and the domed tomb looms behind it.

# A Mamluk Glass Oil Lamp >

from Cairo, Egypt. c. 1350–1355. Glass, polychrome enamel, and gold. Diameter of the top 10%" (26 cm), height 13%" (35 cm). British Museum, London.

The inscription on the vessel's flared neck is a Qur'anic quotation (Surah 24:35): "God is the light of the heavens and the earth. His light is as a niche wherein is a lamp, the lamp in a glass, the glass as a glittering star."

The roundel's emblem, called a blazon, identifies the patron; on this cup, it is the sign of Sayf al-Din Shaykhu al-Umari, who built a mosque in Cairo in 1349. The blazon passed to Western Europe during the crusades, where it evolved into the system we know as heraldry.



During the thirteenth and fourteenth centuries, glassmakers derived a new elegant thinness through blowing and molding techniques.

Blue, red, and white enamel and gilding cover the surface of the lamp in vertical bands that include vegetal designs and inscriptions interrupted by roundels containing emblems. Mamluk glassmakers excelled in the application of enameled surface decoration in gold and various colors.

This mosque lamp was suspended from chains attached to its handles, although it could also stand on its footed base.

SEE MORE: View the Closer Look feature for the Mamluk Glass Oil Lamp www.myartslab.com

referring to the paradise that is promised to the faithful. Next to the *mihrab* stands an elaborate, thronelike *minbar*. A platform for reading the Qur'an is in the foreground. Standing just beyond the *qibla iwan*, the patron's monumental domed tomb attached his identity ostentatiously to the architectural complex. The Sultan Hasan complex is excessive in its vast scale and opulent decoration, but money was not an object: The project was financed by the estates of victims of the bubonic plague that had raged in Cairo from 1348 to 1350.

The mosque in the Sultan Hasan complex—and many smaller establishments—required hundreds of lamps, and glassmaking was a booming industry in Egypt and Syria. Made of ordinary sand and ash, glass is the most ethereal of materials. The Egyptians produced the first glassware during the second millennium BCE, yet the tools and techniques for making it have changed little since then.

Exquisite glass was also used for beakers and vases, but lamps, lit from within by oil and wick, glowed with special brilliance (see "A Closer Look," above).

THE ALHAMBRA. Muslim patrons also spent lavishly on luxurious palaces set in gardens. The Alhambra in Granada, in southeastern Spain, is an outstanding example of beautiful and refined Islamic palace architecture. Built on the hilltop site of an early Islamic fortress, this palace complex was the seat of the Nasrids (1232–1492), the last Spanish Muslim dynasty, by which time Islamic territory had shrunk from covering most of the Iberian Peninsula to the region around Granada. To the conquering Christians at the end of the fifteenth century, the Alhambra represented the epitome of luxury. Thereafter, they preserved the complex as much to commemorate the defeat of Islam as for its beauty. Essentially a

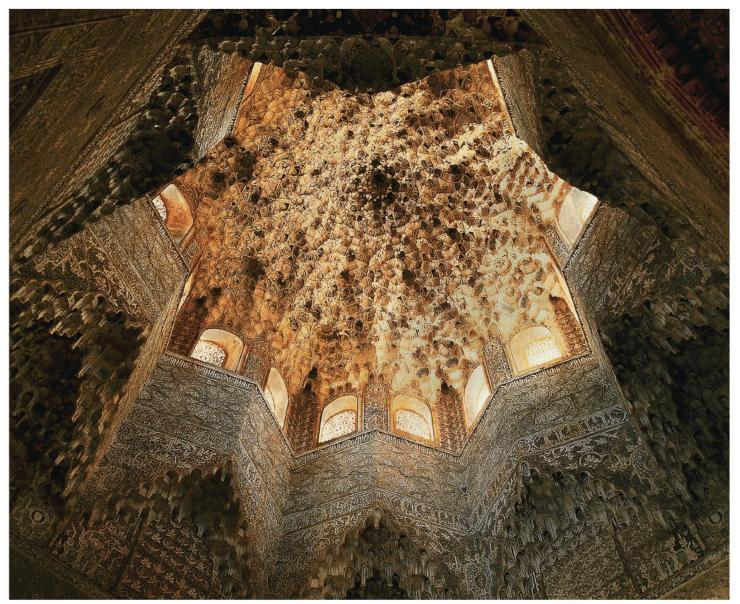


8-10 • COURT OF THE LIONS, ALHAMBRA, GRANADA, SPAIN

1354-1391.

**EXPLORE MORE:** Click the Google Earth link for the Court of the Lions, Alhambra www.myartslab.com

small town extending for about half a mile along the crest of a high hill overlooking Granada, it included government buildings, royal residences, gates, mosques, baths, servants' quarters, barracks, stables, a mint, workshops, and gardens. Much of what one sees at the site today was built in the fourteenth century or by Christian patrons in later centuries.



8-11 • MUQARNAS DOME, HALL OF THE ABENCERRAJES, PALACE OF THE LIONS, ALHAMBRA 1354-1391.

The stucco *muqarnas* (stalactite) ornament does not support the dome but is actually suspended from it, composed of some 5,000 individual plaster pieces. Of mesmerizing complexity, the vault's effect can be perceived but its structure cannot be fully comprehended.

SEE MORE: View a video about the Alhambra www.myartslab.com

The Alhambra offered dramatic views to the settled valley and snow-capped mountains around it, while enclosing gardens within its courtyards. One of these is the Court of the Lions which stood at the heart of the so-called Palace of the Lions, the private retreat of Sultan Muhammad V (r. 1354–1359 and 1362–1391). The Court of the Lions is divided into quadrants by cross-axial walkways—a garden form called a *chahar bagh*. The walkways carry channels that meet at a central marble fountain held aloft on the backs of 12 stone lions (FIG. 8–10). Water animates the fountain, filling the courtyard with the sound of its life-giving abundance. In an adjacent courtyard, the Court of the Myrtles, a basin's round shape responds to the naturally concentric ripples of the water that spouts from a central jet (see "Ornament," page 264). Water has a practical role in the irrigation of gardens, but here it is raised to the level of an art form.

The Court of the Lions is encircled by an arcade of stucco arches embellished with **muqarnas** (see "Ornament," page 264) and supported on single columns or clusters of two and three. Second-floor **miradors**—windows that frame specifically intentioned views—look over the courtyard, which was originally either gardened or more likely paved, with aromatic citrus confined to corner plantings. From these windows, protected by latticework screens, the women of the court, who did not appear in public, would watch the activities of the men below. At one end of the Palace of the Lions, a particularly magnificent *mirador* looks out onto a large, lower garden and the plain below. From here, the sultan literally oversaw the fertile valley that was his kingdom.

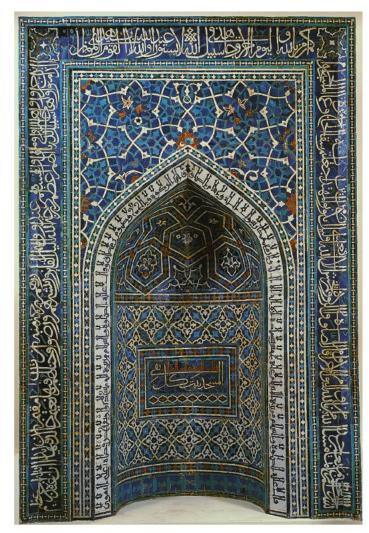
On the south side of the Court of the Lions, the lofty Hall of the Abencerra jes was designed as a winter reception hall and music room. In addition to having excellent acoustics, its ceiling exhibits dazzling geometrical complexity and exquisitely carved stucco (FIG. 8–11). The star-shaped vault is formed by a honeycomb of clustered *muqarnas* arches that alternate with corner **squinches** that are filled with more *muqarnas*. The square room thus rises to an eight-pointed star, pierced by 16 windows, that culminates in a burst of *muqarnas* floating high overhead, perceived and yet ultimately unknowable, like the heavens themselves.

## ARCHITECTURE OF THE EAST

The Mongol invasions brought devastation and political instability but also renewal and artistic exchange that provided the foundation for successor dynasties with a decidedly eastern identity. One of the empires to emerge after the Mongols was the vast Timurid Empire (1370–1506), which conquered Iran, Central Asia, and the northern part of South Asia. Its founder, Timur (known in the West as Tamerlane), was a Mongol descendant, a lineage strengthened through marriage to a descendant of Genghiz Khan. Timur made his capital at Samarkand, which he embellished by means of the forcible relocation of expert artisans from the areas he subdued. Because the empire's compass was vast, Timurid art could integrate Chinese, Persian, Turkic, and Mediterranean artistic ideas into a Mongol base. Its architecture is characterized by axial symmetry, tall double-shelled domes (an inner dome capped by an outer shell

of much larger proportions), modular planning with rhythmically repeated elements, and brilliant cobalt blue, turquoise, and white glazed ceramics. Although the empire itself lasted only 100 years after the death of Timur, its legacy endured in the art of the later Safavid dynasty in Iran and the Mughals of South Asia.

A TILE MIHRAB. Made during a period of uncertainty as Iran shifted from Mongol to Timurid rule, this *mihrab* (1354), originally from a *madrasa* in Isfahan, is one of the finest examples of architectural ceramic decoration from this era (FIG. 8–12). More than 11 feet tall, it was made by painstakingly cutting each individual piece of tile, including the pieces making up the letters on the curving



8-12 • TILE MOSAIC MIHRAB

From the Madrasa Imami, Isfahan, Iran. Founded 1354. Glazed and cut tiles,  $11'3'' \times 7'6''$  (3.43  $\times$  2.29 m). Metropolitan Museum of Art, New York. Harris Brisbane Dick Fund (39.20)

This *mihrab* has three inscriptions: the outer inscription, in cursive, contains Qur'anic verses (Surah 9) that describe the duties of believers and the Five Pillars of Islam. Framing the niche's pointed arch, a Kufic inscription contains sayings of the Prophet. In the center, a panel with a line in Kufic and another in cursive states: "The mosque is the house of every pious person."



8-13 • SHAH-I ZINDA FUNERARY COMPLEX, SAMARKAND Late 14th–15th century.

Timurid princesses were buried here and built many of the tombs. The lively experimentation in varied artistic motifs indicates that women were well versed in the arts and empowered to exercise personal taste.

surface of the keel-profiled niche. The color scheme—white against turquoise and cobalt blue with accents of dark yellow and green—was typical of this type of decoration, as were the harmonious, dense, contrasting patterns of organic and geometric forms. The cursive inscription of the outer frame is rendered in elegant white lettering on a blue ground, while the Kufic inscription bordering the pointed arch reverses these colors for a pleasing contrast.

THE SHAH-I ZINDA. Near Samarkand, the preexisting Shah-i Zinda (Living King) funerary complex was adopted for the tombs of Timurid family members, especially princesses, in the late fourteenth and fifteenth centuries (FIG. 8–13). The mausolea are arrayed along a central avenue that descends from the tomb of Qutham b. Abbas

(a cousin of the Prophet and a saint). The women sought burial in the vicinity of the holy man in order to gain baraka (blessing) from his presence. Like all Timurid architecture, the tombs reflect modular planning-noticeable in the repeated dome-on-square unit—and a preference for blue glazed tiles. The domes of the individual structures were double-shelled and, for exaggerated effect, stood on high drums inscribed with Qur'anic verses. The ornament adorning the exterior façades consists of an unusually exuberant array of patterns and techniques, from geometry to chinoiserie, and both painted and cut tiles (see "Ornament," page 264). The tombs reflect a range of individual taste and artistic experimentation that was possible precisely because they were private commissions that served the patrons themselves, rather than the city or state (as in a congregational mosque).

### PORTABLE ARTS

Islamic society was cosmopolitan, with pilgrimage, trade, and a well-defined road network fostering the circulation of marketable goods. In addition to the import and export of basic foodstuffs and goods, luxury arts brought particular pleasure and status to their owners and were visible signs of cultural refinement. On objects made of ceramics, ivory, and metal, as well as textiles, calligraphy was prominently displayed. These art objects were eagerly exchanged and collected from one end of the Islamic world to the other, and despite their Arabic lettering—or perhaps precisely because of its artistic cachet—they were sought by European patrons as well.

CERAMICS. Script was the sole decoration on a type of white pottery made from the tenth century onward in and around the region of Nishapur (in Khurasan, in present-day Iran) and Samarkand (in present-day Uzbekistan). These elegant pieces are characterized by the use of a clear lead glaze applied over a black inscription on a white slip-painted ground. In FIGURE 8–14 the script's horizontals and verticals have been elongated to fill the bowl's rim. The fine quality of the lettering indicates that a calligrapher furnished the model. The inscription translates: "Knowledge [or magnanimity]: the beginning of it is bitter to taste, but the end is sweeter than honey," an apt choice for tableware and appealing to an educated patron. The inscriptions on Islamic ceramics provide a storehouse of such popular sayings.



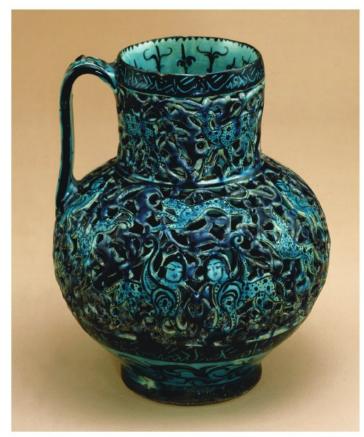
8-14 • BOWL WITH KUFIC BORDER

Khurasan, 11th–12th century. Earthenware with slip, pigment, and lead glaze, diameter 14½" (33.8 cm). Musée du Louvre, Paris.

The white ground of this piece imitated prized Chinese porcelains made of fine white kaolin clay. Khurasan was connected to the Silk Road, the great caravan route to China (Chapter 10), and was influenced by Chinese culture.

In the ninth century, potters developed a technique to produce a lustrous metallic surface on their ceramics. They may have learned the technique from Islamic glassmakers who had produced luster-painted vessels a century earlier. First the potters applied a paint laced with silver, copper, or gold oxides to the surface of already fired and glazed tiles or vessels. In a second firing with relatively low heat and less oxygen, these oxides burned away to produce a reflective sheen. The finished **lusterware** resembled precious metal. At first the potters covered the entire surface with luster, but soon they began to use luster to paint dense, elaborate patterns using geometric design, foliage, and animals in golden brown, red, purple, and green. Lusterware tiles, dated 862/863, decorated the *mihrab* of the Great Mosque at Kairouan.

The most spectacular lusterware pieces are the double-shell fritware, in which an inner solid body is hidden beneath a densely decorated and perforated outer shell. A jar in the Metropolitan Museum known as the *Macy Jug* (after a previous owner) exemplifies this style (FIG. 8–15). The black underglaze-painted decoration represents animals and pairs of harpies and sphinxes set into an elaborate "water-weed" pattern. The outer shell is covered with a turquoise glaze, enhanced by a deep cobalt-blue glaze on parts of the floral decoration and finally an overglaze that gives the entire surface its metallic luster. An inscription includes the date AH 612 (1215/1216 CE).



8-15 • THE MACY JUG

Iran. 1215/1216. Composite body glazed, painted fritware and incised (glaze partially stained with cobalt), with pierced outer shell,  $6\% \times 7\%$  (16.8  $\times$  19.7 cm). Metropolitan Museum of Art, New York. Fletcher Fund, 1932 (32.52.1)

Fritware was used to make beads in ancient Egypt and may have been rediscovered there by Islamic potters searching for a substitute for Chinese porcelain. Its components were one part white clay, ten parts quartz, and one part quartz fused with soda, which produced a brittle white ware when fired. The colors on this double-walled ewer and others like it were produced by applying mineral glazes over black painted detailing. The deep blue comes from cobalt and the turquoise from copper. Luster—a thin, transparent glaze with a metallic sheen—was applied over the colored glazes.

METAL. Islamic metalsmiths enlivened the surface of vessels with scrolls, interlacing designs, human and animal figures, and calligraphic inscriptions. A shortage of silver in the mid twelfth century prompted the development of inlaid brasswork that used the more precious metal sparingly, as in FIGURE 8–16. This basin, made in Mamluk Egypt in the late thirteenth or early fourteenth century, may be the finest work of metal produced by a Muslim artisan. Its dynamic surface is adorned with three bands, the upper and lower depicting running animals, and the center showing chivalric scenes of horsemen flanked by attendants, soldiers, and falcons. The surface is crowded with overlapping figures, in vigorous poses, that nevertheless remain distinct by means of hatching, modeling, and the framing device of the four roundels. The piece was made and signed (six times) by Muhammad Ibn al-Zain. The narrative band displays scenes of the princely art of



**8-16** • Muhammad Ibn al-Zain **BAPTISTERY OF ST. LOUIS** Syria or Egypt. c. 1300. Brass inlaid with silver and gold,  $8\% \times 19\%$ " (22.2 × 50.2 cm). Musée du Louvre, Paris.

This beautifully crafted basin, with its princely themes of hunting and horsemanship, was made for an unknown Mamluk patron, judging by its emblems and coats of arms. However, it became known as the *Baptistery of St. Louis*, because it was acquired by the French sometime before the end of the fourteenth century (long after the era of St. Louis) and used for royal baptisms.

horsemanship and hunting, but in later metalwork such pictorial cycles were replaced by large-scale inscriptions.

TEXTILES. A Kufic inscription appears on a tenth-century piece of silk from Khurasan (FIG. 8–17): "Glory and happiness to the Commander Abu Mansur Bukhtakin. May God prolong his prosperity." Such good wishes were common in Islamic art, appearing as generic blessings on ordinary goods sold in the marketplace or, as here, personalized for the patron. The woven bands of script are known as *tiraz* ("embroidered"), and they appear in textiles as well as illustrated manuscripts, such as the *Maqamat*, where the robes of figures have *tiraz* on their sleeves (SEE FIG. 8.1). Texts can sometimes help determine where and when a work was made, but they can be frustratingly uninformative when

little is known about the patron, and they are not always truthful. Stylistic comparisons—in this case with other textiles, with the way similar subjects appear in other media, and with other inscriptions—sometimes reveal more than the inscription alone.

This silk must have been brought from the Near East to France by knights at the time of the First Crusade. Known as the Shroud of St. Josse, it was preserved in the church of Saint-Josse-sur-Mer, near Caen in Normandy. Rich Islamic textiles of brilliantly hued silk, gold thread, brocade, and especially *tiraz* were prized by Christians and were often preserved in Christian burial chambers and church treasuries. Textiles were one of the most actively traded commodities in the medieval Mediterranean region and formed a significant portion of dowries and inheritances. For these reasons, they were an important means of disseminating

# 8-17 • TEXTILE WITH ELEPHANTS AND CAMELS

Known today as the Shroud of St. Josse. From Khurasan or Central Asia. Before 961. Dyed silk, largest fragment  $20\frac{1}{2} \times 37$ " (52  $\times$  94 cm). Musée du Louvre, Paris.

Silk textiles were both sought-after luxury items and a medium of economic exchange. Government-controlled factories, known as dar al-tiraz, produced cloth for the court as well as for official gifts and payments. A number of Islamic fabrics have been preserved in the treasuries of medieval European churches, where they were used for priests' ceremonial robes and as altar cloths, and to wrap the relics of Christian saints.



artistic styles and techniques. This fragment shows two elephants, themselves bearing highly ornamental coverings with Sasanian straps, facing each other on a dark red ground, each with a mythical griffin (a Chinese motif) between its feet. A caravan of two-humped Bactrian camels linked with rope moves up the elaborately patterned border along the left side. The inscription at the bottom is upside down, suggesting that the missing portion of the textile was a fragment from a larger and more complex composition. The technique and design derive from the sumptuous pattern-woven silks of Sasanian Iran (Persia). The Persian weavers had, in turn, adapted Chinese silk technology to the Sasanian taste for paired heraldic beasts and other Near Eastern imagery. The eclecticism of Islamic culture is demonstrated by the blending of Sasanian and Chinese sources in a textile made for a Turkic patron.

### THE ARTS OF THE BOOK

The art of book production flourished from the first century of Islam because Islam's emphasis on the study of the Qur'an promoted a high level of literacy among both men and women. With the availability of paper, books on a wide range of religious as well as secular subjects were available, although hand-copied books always remained fairly costly. (Muslims did not adopt the printing press until the eighteenth and nineteenth centuries.) Libraries, often associated with *madrasas*, were endowed by members of the educated elite. Books made for royal patrons had luxurious bindings and highly embellished pages, the result of workshop collaboration between noted calligraphers and illustrators.

CALLIGRAPHY. Muslim society holds calligraphy (the art of fine hand lettering) in the highest esteem. Since the Qur'an is believed to reveal the word of God, its words must be written accurately, with devotion and embellishment. Writing was not limited to books and documents but—as we have seen—was displayed on the walls of buildings and on artwork. Since pictorial imagery developed relatively late in Islamic art (and there was no figural imagery at all in the religious context), text became a principal vehicle for visual communication. The written word thus played two roles: It could convey information about a building or object, describing its beauty or naming its patron, and it could delight the eye in an entirely aesthetic sense. Arabic script is written from right to left, and a letter's form varies depending on its position in a word. With its rhythmic interplay between verticals and horizontals, Arabic lends itself to many variations. Formal Kufic script (after Kufa, a city in Iraq) is blocky and angular, with strong upright strokes and long horizontals. It may have developed first for carved or woven inscriptions where clarity and practicality of execution were important.

Most early Qur'ans had large Kufic letters and only three to five lines per page, which had a horizontal orientation. The visual clarity was necessary because one book was often shared by multiple readers simultaneously. A page from a ninth-century Syrian Qur'an exemplifies the style common from the eighth to the tenth century (FIG. 8–18). Red diacritical marks (pronunciation guides) accent the dark brown ink; the *surah* ("chapter") title is embedded in the burnished ornament at the bottom of the sheet. Instead of



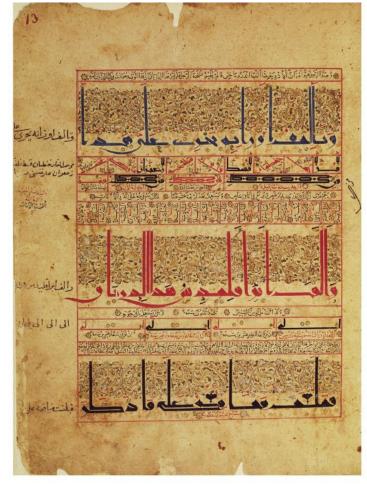
# 8-18 • PAGE FROM THE QUR'AN

Surah 2:286 and title of Surah 3 in Kufic script. Syria. 9th century. Black ink pigments, and gold on vellum,  $8\% \times 11\%$  (21.8  $\times$  29.2 cm). Metropolitan Museum of Art, New York. Rogers Fund, 1937 (37.99.2)

# **EXPLORE MORE:**

Gain insight from a primary source, the Qur'an

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8-19 • Attributed to Galinus ARABIC MANUSCRIPT PAGE

Iraq. 1199. Bibliothèque Nationale, Paris.

Headings are in ornamental Kufic script with a background of scrolling vines, while the text—a medical treatise—is written horizontally and vertically in *naskhi* script.

page numbers, the brilliant gold of the framed words and the knoblike projection in the left-hand margin are a distinctive means of marking chapter breaks.

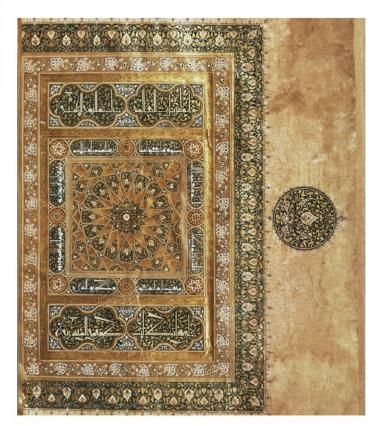
Calligraphers enjoyed the highest status of all artists in Islamic society. Included in their number were princes and women. Apprentice scribes had to learn secret formulas for inks and paints; become skilled in the proper ways to sit, breathe, and manipulate their tools; and develop their individual specialties. They also had to absorb the complex literary traditions and number symbolism that had developed in Islamic culture. Their training was long and arduous, but unlike other artisans who were generally anonymous in the early centuries of Islam, outstanding calligraphers received public recognition.

By the tenth century, more than 20 cursive scripts had come into use. They were standardized by Ibn Muqla (d. 940), an Abbasid official who fixed the proportions of the letters in each script and devised a method for teaching calligraphy that is still in use today. The Qur'an was usually written on **parchment** (treated animal

skin) and vellum (calfskin or a fine parchment). Paper was first manufactured in Central Asia during the mid eighth century, having been introduced earlier by Buddhist monks. Muslims learned how to make high-quality, rag-based paper, and eventually established their own paper mills. By about 1000, paper had largely replaced the more costly parchment for everything but Qur'an manuscripts, which adopted the new medium much later. It was a change as momentous as that brought about by movable type or the internet, affecting not only the appearance of manuscripts but also their content. The inexpensive new medium sparked a surge in book production and the proliferation of increasingly elaborate and decorative cursive scripts which generally superseded Kufic by the thirteenth century. Of the major styles, one extraordinarily beautiful form, known as naskhi, was said to have been revealed and taught to scribes in a vision. In FIGURE 8-19, its beautifully flowing lines alternate with an eastern variety of Kufic set against a field of swirling vine scrolls.

### MANUSCRIPT PAINTING

The manuscript illustrators of Mamluk Egypt (1250–1517) executed intricate nonfigural geometric designs for the Qur'ans they



8-20 • QUR'AN FRONTISPIECE (RIGHT HALF OF TWO-PAGE SPREAD)

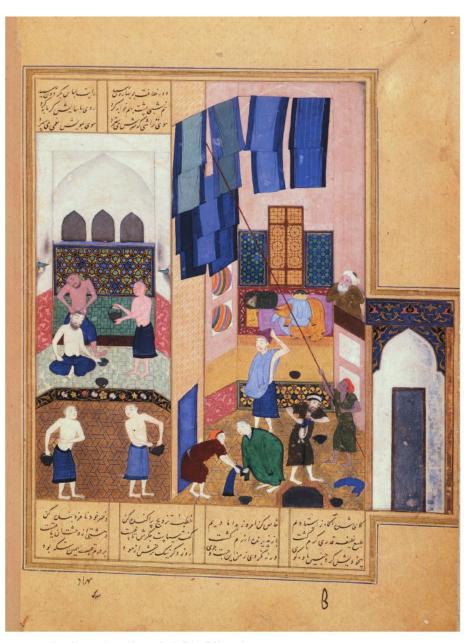
Cairo. c. 1368. Ink, pigments, and gold on paper,  $24\times18''$  (61  $\times$  45.7 cm). National Library, Cairo. MS. 7

The Qur'an to which this page belonged was donated in 1369 by Sultan Shaban to the *madrasa* established by his mother. A close collaboration between illuminator and scribe can be seen here and throughout the manuscript.

produced. Geometric and botanical ornamentation contributed to unprecedented sumptuousness and complexity. As in architectural decoration, the exuberant ornament was underlaid by strict geometric organization. In an impressive frontispiece originally paired with its mirror image on the facing left page, the design radiates from a 16-pointed starburst, filling the central square (FIG. 8–20). The surrounding frames are filled with interlacing foliage and stylized flowers that embellish the holy scripture. The page's

resemblance to court carpets was not coincidental. Designers worked in more than one medium, leaving the execution of their efforts to specialized artisans. In addition to religious works, scribes copied and recopied famous secular texts—scientific treatises, manuals of all kinds, stories, and especially poetry. Painters supplied illustrations for these books and also created individual small-scale paintings—miniatures—that were collected by the wealthy and placed in albums.

THE HERAT SCHOOL. One of the great royal centers of miniature painting was at Herat in western Afghanistan. A school of painting and calligraphy was founded there in the early fifteenth century under the highly cultured patronage of the Timurid dynasty (1370-1507). In the second half of the fifteenth century, the leader of the Herat School was Kamal al-Din Bihzad (c. 1450-1514). When the Safavids supplanted the Timurids in 1506/07 and established their capital at Tabriz in northwestern Iran, Bihzad moved to Tabriz and briefly resumed his career there. Bihzad's paintings, done around 1494 to illustrate the Khamsa (Five Poems), written by Nizami, demonstrate his ability to render human activity convincingly. He set his scenes within complex, stagelike architectural spaces that are stylized according to Timurid conventions, creating a visual balance between activity and architecture. In a scene depicting the caliph Harun al-Rashid's visit to a bath (FIG. 8-21), the bathhouse, its tiled entrance leading to a high-ceiling dressing room with brick walls, provides the structuring element. Attendants wash long, blue towels and hang them to dry on overhead clotheslines. A worker reaches for one of the towels with a long pole, and a client prepares to wrap himself discreetly in a towel before removing his outer garments. The blue door on the left leads to a room where a barber grooms the caliph while attendants bring water for his bath. The asymmetrical composition depends on a balanced placement of colors and architectural ornaments within each section.



8-21 • Attributed to Kamal al-Din Bihzad THE CALIPH HARUN AL-RASHID VISITS THE TURKISH BATH

From a copy of the 12th-century *Khamsa* (*Five Poems*) of Nizami. From Herat, Afghanistan. c. 1494. Ink and pigments on paper, approx.  $7 \times 6''$  (17.8  $\times$  15.3 cm). The British Library, London. Oriental and India Office Collections MS. Or. 6810, fol. 27v

Despite early warnings against it as a place for the dangerous indulgence of the pleasures of the flesh, the bathhouse (hammam), adapted from Roman and Hellenistic predecessors, became an important social center in much of the Islamic world. The remains of an eighthcentury hammam still stand in Jordan, and a twelfth-century hammam is still in use in Damascus. Hammams had a small entrance to keep in the heat, which was supplied by steam ducts running under the floors. The main room had pipes in the wall with steam vents. Unlike the Romans, who bathed and swam in pools of water, Muslims preferred to splash themselves from basins, and the floors were slanted for drainage. A hammam was frequently located near a mosque, part of the commercial complex provided by the patron to generate income for the mosque's upkeep.

# ART AND ARCHITECTURE OF THE THREE EMPIRES

In the pre-modern era, three great powers emerged in the Islamic world. The introduction of gunpowder for use in cannons and guns caused a shift in military strategy because isolated lords in lone castles could not withstand gunpowder sieges. Power lay not in thick walls but in strong centralized governments that had the wherewithal to invest in fire power and train armies in its use. To the west was the Ottoman Empire (1342-1918), which grew from a small principality in Asia Minor. In spite of setbacks inflicted by the Mongols, the Ottomans ultimately created an empire that extended over Anatolia, western Iran, Iraq, Syria, Palestine, western Arabia (including Mecca and Medina), northern Africa (excepting Morocco), and part of eastern Europe. In 1453, their stunning capture of Constantinople (ultimately renamed Istanbul) brought the Byzantine Empire to an end. To the east of the Ottomans, Iran was ruled by the Safavid dynasty (1501-1732), distinguished for their Shi'ite branch of Islam. Their patronage of art and architecture favored the refinement of artistic ideas and techniques drawn from the Timurid period. The other heirs to the Timurids were the Mughals of South Asia (1526-1858). The first Mughal emperor, Babur, invaded Hindustan (India and Pakistan) from Afghanistan, bringing with him a taste for Timurid gardens, architectural symmetry, and modular planning.

### THE OTTOMAN EMPIRE

Imperial Ottoman mosques were strongly influenced by Byzantine church plans and reflect a drive toward ever larger domes. The prayer hall interiors are dominated by a large domed space uninterrupted by structural supports. Worship is directed, as in other mosques, toward a *qibla* wall and *mihrab* opposite the entrance.

Upon conquering Constantinople, the rulers of the Ottoman Empire converted the great Byzantine church of Hagia Sophia into a mosque, framing it with two graceful Turkish-style minarets in the fifteenth century and two more in the sixteenth century (SEE FIG. 7–17). In conformance with Islamic aniconism, the church's mosaics were destroyed or whitewashed. Huge calligraphic disks with the names of God (Allah), Muhammad, and the early caliphs were added to the interior in the mid nineteenth century (SEE FIG. 7–19). At present, Hagia Sophia is neither a church nor a mosque but a state museum.

THE ARCHITECT SINAN. Ottoman architects had already developed the domed, centrally planned mosque, but the vast open interior and structural clarity of Hagia Sophia inspired them to strive for a more ambitious scale. For the architect Sinan (c. 1489-1588) the development of a monumental centrally planned mosque was a personal quest. Sinan began his career in the army and served as engineer in the Ottoman campaigns at Belgrade, Vienna, and Baghdad. He rose through the ranks to become, in 1528, chief architect for Suleyman "the Magnificent," the tenth Ottoman sultan (r. 1520-1566). Suleyman's reign marked the height of Ottoman power, and the sultan sponsored an ambitious building program on a scale not seen since the days of the Roman Empire. Serving Suleyman and his successor, Sinan is credited with more than 300 imperial commissions, including palaces, madrasas and Qur'an schools, tombs, public kitchens, hospitals, caravanserais, treasure houses, baths, bridges, viaducts, and 124 large and small mosques.

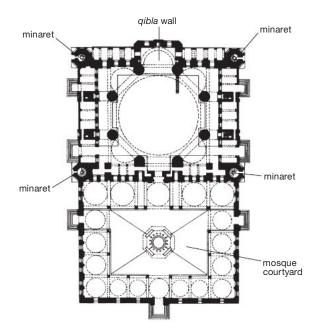


8-22 • Sinan MOSQUE OF SULTAN SELIM

Edirne, Turkey. 1568-1575.

The minarets that pierce the sky around the prayer hall of this mosque, their sleek, fluted walls and needle-nosed spires soaring to more than 295 feet, are only 12½ feet in diameter at the base, an impressive feat of engineering. Only royal Ottoman mosques were permitted multiple minarets, and having more than two was unusual.

EXPLORE MORE: Click the Google Earth link for the Mosque of Sultan Selim www.myartslab.com

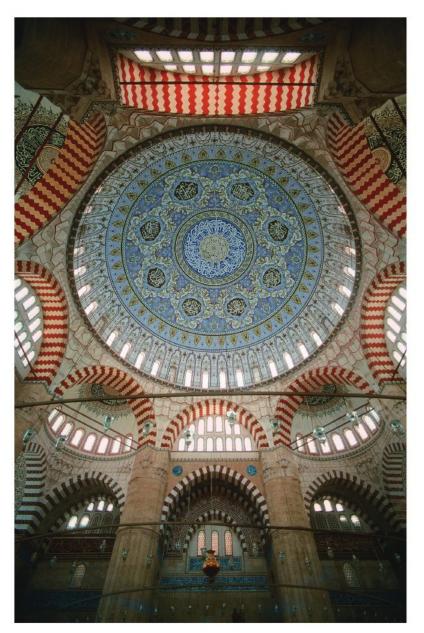


8-23 • PLAN OF MOSQUE OF SULTAN SELIM

Sinan's crowning accomplishment, completed about 1579, when he was over 80, was a mosque he designed in the provincial capital of Edirne for Suleyman's son Selim II (r. 1566–1574) (FIGS. 8–22, 8–23). The gigantic hemispheric dome that tops this structure is more than 102 feet in diameter, larger than the dome of Hagia Sophia, as Sinan proudly pointed out. It crowns a building of extraordinary architectural coherence. The transition from square base to the central dome is accomplished by corner half-domes that enhance the spatial plasticity and openness of the prayer hall's airy interior (FIG. 8-24). The eight massive piers that bear the dome's weight are visible both within and without—on the exterior they resolve in pointed towers that encircle the main dome—revealing the structural logic of the building and clarifying its form. In the arches that support the dome and span from one pier to the next-and indeed at every level-light pours from windows into the interior, a space at once soaring and serene.

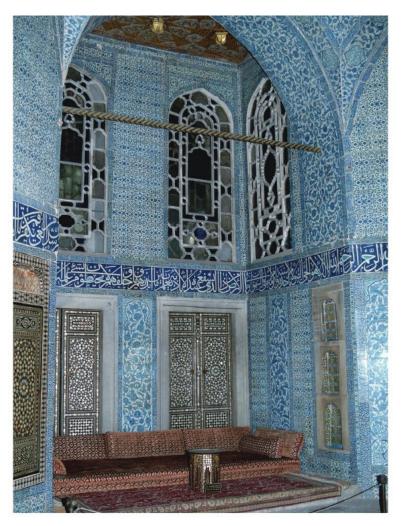
The interior was clearly influenced by Hagia Sophia—an open expanse under a vast dome floating on a ring of light—but it rejects Hagia Sophia's longitudinal pull from entrance to sanctuary. The Selimiye Mosque is truly a centrally planned structure. In addition to the mosque, the complex housed a madrasa and other educational buildings, a cemetery, a hospital, and charity kitchens, as well as the income-producing covered market and baths. Framed by the vertical lines of four minarets and raised on a platform at the city's edge, the Selimiye Mosque dominates the skyline.

The Topkapi, the Ottomans' enormous palace in Istanbul, was a city unto itself. Built and inhabited from 1473 to 1853, it consisted of enclosures within walled enclosures that mirrored the



8-24 • INTERIOR, MOSQUE OF SULTAN SELIM

immense political bureaucracy of the state. Inside, the sultan was removed from virtually all contact with the public. At the end of the inner palace, a free-standing pavilion, the Baghdad Kiosk (1638), provided him with a sumptuous retreat (FIG. 8–25). The kiosk consists of a low dome set above a cruciform hall with four alcoves. Each recess contains a low sofa (a Turkish word) laid with cushions and flanked by cabinets of wood inlaid with ivory and shell. Alternating with the cabinets are niches with ornate profiles: When stacked in profusion such niches—called *chini khana*— form decorative panels. On the walls, the blue and turquoise glazed tiles contain an inscription of the Throne Verse (2:255) which proclaims God's dominion "over the heavens and the earth," a reference to divine power that appears in many throne rooms and places associated with Muslim sovereigns. Light sparkles through the stained glass above.

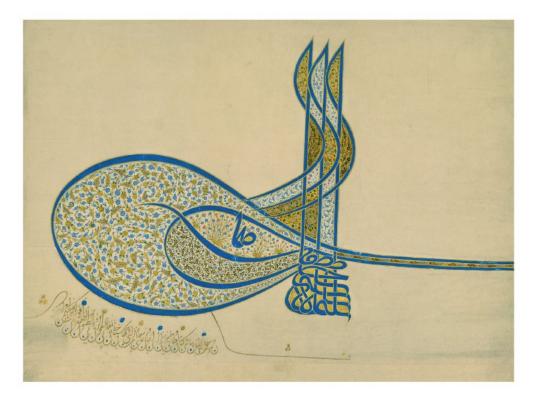


8-25 • BAGHDAD KIOSK Topkapi Palace, Istanbul. 1638.

ILLUMINATED MANUSCRIPTS AND *TUGRAS*. A combination of abstract setting with realism in figures and details characterizes Ottoman painting. Ottoman painters adopted the style of the Herat School (influenced by Timurid conventions) for their miniatures, enhancing its decorative aspects with an intensity of religious feeling. At the Ottoman court of Sultan Suleyman in Istanbul, the imperial workshops produced remarkable illuminated manuscripts.

Following a practice begun by the Saljuqs and Mamluks, the Ottomans put calligraphy to political use, developing the design of imperial ciphers—tugras—into a specialized art form. Ottoman tugas combined the ruler's name and title with the motto "Eternally Victorious" into a monogram denoting the authority of the sultan and of those select officials who were also granted an emblem. Tugas appeared on seals, coins, and buildings, as well as on official documents called frmans, imperial edicts supplementing Muslim law. Suleyman issued hundreds of edicts, and a high court official supervised specialist calligraphers and illuminators who produced the documents with fancy tugas (FIG. 8–26).

Tugas were drawn in black or blue with three long, vertical strokes to the right of two concentric horizontal teardrops. Decorative foliage patterns fill the space. Fill decoration became more naturalistic by the 1550s and in later centuries spilled outside the emblems' boundary lines. The rare, oversized tuga below has a sweeping, fluid line drawn with perfect control according to set proportions. The color scheme of delicate floral interlace enclosed in the body of the tuga may have been inspired by Chinese blue-and-white ceramics; similar designs appear on Ottoman ceramics and textiles.



# 8-26 • ILLUMINATED TUGRA OF SULTAN SULEYMAN

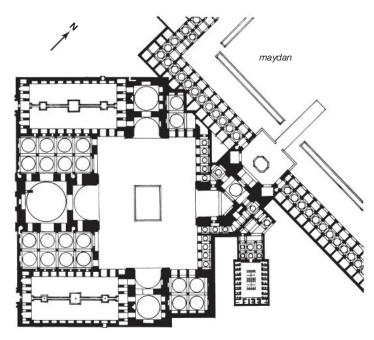
From Istanbul, Turkey. c. 1555–1560. Ink, paint, and gold on paper, removed from a firman and trimmed to  $20\frac{1}{2}\times25\frac{9}{8}$ " (52 × 64.5 cm). Metropolitan Museum of Art, New York. Rogers Fund, 1938 (38.149.1)

The *tugra* shown here is from a document endowing an institution in Jerusalem that had been established by Suleyman's powerful wife, Hurrem.

#### THE SAFAVID DYNASTY

Whereas the Ottomans took their inspiration from regional cultures such as that of the Byzantine Empire, the Safavids looked to the Timurid architecture of tall, double-shell domes, sheathed in blue tiles. In the Safavid capital of Isfahan, the typically Timurid taste for modular construction re-emerged on a grand scale that extended well beyond works of architecture to include avenues, bridges, public spaces, and gardens. To the preexisting city of Isfahan, the Safavid Shah Abbas I (1588–1629) added an entirely new extension, planned around an immense central plaza (*maydan*) and a broad avenue, called the Chahar Bagh, that ran through a zone of imperial palace pavilions and gardens down to the river. The city's prosperity and beauty so amazed visitors who flocked from around the world to conduct trade and diplomacy that it led to the popular saying, "Isfahan is half the world."

With the Mas jid-i Shah (1611–1638) in Isfahan, the four-iwan plan mosque reached its apogee (FIGS. 8–27, 8–28). Stately and huge, it anchors the south end of the city's maydan. Its 90-foot portal is aligned with the maydan, which is oriented astrologically,



8-27 • PLAN OF THE MASJID-I SHAH



**8-28 • MASJID-I SHAH, ISFAHAN** 1611–1638.

Four *iwan*s with *pishtaq* frames face onto the courtyard, and a fifth faces the *maydan*. The tall bulbous dome behind the *qibla iwan* and the large *pishtaq*s are pronounced vertical elements that made royal patronage visible not only from the far end of the *maydan* but throughout the city and beyond.

SEE MORE: View a video about Masjid-i Shah www.myartslab.com

# **TECHNIQUE** | Carpet Making

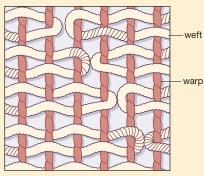
Because textiles are made of organic materials that are destroyed through use, very few carpets from before the sixteenth century have survived. There are two basic types of carpet: flat-weave carpets and pile, or knotted, carpets. Both can be made on either vertical or horizontal looms.

The best-known flat-weaves today are kilims, which are typically woven in wool with bold, geometric patterns and sometimes with brocaded details. Kilim weaving is done with a **tapestry** technique called slit tapestry (see a).

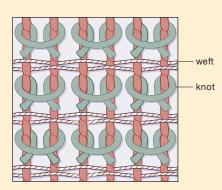
Knotted carpets are an ancient invention. The oldest known example, excavated in Siberia and dating to the fourth or fifth century BCE, has designs evocative of Achaemenid art, suggesting that the technique may have originated in Central Asia. In knotted carpets, the pile—the plush, thickly tufted surface—is made by tying colored strands of yarn, usually wool but occasionally silk for deluxe carpets, onto the vertical elements (the warp) of a yarn grid (see b and c).

These knotted loops are later trimmed and sheared to form the plush pile surface of the carpet. The **weft** strands (crosswise threads) are shot horizontally, usually twice, after each row of knots is tied, to hold the knots in place and to form the horizontal element common to all woven structures. The weft is usually an undyed yarn and is hidden by the colored knots of the warp. Two common knot tying techniques are the asymmetrical knot, used in many carpets from Iran, Egypt, and Central Asia (formerly termed the Sehna knot), and the symmetrical knot (formerly called the Gördes knot) more commonly used in Anatolian Turkish carpet weaving. The greater the number of knots, the shorter the pile. The finest carpets can have as many as 2,400 knots per square inch, each one tied separately by hand.

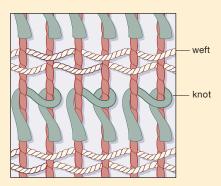
Although royal workshops produced luxurious carpets (SEE FIG. 8–29), most knotted rugs have traditionally been made in tents and homes. Depending on local custom, either women or men wove carpets.



a. Kilim weaving pattern used in



b. Symmetrical knot, used extensively in Turkey



c. Asymmetrical knot, used extensively in Iran

but then turns to conform to the prayer hall, which is oriented to Mecca. The portal's great *iwan* is framed by a *pishtaq* (a rectangular panel framing an *iwan*) that rises above the surrounding walls, slender minarets enhancing its soaring verticality. The hood is filled with *muqarnas* and covered with glazed tiles with vine and flower motifs. The *iwan*'s profile is imitated and repeated by the doubletiered *iwans* that parade across the façade of the mosque courtyard and the *maydan* as a whole. Achieving unity through the regular replication of a single element—the arch—is a hallmark of Safavid architecture. The Masjid-i Shah represents the culmination of Timurid aesthetics, but achieved on an unprecedented scale and integrated within a well-planned urban setting.

The Safavid period was also a golden age of carpet making (see "Carpet Making," above). Shah Abbas built workshops in Isfahan and Kashan that produced large, costly carpets that were often signed—indicating the weaver's growing prestige. Among the types produced were the medallion, centered around a sun or star, and the garden carpet, which represents Paradise as a shady garden with four rivers. Laid out on the floor of an open-air hall, and per-

haps set with bowls of ripe fruit and other delicacies, such carpets brought the beauty of nature indoors. Written accounts indicate that elaborate patterns appeared on Persian carpets as early as the seventh century. In one fabled royal carpet, garden paths were rendered in real gold, leaves were modeled with emeralds, and highlights on flowers, fruits, and birds were created from pearls and jewels. There were close parallels between carpet making and other arts: Many works of Islamic art represent flowers to evoke both garden and paradisiac associations.

The seventeenth-century Wagner Carpet is an extraordinarily sumptuous garden carpet made of wool pile (FIG. 8–29). It represents a dense field of trees (including cypresses) and flowers, populated with birds, animals, and even fish, and traversed by three large water channels that form an H with a central pool at the center. The carpet fascinates not only for the fact that so simple a technique as a knotted yarn can produce such complex, layered designs, but also for the combination of perspectives: From above, the carpet resembles a plan, but the trees are shown in profile, as if from ground level.



8-29 • WAGNER CARPET

From Iran. 17th century. Wool pile, cotton warp, cotton and wool weft,  $17'5'' \times 13'11''$  (5.31  $\times$  4.25 m). Burrell Collection, Glasgow.

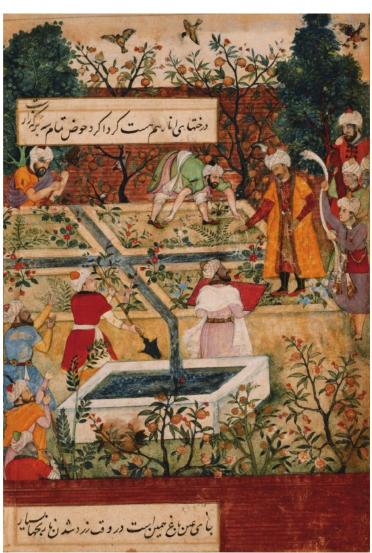
When this extraordinarily detailed large carpet was laid on the floor of a palace or wealthy home, it gave the illusion of a garden underfoot. Natural motifs in carpets, textiles, and tiled walls, together with large windows and porches offering delightful vistas, invited the outdoors inside and blurred any distinction between them.

Rugs have long been used for Muslim prayer, which involves repeatedly kneeling and touching the forehead to the floor before God. While individuals often had their own small prayer rugs, with representations of niches to orient the faithful in prayer, many mosques were furnished with wool-pile rugs received as pious donations (the floor of the Selimiye Mosque would have had such rugs). In Islamic houses, people sat and slept on cushions, carpets, and thick mats laid directly on the floor, so cushions took the place of the fixed furnishings of Western domestic environments. From the late Middle Ages to today, carpets and textiles are one of the predominant Islamic arts and the Islamic art form best known in the West. Historically, rugs from Iran, Turkey, and elsewhere were highly valued by Westerners, who often displayed them on tables rather than floors.

#### MUGHAL DYNASTY

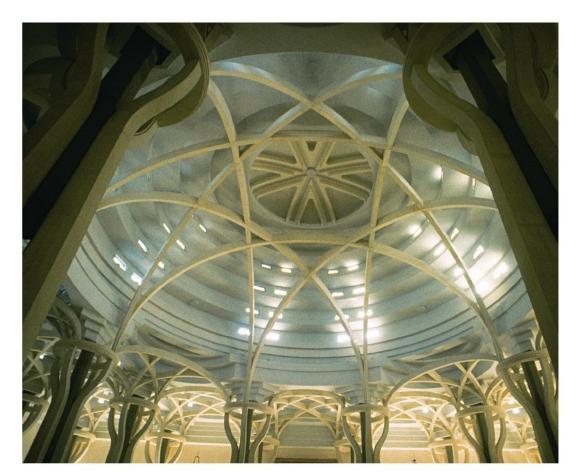
Like the Safavids in Iran, the Mughals brought Timurid models with them from Central Asia into Hindustan. Although Islam had flourished in the Delhi region from the early thirteenth century onward, the Mughals unified the Muslim- and Hindu-ruled states of north India into an empire (see Chapter 23). The illustrations of the emperor Babur's memoirs, the *Baburnama*, show his active patronage of forms such as the *chahar bagh* four-part garden plan. In FIGURE 8–30, Babur—in an orange robe and turban—oversees the construction of a walled garden in Kabul, teeming with fruit trees and flowers. Babur had been raised in an environment thoroughly saturated with the Timurid artistic legacy of *iwans* with *pishtaq* frames, tall bulbous domes, modular planning, axial symmetry, and the *chahar bagh*. His introduction of such forms into South Asia culminated several generations later in the Taj Mahal (SEE FIG. 23–1).





**8-30** • Bishnadas "BABUR BUILDS THE BAGH-I WAFA," FROM THE BABURNAMA India. c. 1590. Gouache and gold on paper,  $8\frac{5}{8} \times 5\frac{5}{6}$ " (21.9  $\times$  14.4 cm). Victoria & Albert Museum, London. IM.276-1913, f. 276

The Mughal emperor Babur, on the right, gestures to his architect who holds a red board with grid lines—reflecting the legacy of Timurid modular planning—while workmen measure and shovel, their leggings rolled up to their knees.



8-31 • Paolo Portoghesi, Vittorio Gigliotti, and Sami Mousawi ISLAMIC MOSQUE AND CULTURAL CENTRE, ROME 1984-1992.

The prayer hall (197  $\times$  13 feet/  $60 \times 40$  meters), which has an ablution area on the floor below, can accommodate a congregation of 2,500 on its main floor and balconies. The large central dome ( $65^1$ /<sub>2</sub> feet/ 20 meters in diameter) is surrounded by 16 smaller domes, all similarly articulated with concrete ribs.

### THE MODERN ERA

The twentieth century saw the dissolution of the great Islamic empires and the formation of smaller nation-states in their place. The question of identity and its expression in art changed significantly as Muslim artists and architects sought training abroad and participated in an international movement that swept away many of the visible signs that formerly expressed their cultural character and difference. The abstract work of the architect Zaha Hadid (SEE FIG. 32-55), who was born in Baghdad and studied and practiced in London, is exemplary of the new internationalism. Other architects sought to reconcile modernity with an Islamic cultural identity that was distinct from the West. Thus the Iraqi architect Sami Mousawi and the Italian firm of Portoghesi-Gigliotti designed the Islamic Centre in Rome (completed 1992) with clean modern lines, exposing the structure while at the same time taking full advantage of opportunities for ornament (FIG. 8-31). The structural logic appears in the prayer hall's columns, made of concrete with an aggregate of crushed Carrara marble. These rise to meet abstract capitals in the form of plain rings, then spring upward to make a geometrically dazzling eight-pointed star supporting a dome of concentric circles. There are references here to the interlacing ribs of the mihrab dome in the Great Mosque of Cordoba, to the great domed spans of Sinan's prayer halls, and to the simple palm-tree trunks that supported the roof of the Mosque of the Prophet in Medina.

### THINK ABOUT IT

- 8.1 The Islamic Empire rapidly spread east to India and west to Spain. Explain how the form of the mosque varies among the far-flung lands of the empire with reference to three examples. Despite the contrasts, what features do mosques typically have in common?
- **8.2** Select an Islamic structure discussed in this chapter that is influenced by Rome and/or Byzantium, and note which forms are borrowed and how, in their new Islamic context, they are transformed.
- **8.3** What is a *tugra*? Although it is a secular art form, how is it linked to Islamic religious art traditions?
- **8.4** Islamic art has no images of people in religious contexts. Instead, what decorative motifs and techniques are used?
- 8.5 Discuss the spread of carpet making within the rapidly growing Islamic Empire. Can you discern any geographical features that would have expedited the sharing of carpetmaking techniques and specific styles? Use the map on page 263.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



9-1 • ASHOKAN PILLAR Lauriya Nandangarh, Bihar, India. Maurya period, c. 246 BCE.

# ART OF SOUTH AND SOUTHEAST ASIA BEFORE 1200

According to legend, the ruler Ashoka (r. 273-232 BCE) was stunned by grief and remorse as he looked across the battlefield. As was the custom of his dynasty, he had gone to war, expanding his empire until he had conquered many of the kingdoms that had comprised the Indian subcontinent. Now, about 265 BCE, after the final battle in his conquest of the northern kingdoms, he was suddenly-unexpectedly-shocked by the horror of the suffering he had caused. In the traditional account, it is said that only one form on the battlefield moved: The stooped figure of a Buddhist monk slowly making his way through the carnage. Watching this spectral figure, Ashoka abruptly turned the moment of triumph into one of renunciation. Decrying violence and warfare, he vowed to become a chakravartin ("world-conquering ruler"), not through the force of arms but through spreading the teachings of the Buddha and establishing Buddhism as the major religion of his realm.

Although there is no proof that Ashoka himself converted to Buddhism, he erected and dedicated monuments to the Buddha throughout his empire—shrines, monasteries, and the columns commonly called **Ashokan pillars (Fig. 9–1)**. With missionary ardor, he dispatched delegates throughout the Indian subcontinent and to countries as distant as Syria, Egypt, and Greece. In his impassioned propagation of Buddhism, perhaps as a means of securing his enormous empire, Ashoka stimulated an intensely rich period of art.

Despite the emissaries he sent and his widespread placement of inscriptions on the face of large rocks, his pillars are few in number and quite concentrated in location. Only eight can be attributed to Ashoka's time by the inscriptions they bear, although several other pillars are commonly assigned to this period. Most were placed at the site of Buddhist monasteries along a route leading from Punjab in the northwest to Ashoka's capital, Pataliputra, in the northeast. One pillar some distance from this route, at Sanchi, suggests that others, perhaps not yet discovered, may have been placed along a more southerly path.

Not only are the pillars the first sculptural remains in India after a hiatus of some 1,600 years, but their inscriptions are the first preserved Indian writing that we can read and interpret. The script, known as Brahmi, was deciphered in 1837 by James Prinsep, a brilliant amateur scholar who served the East India Company as assay master of the Calcutta mint. He discovered that the inscriptions were written in Prakrit, a language closely related to classical Sanskrit, and that they set down laws of righteous behavior for the monks and nuns resident in the monasteries where the pillars were erected, as well as for passing travelers. Like so many aspects of Indian art, these pillars raise intriguing questions that have yet to be answered, most notably: How could such pillars be made in the absence of any known precedent?

### **LEARN ABOUT IT**

- **9.1** Recognize the characteristic differences between a Hindu temple and a Buddhist stupa.
- **9.2** Appreciate the diffusion of religion in Southeast Asia.
- **9.3** Understand the correlation between religious worldviews and architectural form.
- 9.4 Assess the variety of ways in which storytelling can be accomplished in pictorial art.
- 9.5 Identify the distinguishing features of a Buddha image.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

### THE INDIAN SUBCONTINENT

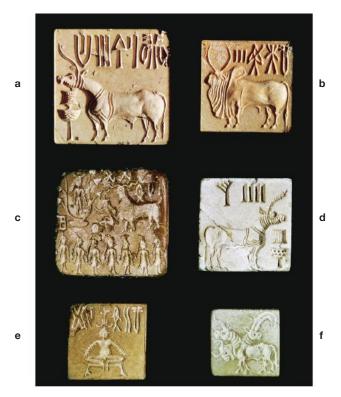
The South Asian subcontinent, or Indian subcontinent, as it is commonly called, is a peninsular region that includes the presentday countries of India, Afghanistan, Pakistan, Nepal, Bhutan, Bangladesh, and Sri Lanka (MAP 9-1). From the beginning, these areas have been home to societies whose cultures are closely linked and which have maintained remarkable continuity over time. (South Asia is distinct from Southeast Asia, which includes Brunei, Myanmar, Cambodia, East Timor, Indonesia, Laos, Malaysia, the Philippines, Singapore, Thailand, and Vietnam.) Although the modern Republic of India is about a third the size of the United States, South Asia as a whole is about two-thirds its size. A low mountain range, the Vindhya Hills, acts as a natural division that separates north India from south India. On the northern border rises the protective barrier of the Himalayas, the world's highest mountains. To the northwest are other mountains through whose passes came invasions and immigrations that profoundly affected the civilization of the subcontinent. Over these passes, too, wound the major trade routes that linked the Indian subcontinent by land to the rest of Asia and to Europe. Surrounded on its remaining sides by oceans since ancient times, the subcontinent has also been connected to the world by maritime trade, and during much of the period under discussion here it formed part of a coastal trading network that extended from eastern Africa to China.

Differences in language, climate, and terrain within India have fostered distinct regional and cultural characteristics and artistic traditions. However, despite such diversity, several overarching traits tend to unite Indian art. Most evident is a distinctive sense of beauty, with voluptuous forms and a profusion of ornament, texture, and color. Visual abundance is considered auspicious, and it reflects a belief in the generosity and favor of the gods. Another characteristic is the pervasive symbolism that enriches all Indian arts with intellectual and emotional layers. Third, and perhaps most important, is an emphasis on capturing the vibrant quality of a world seen as infused with the dynamics of the divine. Gods and humans, ideas and abstractions, are given tactile, sensuous forms, radiant with inner spirit.

### INDUS CIVILIZATION

The earliest civilization of South Asia was nurtured in the lower reaches of the Indus River, in present-day Pakistan and in north-western India. Known as the Indus or Harappan civilization (after Harappa, the first-discovered site), it flourished from approximately 2600 to 1900 BCE, or during roughly the same time as the Old Kingdom period of Egypt, the Minoan civilization of the Aegean, and the dynasties of Ur and Babylon in Mesopotamia. Indeed, it is considered, along with Egypt and Mesopotamia, to be one of the world's earliest urban river-valley civilizations.

It was the chance discovery in the late nineteenth century of some small seals, such as those in **FIGURE 9-2**, that provided the



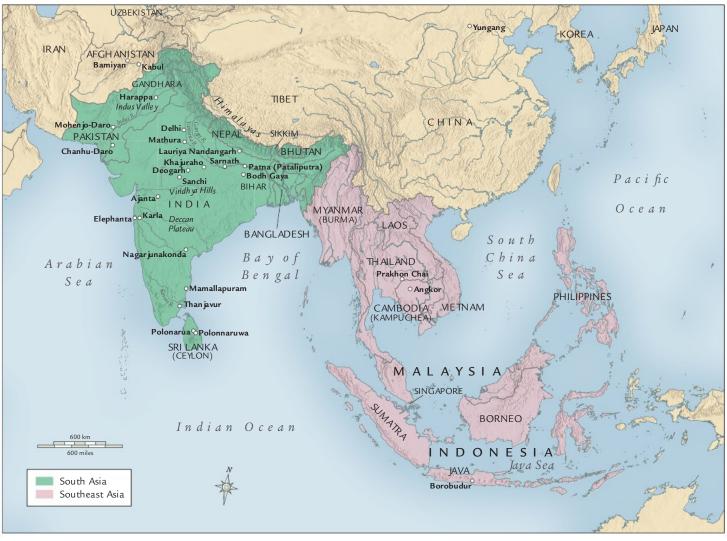
#### 9-2 • SEAL IMPRESSIONS

a., d. horned animal; b. buffalo; c. sacrificial rite to a goddess (?); e. yogi; f. three-headed animal. Indus Valley civilization, c. 2500–1500 BCE. Steatite, each seal approx.  $1\frac{1}{4} \times 1\frac{1}{4}$ " (3.2 × 3.2 cm).

The more than 2,000 small seals and impressions that have been found offer an intriguing window on the Indus Valley civilization. Usually carved from steatite stone, the seals were coated with alkali and then fired to produce a lustrous, white surface. A perforated knob on the back of each may have been for suspending them. The most popular subjects are animals, most commonly a one-horned bovine standing before an altarlike object (a, d). Animals on Indus Valley seals are often portrayed with remarkable naturalism, their taut, well-modeled surfaces implying their underlying skeletons. The function of the seals remains enigmatic, and the script that is so prominent in the impressions has yet to be deciphered.

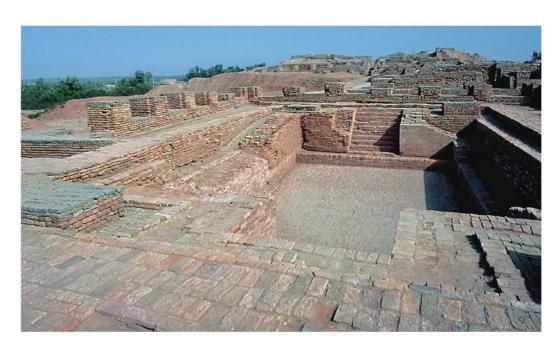
first clue that an ancient civilization had existed in this region. The seals appeared to be related to, but not the same as, seals known from ancient Mesopotamia (SEE FIG. 2–5). Excavations begun in the 1920s and continuing into the present subsequently uncovered a number of major urban areas at points along the lower Indus River, including Harappa, Mohen jo-Daro, and Chanhu-Daro.

MOHENJO-DARO. The ancient cities of the Indus Valley resemble each other in design and construction, suggesting a coherent culture. At Mohenjo-Daro, the best preserved of the sites, archaeologists discovered an elevated citadel area about 50 feet high, presumably containing important government structures, surrounded by a wall. Among the buildings is a remarkable water tank, a large watertight pool that may have been a public bath but could also have had a ritual use (FIG. 9–3). Stretching out below the elevated area was the city, arranged in a gridlike plan with wide avenues and narrow side streets. Its houses, often two stories high, were generally built



MAP 9-1 • SOUTH AND SOUTHEAST ASIA

The borders of India are created by natural features, with the Himalayas to the north and the Indian Ocean on the remaining borders. Nearly all the rivers in the region flow east—west and are an important conduit for trade and new ideas.



9-3 • LARGE WATER
TANK, MOHENJO-DARO
Indus Valley civilization (Harappan),
c. 2600–1900 BCE.

Possibly a public or ritual bathing area.

around a central courtyard. Like other Indus Valley cities, Mohen jo-Daro was constructed of fired brick, in contrast to the less durable sun-dried brick used in other cultures of the time. The city included a network of covered drainage systems that channeled away waste and rainwater. Clearly the technical and engineering skills of this civilization were highly advanced. At its peak, about 2500 to 2000 BCE, Mohen jo-Daro was approximately 6–7 square miles in size and had a population of about 20,000–50,000.

INDUS VALLEY SEALS. Although our knowledge of the Indus civilization is limited by the fact that we cannot read its writing, motifs on seals as well as the few artworks that have been discovered

9-4 • TORSO OF A "PRIEST-KING"
From Mohenjo-Daro. Indus Valley civilization, c. 2600–1900 BCE.
Steatite, height 6<sup>7</sup>%" (17.5 cm). National Museum of Pakistan, Karachi.

strongly suggest continuities with later South Asian cultures. The seal in FIGURE 9–2e, for example, depicts a man in the meditative posture associated in Indian culture with a yogi, one who seeks mental and physical purification and self-control, usually for spiritual purposes. In FIGURE 9–2c, the persons with elaborate headgear in a row or procession observe a figure standing in a tree—possibly a goddess—and a kneeling worshiper. This scene may offer some insight into the religious or ritual customs of Indus people, whose deities may have been ancient prototypes of later Indian gods and goddesses.

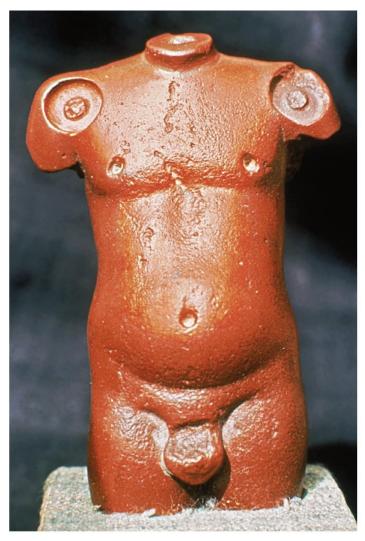
Numerous terra-cotta figurines and a few stone and bronze statuettes have been found at Indus sites. They reveal a confident

maturity of artistic conception and technique. The terra cottas resemble Mesopotamian art in their motifs and rather abstract rendering. On the other hand, the stone figures foreshadow the later Indian artistic tradition in their sensuous naturalism.

"PRIEST-KING" FROM MOHENJO-DARO. identity of the male torso in FIGURE 9-4, sometimes called the "priest-king," is uncertain, suggesting a structure of society—where priests functioned as kings—for which we have no evidence at all. Several features of this figure, including a low forehead, a broad nose, thick lips, and long slit eyes, are seen on other works from Mohen jo-Daro. The man's garment is patterned with a trefoil (three-lobed) motif. The depressions of the trefoil pattern were originally filled with red paint, and the eyes were inlaid with colored shell or stone. A narrow band with a circular ornament encircles the upper arm and the head. It falls in back into two long strands and may be an indication of rank. Certainly, with its formal pose and simplified, geometric form, the statue conveys a commanding human presence.

NUDE TORSO FROM HARAPPA. Although its date is disputed by some, a nude male torso found at Harappa is an example of a contrasting naturalistic style (FIG. 9–5) of ancient Indus origins. Less than 4 inches tall, it is one of the most extraordinary portrayals of the human form to survive from any early civilization. In contrast to the more athletic male ideal developed much later in ancient Greece, this sculpture emphasizes the soft texture of the human body and the subtle nuances of muscular form. The abdomen is relaxed in the manner of a yogi able to control his breath. With these characteristics the Harappa torso forecasts the essential aesthetic attributes of later Indian sculpture.

The reasons for the demise of this flourishing civilization are not yet understood. All we know is



9-5 • TORSO
From Harappa. Indus Valley civilization, c. 2600–1900 BCE. Red sandstone, height 334" (9.5 cm). National Museum, New Delhi.

that between 2000 and 1750—possibly because of climate change, a series of natural disasters, and invasions—the cities of the Indus civilization declined, and predominantly rural societies evolved.

### THE VEDIC PERIOD

About 2000 BCE nomadic shepherds, the Aryans, entered India from central Asia and the Russian steppes. Gradually they supplanted the indigenous populations and introduced the horse and chariot, the Sanskrit language, a hierarchical social order, and religious practices that centered on the propitiation of gods through fire sacrifice. Their sacred writings known as the Vedas, gave the period its name. The earliest Veda consists of hymns to various Aryan gods including the divine king Indra. The importance of the fire sacrifice, overseen by a powerful priesthood—the Brahmins—and religiously sanctioned social classes, persisted through the Vedic period. At some point, the class structure became hereditary and immutable, with lasting consequences for Indian society.

During the latter part of this period, from about 800 BCE, the Upanishads were composed. These metaphysical texts examine the meanings of the earlier, more cryptic Vedic hymns. They focus on the relationship between the individual soul, or atman, and the universal soul, or Brahman, as well as on other concepts central to subsequent Indian philosophy. One is the assertion that the material world is illusory and that only Brahman is real and eternal. Another holds that our existence is cyclical and that beings are caught in samsara, a relentless cycle of birth, life, death, and rebirth. Believers aspire to attain liberation from samsara and to unite the individual atman with the eternal, universal Brahman.

The latter portion of the Vedic period also saw the flowering of India's epic literature, written in the melodious and complex Sanskrit language. By around 400 BCE, the 18-volume *Mahabharata*, the longest epic in world literature, and the *Ramayana*, the most popular and enduring religious epic in India and Southeast Asia, were taking shape. These texts, the cornerstones of Indian literature, relate histories of gods and humans that bring the philosophical ideas of the Vedas to a more accessible and popular level.

In this stimulating religious, philosophical, and literary climate numerous religious communities arose. The most influential teachers of these times were Shakyamuni Buddha and Mahavira. The Buddha, or "enlightened one," lived and taught in India around 500 BCE; his teachings form the basis of the Buddhist religion (see "Buddhism," page 297). Mahavira (c. 599–527 BCE), regarded as the last of 24 highly purified superbeings called pathfinders (tirthankaras), was the founder of the Jain religion. Both Shakyamuni Buddha and Mahavira espoused some basic Upanishadic tenets, such as the cyclical nature of existence and the need for liberation from the material world. However, they rejected the authority of the Vedas, and with it the legitimacy of the fire sacrifice and the hereditary class structure of Vedic society, with its powerful, exclusive priesthood. In contrast, Buddhism and Jainism were open to all, regardless of social position.

Buddhism became a vigorous force in South Asia and provided the impetus for much of the major surviving art created between the third century BCE and the fifth century CE. The Vedic tradition, meanwhile, continued to evolve, emerging later as Hinduism, a loose term that encompasses the many religious forms that resulted from the mingling of Vedic culture with indigenous beliefs (see "Hinduism," page 298).

### THE MAURYA PERIOD

After about 700 BCE, cities again began to reappear on the subcontinent, especially in the north, where numerous kingdoms arose. For most of its subsequent history, India was a shifting mosaic of regional kingdoms. From time to time, however, a particularly powerful dynasty formed an empire. The first of these was the Maurya dynasty (c. 322–185 BCE), which extended its rule over all but the southernmost portion of the subcontinent.



**9-6 • FEMALE FIGURE HOLDING A FLY-WHISK**From Didarganj, Patna, Bihar, India. Probably Maurya period, c. 250 BCE.
Polished sandstone, height 5'414" (1.63 m). Patna Museum, Patna.

Commonly identified as a vakshi, this sculpture has become one of the most famous works of Indian art. Holding a fly-whisk in her raised right hand, the figure wears only a long shawl and a skirtlike cloth. The cloth rests low on her hips, held in place by a girdle. Subtly sculpted parallel creases indicate that it is gathered closely about her legs. The ends, drawn back up over the girdle, cascade down to her feet in a broad, central loop of flowing folds ending in a zigzag of hems. Draped low over her back, the shawl passes through the crook of her arm and then flows to the ground. (The missing left side of the shawl probably mirrored this motion.) The figure's jewelry is prominent. A double strand of pearls hangs between her breasts, its shape echoing and emphasizing the voluptuous curves of her body. Another strand of pearls encircles her neck. She wears a simple tiara, plug earrings, and rows of bangles. The nubbled tubes about her ankles probably represent anklets made of beaten gold. Her hair is bound behind in a large bun, and a small bun sits on her forehead. This hairstyle appears again in Indian sculpture of the later Kushan period (c. second century CE).

FEMALE FIGURE FROM DIDARGANJ. The art of the Maurya period reflects an age of heroes. At this time emerged the ideal of upholding *dharma*, the divinely ordained moral law believed to keep the universe from falling into chaos. This heroic ideal seems fully embodied in a life-size statue found at Didarganj near the Maurya capital of Pataliputra (FIG. 9–6). The statue, dated by most scholars to the Maurya period, probably represents a **yakshi**, a spirit associated with the productive forces of nature. With its large breasts and pelvis, the figure embodies the association of female beauty with procreative abundance, bounty, and auspiciousness—qualities that in turn reflect the generosity of the gods and the workings of *dharma* in the world.

Sculpted from fine-grained sandstone, the statue conveys the yakshi's authority through the frontal rigor of her pose, the massive volumes of her form, and the strong, linear patterning of her



9-7 • LION CAPITAL

From Ashokan pillar at Sarnath, Uttar Pradesh, India. Maurya period, c. 250 BCE. Polished sandstone, height  $7^\prime$  (2.13 m). Archaeological Museum, Sarnath.



# ART AND ITS CONTEXTS

### **Buddhism**

The Buddhist religion developed from the teachings of Shakyamuni Buddha, who lived from about 563 to 483 BCE in the present-day regions of Nepal and northern India. At his birth, it is believed, seers foretold that the infant prince, named Siddhartha Gautama, would become either a *chakravartin* ("world-conquering ruler") or a *buddha* ("fully enlightened being"). Hoping for a ruler like himself, Siddhartha's father tried to surround his son with pleasure and shield him from pain. Yet the prince was eventually exposed to the sufferings of old age, sickness, and death—the inevitable fate of all mortal beings. Deeply troubled by the human condition, Siddhartha at age 29 left the palace, his family, and his inheritance to live as an ascetic in the wilderness. After six years of meditation, he attained complete enlightenment at a site in India now called Bodh Gaya.

Following his enlightenment, the Buddha ("Enlightened One") gave his first teaching in the Deer Park at Sarnath. Here he expounded the Four Noble Truths that are the foundation of Buddhism: (1) life is suffering; (2) this suffering has a cause, which is ignorance; (3) this ignorance can be overcome and extinguished; (4) the way to overcome this ignorance is by following the eightfold path of right view, right resolve, right speech, right action, right livelihood, right effort, right mindfulness, and right concentration. After the Buddha's death at age 80, his many disciples developed his teachings and established the world's oldest monastic institutions.

A buddha is not a god but rather one who sees the ultimate nature of the world and is therefore no longer subject to *samsara*, the cycle of

birth, death, and rebirth that otherwise holds us in its grip, whether we are born into the world of the gods, humans, animals, demons, tortured spirits, or hellish beings.

The early form of Buddhism, known as Theravada or Hinayana, stresses self-cultivation for the purpose of attaining nirvana, which is the extinction of samsara for oneself. Theravada Buddhism has continued mainly in Sri Lanka and Southeast Asia. Within 500 years of the Buddha's death, another form of Buddhism, known as Mahayana, became popular mainly in northern India; it eventually flourished in China, Korea, Japan, and in Tibet (as Vajrayana). Compassion for all beings is the foundation of Mahayana Buddhism, whose goal is not nirvana for oneself but buddhahood (enlightenment) for every being throughout the universe. Mahayana Buddhism recognizes buddhas other than Shakyamuni from the past, present, and future. One such is Maitreya, the next buddha to appear on earth. Another is Amitabha Buddha, the Buddha of Infinite Light and Infinite Life (that is, incorporating all space and time), who dwells in a paradise known as the Western Pure Land. Amitabha Buddha became particularly popular in east Asia. Mahayana Buddhism also developed the category of bodhisattvas ("those whose essence is wisdom"), saintly beings who are on the brink of achieving buddhahood but have vowed to help others achieve buddhahood before crossing over themselves. In art, bodhisattvas and buddhas are most clearly distinguished by their clothing and adornments: bodhisattvas wear the princely garb of India, while buddhas wear monks' robes.

EXPLORE MORE: Gain insight from a primary source of words spoken by the Buddha www.myartslab.com

ornaments and dress. Alleviating and counterbalancing this hierarchical formality are her soft, youthful face, the precise definition of prominent features such as the stomach muscles, and the polished sheen of her exposed flesh. This lustrous polish is a special feature of Maurya sculpture.

THE RISE OF BUDDHISM. During the reign of the third Maurya emperor Ashoka (ruled c. 273–232 BCE), Buddhism was expanded from a religion largely localized in the Maurya heartland, a region known as Magadha, to one extending across the entire empire. Among the monuments he erected were monolithic pillars set up primarily at the sites of Buddhist monasteries.

Pillars may have been used as flag-bearing standards in India since earliest times. Thus the creators of the pillars erected during Ashoka's reign may have adapted this already ancient form to the symbolism of Indian creation myths and the new religion of Buddhism. The fully developed Ashokan pillar—a slightly tapered sandstone shaft that usually rested on a stone foundation slab sunk more than 10 feet into the ground—rose to a height of around 50

feet (SEE FIG. 9–1). On it were carved inscriptions relating to rules of *dharma* that ideal kings were enjoined to uphold, and that many later Buddhists interpreted as also referring to Buddhist teachings or exhorting the Buddhist community to unity. At the top, carved from a separate block of sandstone, an elaborate capital bore animal sculpture. Both shaft and capital were given the characteristic Maurya polish. Scholars believe that the pillars symbolized the **axis mundi** ("axis of the world"), joining earth with the cosmos. It represented the vital link between the human and celestial realms, and through it the cosmic order was impressed onto the terrestrial.

LION CAPITAL FROM SARNATH. The capital in FIGURE 9–7 originally crowned the pillar erected at Sarnath in north central India, the site of the Buddha's first sermon. The lowest portion represents the down-turned petals of a lotus blossom. Because the lotus flower emerges from murky waters without any mud sticking to its petals, it symbolizes the presence of divine purity in the imperfect world. Above the lotus is an **abacus** (the slab forming the top of a capital) embellished with low-relief carvings



# ART AND ITS CONTEXTS

### Hinduism

Hinduism is not one religion but many related beliefs and innumerable sects. It results from the mingling of Vedic beliefs with indigenous, local beliefs and practices. All three major Hindu sects draw upon the texts of the Vedas, which are believed to be sacred revelations set down about 1200–800 BCE. The gods lie outside the finite world, but they can appear in visible form to believers. Each Hindu sect takes its particular deity as supreme. By worshiping gods with rituals, meditation, and intense love, individuals may be reborn into increasingly higher positions until they escape the cycle of life, death, and rebirth, which is called samsara. The most popular deities are Vishnu, Shiva, and the Great Goddess, Devi. Deities are revealed and depicted in multiple aspects.

Vishnu: Vishnu is a benevolent god who works for the order and well-being of the world. He is often represented lying in a trance or asleep on the Cosmic Waters, where he dreams the world into existence. His symbols are the wheel and a conch shell, the mace and lotus. He usually has four arms and wears a crown and lavish jewelry. He rides a man-bird, Garuda. Vishnu appears in ten different incarnations, including Rama and Krishna, who have their own sects. Rama embodies virtue, and, assisted by the monkey king, he fights the demon Ravana. As Krishna, Vishnu is a supremely beautiful, blueskinned youth who lives with the cowherds, loves the maiden Radha, and battles the demon Kansa.

**Shiva:** Shiva is both creative and destructive, light and dark, male and female. His symbol is the *linga*, an upright phallus, which is represented as a low pillar. As an expression of his power and creative energy, he is often represented as Lord of the Dance, dancing the Cosmic Dance, the endless cycle of death and rebirth,

destruction and creation (see "Shiva Nataraja of the Chola Dynasty," page 314). He dances within a ring of fire, his four hands holding fire, a drum, and gesturing to the worshipers. Shiva's animal vehicle is the bull. His consort is Parvati; their sons are the elephant-headed Ganesha, the overcomer of obstacles, and Karttikeya, often associated with war.

**Devi:** Devi, the Great Goddess, controls material riches and fertility. She has forms indicative of beauty, wealth, and auspiciousness, but also forms of wrath, pestilence, and power. As the embodiment of cosmic energy, she provides the vital force to all the male gods. Her symbol is an abstract depiction of female genitals, often associated with the *linga* of Shiva. When armed and riding a lion (as the goddess Durga), she personifies righteous fury. As the goddess Lakshmi, she is the goddess of wealth and beauty. She is often represented by the basic geometric forms: squares, circles, triangles.

**Brahma:** Brahma, who once had his own cult, embodies spiritual wisdom. His four heads symbolize the four cosmic cycles, four earthly directions, and four classes of society: priests (brahmins), warriors, merchants, and laborers.

There are countless other deities, but central to Hindu practice are puja (forms of worship) and darshan (beholding a deity), generally performed to obtain a deity's favor and in the hope that this favor will lead to liberation from samsara. Because desire for the fruits of our actions traps us, the ideal is to consider all earthly endeavors as sacrificial offerings to a god. Pleased with our devotion, he or she may grant us an eternal state of pure being, pure consciousness, and pure bliss.

of wheels, called in Sanskrit *chakras*, alternating with four different animals: lion, horse, bull, and elephant. The animals may symbolize the four great rivers of the world, which are mentioned in Indian creation myths. Standing on this abacus are four back-to-back lions. Facing the four cardinal directions, the lions may be emblematic of the universal nature of Buddhism and the universal currency of Ashoka's law inscribed on the pillar. Their roar might be compared with the speech of the Buddha that spreads far and wide. The lions may also refer to the Buddha himself, who is known as "the lion of the Shakya clan" (the clan into which the Buddha was born as prince). The lions originally supported a great wheel, now lost. A universal Buddhist symbol, the wheel refers to Buddhist teaching, for with his sermon at Sarnath the Buddha "set the wheel of the law [dharma] in motion." The wheel is also a symbol of the chakravartin, the ideal universal monarch, and so refers to Ashoka as well as the Buddha.

Their formal, heraldic pose imbues the lions with something of the monumental quality evident in the statue of the *yakshi* of the same period. We also find the same strong patterning of realistic

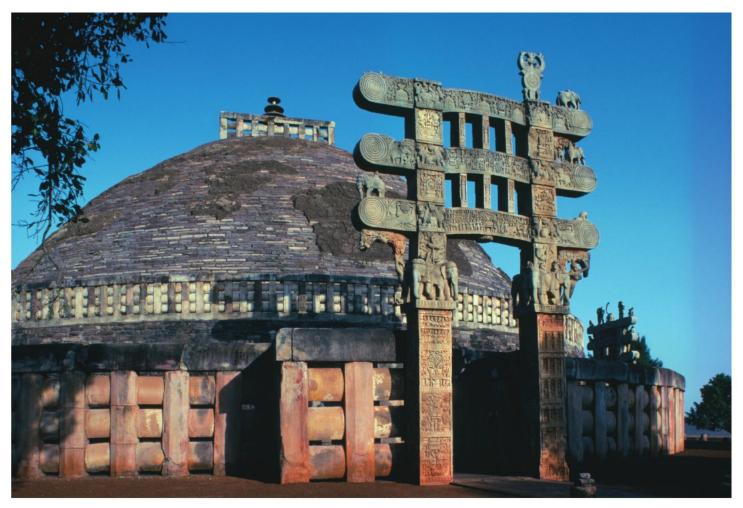
elements: Veins and tendons stand out on the legs; the claws are large and powerful; the mane is richly textured; and the jaws have a loose and fluttering edge.

# THE PERIOD OF THE SHUNGAS AND EARLY ANDHRAS

With the demise of the Maurya Empire, India returned to rule by regional dynasties. Between the second century BCE and the early first century CE, two of the most important of these dynasties were the Shunga dynasty (185–72 BCE) in central India and the Andhra dynasty (72 BCE—third century CE) who initially ruled in central India and after the first century in the south. During this period, some of the most magnificent early Buddhist structures were created.

#### **STUPAS**

Religious monuments called **stupas**, solid mounds enclosing a reliquary, are fundamental to Buddhism (see "Stupas and Temples," page 301). A stupa may be small and plain or large and elaborate. Its



9-8 • GREAT STUPA, SANCHI

Madhya Pradesh, India. Founded 3rd century BCE, enlarged c. 150-50 BCE.

SEE MORE: View a video about the Great Stupa, Sanchi www.myartslab.com

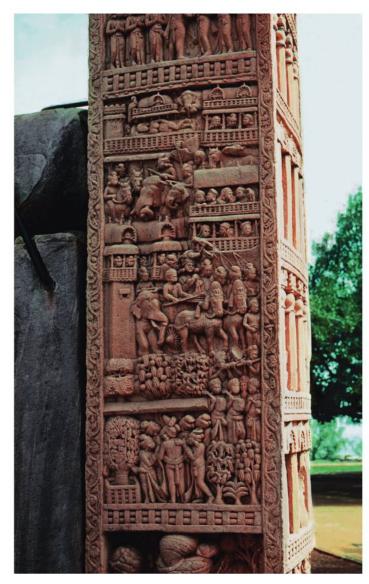
form may vary from region to region, but its symbolic meaning remains virtually the same, and its plan is a carefully calculated **mandala**, or diagram of the cosmos as it is envisioned in Buddhism. Stupas are open to all for private worship.

The first stupas were constructed to house the Buddha's remains after his cremation. According to tradition, the relics were divided into eight portions and placed in eight **reliquaries**. Each reliquary was then encased in its own burial mound, called a stupa. Since the early stupas held actual remains of the Buddha, they were venerated as his body and, by extension, his enlightenment and attainment of *nirvana* (liberation from rebirth). The method of veneration was, and still is, to circumambulate, or walk around, the stupa in a clockwise direction. In the mid third century BCE, King Ashoka is said to have opened the original eight stupas and divided their relics among many more stupas, probably including the Great Stupa at Sanchi.

THE GREAT STUPA AT SANCHI. Probably no early Buddhist structure is more famous than the **GREAT STUPA** at Sanchi in central India (FIG. 9–8). In its original form probably dating to the

time of Ashoka, the Great Stupa was part of a large monastery complex crowning a hill. During the mid second century BCE, it was enlarged to its present size, and the surrounding stone railing was constructed. About 100 years later, elaborately carved stone gateways were added to the railing.

The Great Stupa at Sanchi is a representative of the early central Indian type. Its solid, hemispherical dome was built up from rubble and dirt, faced with dressed stone, then covered with a shining white plaster made from lime and powdered seashells. The dome—echoing the arc of the sky—sits on a raised base. Around the perimeter is a walkway enclosed by a railing; an elevated walkway is approached by a staircase on the south side. As is often true in religious architecture, the railing provides a physical and symbolic boundary between an inner, sacred area and the outer, profane world. On top of the dome, another stone railing, square in shape, defines the abode of the gods atop the cosmic mountain. It encloses the top of a mast bearing three stone disks, or "umbrellas," of decreasing size. These disks have been interpreted in various ways. They may correspond to the "Three Jewels of Buddhism"—the Buddha, the Law, and the Monastic



9-9 • RELIEF FROM EAST GATEWAY OF THE GREAT STUPA, SANCHI

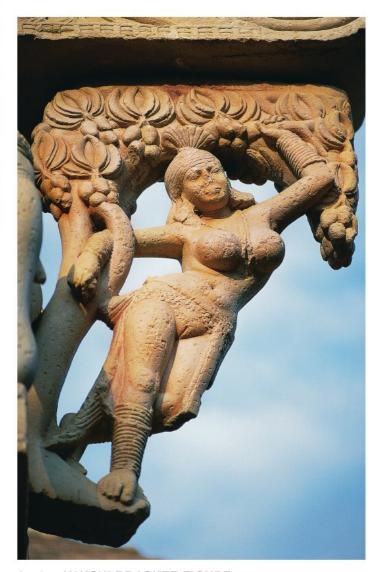
Early Andhra period, mid 1st century BCE. Stone.

This relief illustrates the birth of the Buddha at the top and the return of the Buddha to the city of his birth in the panels below.

Order—and they may also refer to the Buddhist concept of the three realms of existence: desire, form, and formlessness. The mast itself symbolizes an *axis mundi*, connecting the Cosmic Waters below the earth with the celestial realm above it and anchoring everything in its proper place.

A 10-foot-tall stone railing demarcates a circumambulatory path at ground level. Carved with octagonal uprights and lens-shaped crossbars, it probably simulates the wooden railings of the time. This design pervaded early Indian art, appearing in relief sculpture and as architectural ornament. Four stone gateways, or **toranas**, punctuate the railing. Aligned with the four cardinal directions, the gateways symbolize the Buddhist cosmos. An inscription on the south gateway indicates that it was provided by ivory carvers from the nearby town of Vidisha, while another

inscription, also on the south gateway, specifies a gift during the reign of King Satakarni of the Andhra dynasty, providing the firstcentury BCE date for the gateways. The only elements of the Great Stupa at Sanchi to be ornamented with sculpture, the gateways rise to a height of 35 feet. Their square posts and horizontal members are carved with symbols and scenes drawn mostly from the Buddha's life and the jataka tales, stories of the Buddha's past lives. A relief from the east gateway is illustrated in FIGURE 9-9. Typical of Indian narrative relief of the second and first centuries BCE, the scenes are organized not in a time sequence, but according to where they take place. Thus, at the top of this relief is a scene of Queen Maya's dream anticipating the birth of the Buddha, while below is a scene showing the Buddha's father in a chariot, riding out to greet his return, and at the bottom the Buddha, symbolized by a plank, levitates above the crowd gathered to witness the gift of a garden for the Buddha and his followers. All three of these scenes take place at Kapilavastu, the city of his birth.



9-10 • YAKSHI BRACKET FIGURE
East torana of the Great Stupa at Sanchi. Stone, height approx.
60" (152.4 cm).

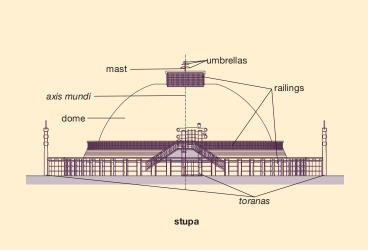
# **ELEMENTS OF ARCHITECTURE | Stupas and Temples**

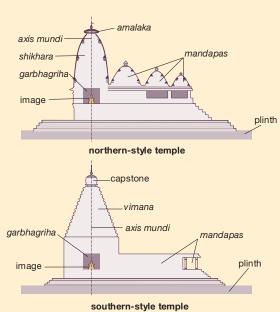
Buddhist architecture in South Asia consists mainly of stupas and temples, often at monastic complexes containing viharas (monks' cells and common areas). These monuments may be either structural—built up from the ground—or rock-cut—hewn out of a mountainside. Stupas derive from burial mounds and contain relics beneath a solid, domeshaped core. A major stupa is surrounded by a railing that creates a sacred path for ritual circumambulation at ground level. This railing is punctuated by gateways, called toranas in Sanskrit, aligned with the cardinal points. The stupa sits on a round or square terrace; stairs lead to an upper circumambulatory path around the platform's edge. On top of the stupa's dome a railing defines a square, from the center of which rises a mast supporting tiers of disk-shaped "umbrellas."

Hindu architecture in South Asia consists mainly of temples, either structural or rock-cut, executed in a number of styles and dedicated to diverse deities. The two general Hindu temple types are the northern

and southern styles prevalent in northern India and southern India respectively. Within these broad categories is great stylistic diversity, though all are raised on plinths and dominated by their superstructures. In north India, the term **shikhara** is used to refer to the entire superstructure, while in the south it refers only to the finial, that is, the uppermost member of the superstructure. North Indian *shikhara*s are crowned by **amalakas**. Inside, a series of **mandapas** (halls) leads to an inner sanctuary, the **garbhagriha**, which contains a sacred image. An *axis mundi* is imagined to run vertically up from the Cosmic Waters below the earth, through the *garbhagriha*'s image, and out through the top of the tower.

Jain architecture consists mainly of structural and rock-cut monasteries and temples that have much in common with their Buddhist and Hindu counterparts. Buddhist, Hindu, and Jain temples may share a site, as may the structures of still other religions.





SEE MORE: View a simulation of stupas and temples www.myartslab.com

The capitals above the posts consist of four back-to-back elephants on the north and east gates, dwarfs on the west gate, and lions on the south gate. The capitals in turn support a three-tiered superstructure in which posts and crossbars are elaborately carved with still more symbols and scenes, and studded with free-standing sculptures depicting such subjects as *yakshis* and *yakshas*, riders on real and mythical animals, and the Buddhist wheel. As in other early Buddhist art before the late first century BCE, the Buddha himself is not shown in human form. Instead, he is represented by symbols such as his footprints, an empty "enlightenment" seat, or a plank.

Forming a bracket between each capital and the lowest crossbar is a sculpture of a *yakshi* (FIG. 9–10). These *yakshi*s are some of the finest female figures in Indian art, and they make an instructive comparison with the *yakshi* of the Maurya period (SEE FIG. 9–6).

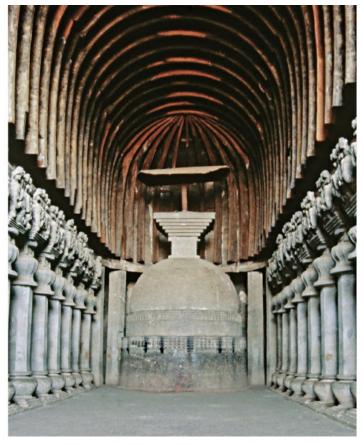
The earlier figure was distinguished by a formal, somewhat rigid pose, an emphasis on realistic details, and a clear distinction between clothed and nude parts of the body. In contrast, the Sanchi *yakshi* leans daringly into space with casual abandon, supported by one leg as the other charmingly crosses behind. Her thin, diaphanous garment is noticeable only by its hems, and so she appears almost nude, which emphasizes her form. The band pulling gently at her abdomen accentuates the suppleness of her flesh. The swelling, arching curves of her body evoke this deity's procreative and bountiful essence. As the personification of the waters, she is the source of life. Here she symbolizes the sap of the tree, which flowers at her touch.

The profusion of designs, symbols, scenes, and figures carved on all sides of the gateways to the Great Stupa not only relates the history and lore of Buddhism, but also represents the teeming life of the world and the gods.

#### **BUDDHIST ROCK-CUT HALLS**

From ancient times, caves have been considered hallowed places in India, for they were frequently the abode of holy men and ascetics. Around the second century BCE, cavelike sanctuaries were hewn out of the stone plateaus in the region of south central India known as the Deccan. Made for the use of Buddhist monks, the sanctuaries were carved from top to bottom like great pieces of sculpture, with all details completely finished in stone. To enter one of these remarkable halls is to feel transported to an otherworldly, sacred space. The atmosphere created by the dark recess and the echo that magnifies the smallest sound combine to promote a state of heightened awareness.

THE CHAITYA HALL AT KARLE. The monastic community made two types of rock-cut halls. One was the **vihara**, used for the monks' living quarters, and the other was the **chaitya** ("sanctuary"), which usually enshrined a stupa. A *chaitya* hall at Karle, dating from the first century BCE to the first century CE, is one of the largest and most fully developed examples of these early Buddhist works (FIG. 9–11). At the entrance, columns once supported a balcony, in front of which a pair of Ashokan-type



9-11 • CHAITYA HALL, KARLE
Maharashtra, India. 1st century BCE-1st century CE.

pillars stood. The walls of the vestibule are carved in relief with rows of small balcony railings and arched windows, simulating the façade of a great multi-storied palace. At the base of the side walls, enormous statues of elephants seem to be supporting the entire structure on their backs. Dominating the upper portion of the main façade is a large horseshoe-shaped opening, which provides the hall's main source of light. The window was originally fitted with a carved wood screen, some of which remains, that filtered the light streaming inside.

Three entrances pierce the main façade. Flanking the entrances are sculpted panels of **mithuna** couples, amorous male and female figures that evoke the harmony and fertility of life and suggest the devotion with which the worshiper should confront the Buddha represented by the stupa inside. The interior hall, 123 feet long, has a 46-foot-high ceiling carved in the form of a barrel vault ornamented with arching wooden ribs. Both the interior and exterior of the hall were once brightly painted. Pillars demarcate a pathway for circumambulation around the stupa in the apse at the far end.

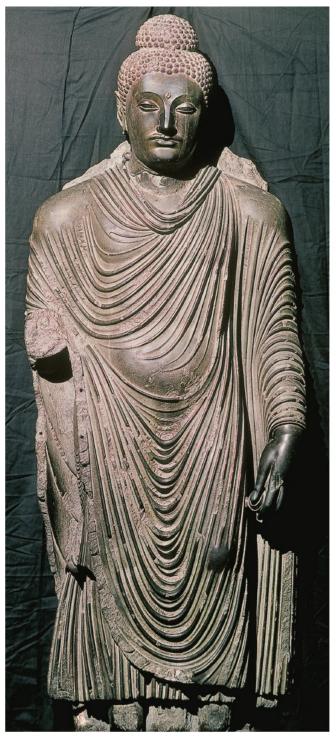
The side aisles are separated from the main aisle by closely spaced columns whose bases resemble a large pot set on a stepped pyramid of planks. From this potlike form rises a massive octagonal shaft. Crowning the shaft, a bell-shaped lotus capital supports an inverted pyramid of planks, which serves in turn as a platform for sculpture. The statues depict pairs of kneeling elephants, each bearing a mithuna couple. These figures, the only sculpture within this austere hall, may represent the nobility coming to pay homage at the temple. The pillars around the apse are plain, and the stupa is simple. A railing motif ornaments the base; the dome was once topped with wooden "umbrella" disks, only one of which remains. As with nearly everything in the cave, the stupa is carved from the cliff's rock. Like the stupa at Sanchi, the sculptural decoration is restricted to the entranceway. This stupa, however, could not contain the Buddha's relics because it is solid rock; likely it was worshiped as if it did.

# THE KUSHAN AND LATER ANDHRA PERIODS

Around the first century CE, the regions of present-day Afghanistan, Pakistan, and north India came under the control of the Kushans, originally a nomadic people forced out of northwest China by the Han. Exact dates are uncertain, but they ruled from the first to the third century CE. The beginning of the long reign of their most illustrious king, Kanishka, is variously dated from 78 to 143 CE.

Buddhism during this period underwent a profound evolution that resulted in the form known as Mahayana, or Great Vehicle (see "Buddhism," page 297). This vital new movement, which was to sweep most of northern India and eastern Asia, probably inspired the first depictions of the Buddha himself in art. (Previously, as in the Great Stupa at Sanchi, the Buddha had been

indicated solely by symbols.) Distinctive styles arose in the Gandhara region in the northwest (present-day Pakistan and Afghanistan) and in the famous religious center of Mathura in central India. Both of these areas were ruled by the Kushans. About the same time, a third style evolved in southeast India under the Andhra dynasty, whose rule continued in this region through the third century CE.



**9-12 • STANDING BUDDHA**From Gandhara, Pakistan. Kushan period, c. 2nd–3rd century ce. Schist, height 7'6" (2.28 m). Lahore Museum, Lahore.

While all three styles are quite distinct, they shared a basic visual language, or iconography, in which the Buddha is readily recognized by certain characteristics. He wears a monk's robe, a long length of cloth draped over the left shoulder and around the body. The Buddha is said to have had 32 major distinguishing marks, called **lakshanas**, some of which are reflected in the iconography (see "Buddhist Symbols," page 362). These include a golden-colored body, long arms that reached to his knees, the impression of a wheel (*chakra*) on the palms of his hands and the soles of his feet, and the **urna**—a tuft of white hair between his eyebrows. Because he had been a prince in his youth and had worn the customary heavy earrings, his earlobes are usually shown elongated. The top of his head is said to have had a protuberance called an **ushnisha**, which in images often resembles a bun or top-knot and symbolizes his enlightenment.

#### THE GANDHARA STYLE

Gandhara art combines elements of Hellenistic, Persian, and Indian styles. A typical image from Gandhara portrays the Buddha as a superhuman figure, more powerful and heroic than an ordinary human (FIG. 9–12). Although it is difficult to determine the dates of Gandhara images, this over-life-size Buddha may date to the fully developed stage of the Gandhara style, possibly around the third century CE. It is carved from schist, a fine-grained dark stone. The Buddha's body, revealed through the folds of the garment, is broad and massive, with heavy shoulders and limbs and a well-defined torso. His left knee bends gently, suggesting a slightly relaxed posture.

The treatment of the robe is especially characteristic of the Gandhara manner. Tight, riblike folds alternate with delicate creases, setting up a clear, rhythmic pattern of heavy and shallow lines. On the upper part of the figure, the folds break asymmetrically along the left arm; on the lower part, they drape in a symmetric U shape. The strong tension of the folds suggests life and power within the image. This complex fold pattern resembles the treatment of togas on certain Roman statues (SEE PAGE 177, FIG. A), and it exerted a strong influence on portrayals of the Buddha in central and east Asia. The Gandhara region's relations with the Hellenistic world may have led to this strongly Western style in its art. Pockets of Hellenistic culture had thrived in neighboring Bactria (present-day northern Afghanistan and southern Uzbekistan) since the fourth century BCE, when the Greeks under Alexander the Great reached the borders of India. Also, Gandhara's position near the eastwest trade routes appears to have stimulated contact with Roman culture in the Near East during the early centuries of the first millennium CE.

#### THE MATHURA STYLE

The second major style of Buddhist art in the Kushan period—that found at Mathura—was not allied with the Hellenistic-Roman tradition. Instead, the Mathura style evolved from representations of *yakshas*, the indigenous male nature deities. Images produced at



# ART AND ITS CONTEXTS

### Mudras

Mudras (the Sanskrit word for "signs") are ancient symbolic hand gestures that are regarded as physical expressions of different states of being. In Buddhist art, they function iconographically. Mudras are also used during meditation to release these energies. The following are the most common mudras in Asian art.

#### Dharmachakra Mudra

The gesture of teaching, setting the *chakra* (wheel) of the *dharma* (law or doctrine) in motion. Hands are at chest level.

#### **Dhyana Mudra**

A gesture of meditation and balance, symbolizing the path toward enlightenment. Hands are in the lap, the lower representing *maya*, the physical world of illusion, the upper representing *nirvana*, enlightenment and release from the world.

#### Vitarka Mudra

This variant of *dharmachakra mudra* stands for intellectual debate. The right and/or left hand is held at shoulder level with thumb and forefinger touching.

#### Abhaya Mudra

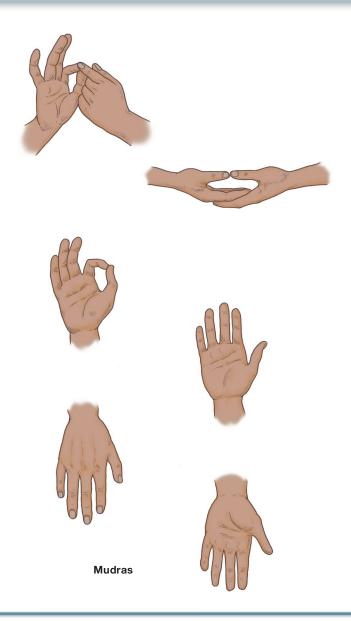
The gesture of reassurance, blessing, and protection, this *mudra* means "have no fear." The right hand is at shoulder level, palm outward.

#### Bhumisparsha Mudra

This gesture calls upon the earth to witness Shakyamuni Buddha's enlightenment at Bodh Gaya. A seated figure's right hand reaches toward the ground, palm inward.

#### Varada Mudra

The gesture of charity, symbolizing the fulfillment of all wishes. Alone, this *mudra* is made with the right hand; but when combined with *abhaya mudra* in standing Buddha figures (as is most common), the left hand is shown in *varada mudra*.



Mathura during the early days of the Kushan period may be the first representations of the Buddha to appear in art.

The stele in FIGURE 9–13 is one of the finest of the early Mathura images. The sculptors worked in a distinctive red sandstone flecked with cream-colored spots. Carved in high relief (forms projecting strongly from the background), it depicts a seated Buddha with two attendants. The Buddha sits in a yogic posture on a pedestal supported by lions. His right hand is raised in a symbolic gesture meaning "have no fear." Images of the Buddha rely on a repertoire of such gestures, called **mudras**, to communicate certain ideas, such as teaching, meditation, or the attaining of enlightenment (see "Mudras," above). The Buddha's *urna*, his *ushnisha*, and the impressions of wheels on his palms and soles are

all clearly visible in this figure. Behind his head is a large, circular halo; the scallop points of its border represent radiating light. Behind the halo are branches of the pipal tree, the tree under which the Buddha was seated when he achieved enlightenment. Two celestial beings hover above.

As in Gandhara sculptures, the Mathura work gives a powerful impression of the Buddha. Yet this Buddha's riveting outward gaze and alert posture impart a more intense, concentrated energy. The robe is pulled tightly over the body, allowing the fleshy form to be seen as almost nude. Where the pleats of the robe appear, such as over the left arm and fanning out between the legs, they are depicted abstractly through compact parallel formations of ridges with an incised line in the center of each ridge. This characteristic



**9-13 • BUDDHA AND ATTENDANTS**From Katra Keshavdev, Mathura, Madhya Pradesh, India. Kushan period, c. late 1st–early 2nd century ce. Red sandstone, height 27<sup>1</sup>/<sub>4</sub>" (69.2 cm). Government Museum, Mathura.

Mathura tendency to abstraction also appears in the face, whose features take on geometric shapes, as in the rounded forms of the widely opened eyes. Nevertheless, the torso with its subtle and soft modeling is strongly naturalistic.

#### THE SOUTHEAST INDIAN STYLE

Events from the Buddha's life were popular subjects in the reliefs decorating stupas and Buddhist temples. One example from Nagarjunakonda depicts a scene when he was Prince Siddhartha, before his renunciation of his princely status and his subsequent quest for enlightenment (FIG. 9-14). Carved in low relief, the panel reveals a scene of pleasure around a pool of water. Gathered around Siddhartha, the largest figure and the only male, are some of the palace women. One holds his foot, entreating him to come into the water; another sits with legs drawn up on the nearby rock; others lean over his shoulder or fix their hair; one comes into the scene with a box of jewels on her head. The panel is framed by decorated columns, crouching lions, and amorous mithuna couples. (One of these couples is visible at the right of the illustration.) The scene is skillfully orchestrated to revolve around the prince as the main focus of all eyes. Typical of the southeast Indian style, the figures are slighter than those of Gandhara and Mathura. They are sinuous and mobile, even while at rest. The rhythmic nuances of the limbs and varied postures not only create interest in the activity of each individual but also engender a light and joyous effect.

During the first to third century CE, each of the three major styles of Buddhist art developed its own distinct idiom for expressing the complex imagery of Buddhism and depicting the image of the Buddha. The production of art in Gandhara and the region around Nagarjunakonda declined over the ensuing centuries. However, the artists of central India continued to work productively, and from them came the next major development in Indian Buddhist art.



9-14 • SIDDHARTHA IN THE PALACE

Detail of a relief from Nagarjunakonda, Andhra Pradesh, India. Later Andhra period, c. 3rd century ce. Limestone. National Museum, New Delhi.

EXPLORE MORE: Gain insight from a primary source about the life of the Buddha www.myartslab.com

# THE FOURTH THROUGH SEVENTH CENTURIES

The Guptas, who founded a dynasty in the eastern region of central India known as Magadha, expanded their territories during the fourth century CE to form an empire that encompassed northern and much of central India. Although Gupta power ended in 550, the influence of Gupta culture was felt long after that.

The period of the Guptas and their contemporaries is renowned for the flourishing artistic and literary culture that brought forth some of India's most widely admired sculpture and painting. While Buddhism continued to be a major religion, the earliest surviving Hindu temples also date from this time.

#### **BUDDHIST SCULPTURE**

Two distinctive styles of Gupta Buddhist sculpture prevailed during the second and third quarters of the fifth century and dominated in northern India: one was based at Mathura, the major center of north Indian sculpture during the Kushan period, and the other at Sarnath, whose style is reflected in Buddhist sculpture over much of northern India.

The **STANDING BUDDHA** in **FIGURE 9–15** embodies the fully developed Sarnath Gupta style. Carved from fine-grained sandstone, the figure stands in a mildly relaxed pose, the body clearly visible through a clinging robe. This plain robe, portrayed with none of the creases and folds so prominent in the Kushan period images, is distinctive of the Sarnath style. Its effect is to concentrate attention on the form of the body, which emerges in high relief. The body is graceful and slight, with broad shoulders and a wellproportioned torso. Only a few lines of the garment at the neck, waist, and hems interrupt the purity of its subtly shaped surfaces; the face, smooth and ovoid, has the same refined elegance. The downcast eyes suggest otherworldly introspection, yet the gentle, open posture maintains a human link. Behind the head are the remains of a large, circular halo. Carved in concentric circles of pearls and foliage, the ornate halo contrasted with the plain surfaces of the figure. Details also may have been indicated by paint.

At the site of Bamiyan, about 155 miles northwest of Kabul, Afghanistan, were two enormous Buddhas carved from the rock of a cliff, one some 115 feet in height (FIG. 9–16), the other about 165 feet. They were seen by a Chinese pilgrim who came to Bamiyan in the fifth century, so they clearly date before his visit, probably to the early fifth century. Pilgrims could walk within the cliff up a staircase on the right side of the smaller figure that ended at the Buddha's shoulder. There they could look into the vault of the niche and see a painted image of the sun god, suggesting a metaphoric pilgrimage to the heavens. They then could circumambulate the figure at the level of the head and return to ground level on a staircase on the figure's left side. These huge figures likely served as the model for those at rock-cut sanctuaries in China, for example, at Yungang. Despite the historical and religious importance of these figures, and

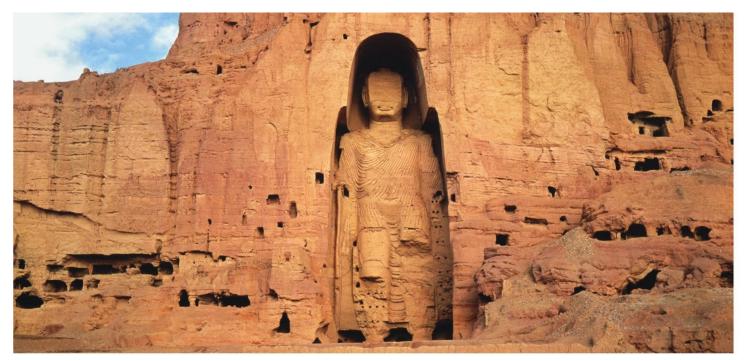


9-15 • STANDING BUDDHA
From Sarnath, Uttar Pradesh, India. Gupta period, 474 ce. Chunar sandstone, height 6'4" (1.93 m). Archaeological Museum, Sarnath.

ignoring the pleas of world leaders, the Taliban demolished the Bamiyan Buddhas in 2001.

#### **PAINTING**

The Gupta aesthetic also found expression in painting, though in a region of India just beyond the Gupta realm. Some of the finest surviving works are murals from the Buddhist rock-cut halls of Ajanta, in the western Deccan region of India (FIG. 9–17). Under a ruling house known as the Vakataka dynasty, many caves were carved around 475 CE, including Cave I, a large *vihara* hall with monks' chambers around the sides and a Buddha shrine chamber in the back. The walls of the central court were covered with murals painted in mineral pigments on a prepared plaster surface. Some of these paintings depict episodes from the Buddha's past lives. Flanking the entrance to the shrine chamber are two large **bodhisattvas**, one of which is seen in FIGURE 9–17.



**9-16 • STANDING BUDDHA**Bamiyan, Afghanistan. c. 5th century ce.

Bodhisattvas are enlightened beings who postpone *nirvana* and buddhahood to help others achieve enlightenment. They are distinguished from Buddhas in art by their princely garments. The bodhisattva here is lavishly adorned with delicate ornaments. He wears a bejeweled crown, large earrings, a pearl necklace, armbands, and bracelets. A striped cloth covers his lower body. The graceful bending posture and serene gaze impart a sympathetic attitude. His spiritual power is suggested by his large size in comparison to the surrounding figures, and his identity as the compassionate bodhisattva Avalokiteshvara is indicated by the lotus flower he holds in his right hand.

The naturalistic style balances outline and softly graded color tones. Outline drawing, always a major ingredient of Indian painting, clearly defines shapes; tonal gradations impart the illusion of three-dimensional form, with lighter tones used for protruding parts such as the nose, brows, shoulders, and chest muscles. Together with the details of the jewels, these highlighted areas resonate against the subdued tonality of the figure. Sophisticated, realistic detail is balanced by the languorous human form. In no other known examples of Indian painting do bodhisattvas appear so graciously divine yet, so palpably human. This particular synthesis is evident also in the Sarnath statue (SEE FIG. 9–15), which shares much in common as well with the sculpture of Ajanta.

Although Buddhism had flourished in India during the fifth century, some of the most important Buddhist monasteries, attracting pilgrims from as far away as China, prospered especially after the Gupta period. Hindu temples, generally small and relatively simple structures during the fifth century, subsequently became increasingly complex and elaborately adorned with sculptured images.



9-17 • BODHISATTVA
Detail of a wall painting in Cave I, Ajanta, Maharashtra, India. Vakataka dynasty, c. 475 ce.



9-18 • VISHNU TEMPLE, DEOGARH Uttar Pradesh, India. Gupta dynasty, c. 530 ce.

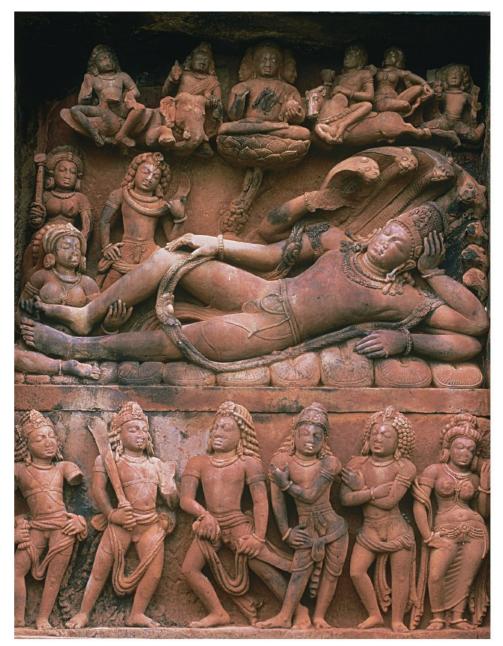
#### THE EARLY NORTHERN TEMPLE

The Hindu temple developed many different forms throughout India, but it can be classified broadly into two types: northern and southern. The northern type is chiefly distinguished by a superstructure called a shikhara (see "Stupas and Temples," page 301). The shikhara rises as a solid mass above the flat stone ceiling and windowless walls of the sanctum, or garbhagriha, which houses an image of the temple's deity. As it rises, it curves inward in a mathematically determined ratio. (In geometric terms, the shikhara is a paraboloid.) Crowning the top is a circular, cushionlike element called an amalaka, a fruit. From the amalaka, a finial (a knoblike decoration at the top point of a spire) takes the eye to a point where the earthly world is thought to join the cosmic world. An imaginary axis mundi penetrates the entire temple, running from the point of the finial, through the exact center of the amalaka and shikhara, down through the center of the garbhagriha and its image, finally passing through the base of the temple and into the earth below. In this way the temple becomes a conduit between the celestial realms and the earth. This theme, familiar from Ashokan pillars and Buddhist stupas, is carried out with elaborate exactitude in Hindu temples, and it is one of the most important elements underlying their form and function (see "Meaning and Ritual in Hindu Temples and Images," page 310).

TEMPLE OF VISHNU AT DEOGARH. One of the earliest northernstyle temples is the temple of Vishnu at Deogarh in north central India, which dates from around 530 CE (FIG. 9–18). Much of the *shikhara* has crumbled away, so we cannot determine its original shape with precision. Nevertheless, it was clearly a massive, solid structure built of large cut stones. It would have given the impression of a mountain, which is one of several metaphoric meanings of a Hindu temple. This early temple has only one chamber, the *garbhagiha*, which corresponds to the center of a sacred diagram called a *mandala* on which the entire temple site is patterned. As the deity's residence, the *garbhagiha* is likened to a sacred cavern within the "cosmic mountain" of the temple.

Large panels sculpted in relief with images of Vishnu appear as "windows" on the temple's exterior. These elaborately framed panels do not function literally to let light *into* the temple; they function symbolically to let the light of the deity *out* of the temple to be seen by those outside.

One panel depicts Vishnu lying on the Cosmic Waters at the beginning of creation (FIG. 9–19). He sleeps on the serpent of infinity, Ananta, whose body coils endlessly into space. Stirred by his female aspect (*shakti*, or female energy), personified here by the goddess Lakshmi, seen holding his foot, Vishnu dreams the universe into existence. From his navel springs a lotus (shown in this relief behind Vishnu), and the unfolding of space-time begins.



9-19 • VISHNU ON THE COSMIC WATERS

Relief panel in the Vishnu Temple, Deogarh. c. 530 ce. Stone, height approx. 5' (1.5 m).

**SEE MORE**: View a video about the process of sculpting in relief www.myartslab.com

The first being to be created is Brahma (not to be confused with Brahman), who appears here as the central, four-headed figure in the row of gods portrayed above the reclining Vishnu. Brahma turns himself into the universe of space and time by thinking, "May I become Many."

The sculptor has depicted Vishnu as a large, resplendent figure with four arms. His size and his multiple arms denote his omnipotence. He is lightly garbed but richly ornamented. The ideal of the Gupta style is evident in the smooth, perfected shape of the body and in the lavishly detailed jewelry, including Vishnu's characteristic cylindrical crown. The four figures on the right in the

frieze below personify Vishnu's four attributes. They stand ready to fight the appearance of evil, represented at the left of the frieze by two demons who threaten to kill Brahma and jeopardize all creation.

The birth of the universe and the appearance of evil are thus portrayed here in three clearly organized registers. Typical of Indian religious and artistic expression, these momentous events are set before our eyes not in terms of abstract symbols, but as a drama acted out by gods in superhuman form.

#### MONUMENTAL NARRATIVE RELIEFS

The Hindu god Shiva exhibits a wide range of aspects or forms, both gentle and wild: He is the Great Yogi who dwells for vast periods of time in meditation in the Himalayas; he is also the husband par excellence who makes love to the goddess Parvati for eons at a time; he is the Slayer of Demons; and he is the Cosmic Dancer who dances the destruction and recreation of the world.

TEMPLE OF SHIVA AT ELEPHANTA. Many of these forms of Shiva appear in the monumental relief panels adorning the cave-temple of Shiva carved in the mid sixth century on the island of Elephanta off the coast of Mumbai in western India. The cave-temple is complex in layout and conception, perhaps to reflect the nature of Shiva. While most temples have one entrance, this temple offers three—one facing north, one east, and one west. The interior, impressive in its size and grandeur, is designed along two main axes, one running north—south, the other

east—west. The three entrances provide the only source of light, and the resulting cross and backlighting effects add to the sense of the cave as a place of mysterious, almost confusing complexity.

Along the east—west axis, large pillars cut from the rock appear to support the low ceiling and its beams, although, as with all architectural elements in a cave-temple, they are not structural (FIG. 9–20). The pillars form orderly rows, but the rows are hard to discern within the framework of the cave shape, which is neither square nor longitudinal, but formed of overlapping mandalas that create a symmetric yet irregular space. The pillars are an important aesthetic component of the cave. Each has an



# ART AND ITS CONTEXTS

# Meaning and Ritual in Hindu Temples and Images

The Hindu temple is one of the most complex and meaningful architectural forms in Asian art. Age-old symbols and ritual functions are embedded not only in a structure's many parts, but also in the process of construction itself. Patron, priest, and architect worked as a team to ensure the sanctity of the structure from start to finish. No artist or artisan was more highly revered in ancient Indian society than the architect, who could oversee the construction of an abode in which a deity would dwell.

For a god to take up residence, however, everything had to be done properly in exacting detail. By the end of the first millennium, the necessary procedures had been recorded in texts called the *Silpa Shastra*. First, an auspicious site was chosen; a site near water was especially favored, for water makes the earth fruitful. Next, the ground was prepared in an elaborate process that took several years: Spirits already inhabiting the site were invited to leave; the ground was planted and harvested through two seasons; then cows—sacred beasts since the Indus civilization—were pastured there to lend their potency to the site. When construction began, each phase was accompanied by ritual to ensure its purity and sanctity.

All Hindu temples are built on a plan known as a *mandala*, a schematic design of a sacred realm or space—specifically, Vastupurusha *mandala*, the *mandala* of the Cosmic Man, the primordial progenitor of the human species. His body, fallen on earth, is imagined as superimposed on the *mandala* design; together, they form the base on which the temple rises. The Vastupurusha *mandala* always takes the form of a square subdivided into a number of equal squares

(usually 64) surrounding a central square. The central square represents Brahman, the primordial, unmanifest Formless One. This square corresponds to the temple's sanctum, the windowless garbhagriha ("womb chamber"). The nature of Brahman is clear, pure light; that we perceive the garbhagriha as dark is considered a testament to our deluded nature. The surrounding squares belong to lesser deities, while the outermost compartments hold protector gods. These compartments are usually represented by the enclosing wall of a temple compound.

The garbhagriha houses the temple's main image—most commonly a stone, bronze, or wood statue of Vishnu, Shiva, or Devi. In the case of Shiva, the image is often symbolic rather than anthropomorphic. To ensure perfection, the proportions of the image follow a set canon, and rituals surround its making. When the image is completed, a priest recites mantras (mystic syllables), that bring the deity into the image. The belief that a deity is literally present is not taken lightly. Even in India today, any image "under worship"—whether it be in a temple or a field, an ancient work or a modern piece—will be respected and not taken from the people who worship it.

A Hindu temple is a place for individual devotion, not congregational worship. It is the place where a devotee can make offerings to one or more deities and be in the presence of the god who is embodied in the image in the *garbhagriha*. Worship generally consists of prayers and offerings such as food and flowers or water and oil for the image, but it can also be much more elaborate, including dancing and ritual sacrifices.

unadorned, square base rising to nearly half its total height. Above is a circular column, which has a curved contour and a billowing "cushion" capital. Both column and capital are delicately fluted, adding a surprising refinement to these otherwise sturdy forms. The focus of the east—west axis is a square **linga shrine**, shown here at the center of illustration 9–20. Each of its four entrances is flanked by a pair of colossal standing guardian figures. In the center of the shrine is the *linga*, the phallic symbol of Shiva. The *linga* represents the presence of Shiva as the unmanifest Formless One, or Brahman. It symbolizes both his erotic nature and his aspect as the Great Yogi who controls his seed. The *linga* is synonymous with Shiva and is seen in nearly every Shiva temple and shrine.

The focus of the north—south axis, in contrast, is a relief on the south wall with a huge bust of Shiva representing his Sadashiva, or **ETERNAL SHIVA**, aspect (FIG. 9–21). Three heads are shown resting upon the broad shoulders of the upper body, but five heads are implied: the fourth behind and the fifth, never depicted, on top. The heads summarize Shiva's fivefold nature as creator (back),

protector (left), destroyer (right), obscurer (front), and releaser (top). The head in the front depicts Shiva deep in introspection. The massiveness of the broad head, the large eyes barely delineated, and the mouth with its heavy lower lip suggest the god's serious depths. Lordly and majestic, he easily supports his huge crown, intricately carved with designs and jewels, and the matted, piled-up hair of a yogi. On his left shoulder, his protector nature is depicted as female, with curled hair and a pearl-festooned crown. On his right shoulder, his wrathful, destroyer nature wears a fierce expression, and snakes encircle his neck.

Like the relief panels at the temple to Vishnu in Deogarh (SEE FIG. 9–19), the reliefs at Elephanta are early examples of the Hindu monumental narrative tradition. Measuring 11 feet in height, they are set in recessed niches. The panels portray the range of Shiva's powers and some of his different aspects, presented in the context of narratives that help devotees understand his nature. Taken as a whole, the reliefs represent the manifestation of Shiva in our world. Indian artists often convey the many aspects or essential nature of a deity through multiple heads or arms—which they



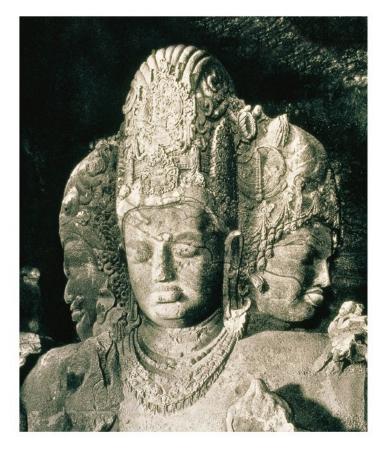
**9-20 • CAVE-TEMPLE OF SHIVA, ELEPHANTA**Maharashtra, India. Post-Gupta period, mid 6th century ce. View along the east-west axis to the *linga* shrine.

do with such convincing naturalism that we readily accept the additions. Here, for example, the artist has united three heads onto a single body so skillfully that we still relate to the statue as an essentially human presence.

"DESCENT OF THE GANGES" RELIEF AT MAMALLAPURAM. An enormous relief at Mamallapuram, near Chennai, in southeastern India, depicts the penance of a king, Bhagiratha, who sought to save his people from drought by subjecting himself to terrible austerities. In response, the god Shiva sent the Ganges River, represented by the natural cleft in the rock, to earth, thereby ending the drought (see "A Closer Look," page 313). Bhagiratha is shown standing in frigid waters while staring directly at the sun through his parted fingers, standing for interminable periods on



Rock-cut relief in the cave-temple of Shiva, Elephanta. Mid 6th century ce. Height approx. 11' (3.4 m).



one foot, and in deep prayer before a temple. In the upper left part of the relief, Shiva, shown four-armed, appears before Bhagiratha to grant his wish. Elsewhere in the relief, animal families are depicted, generally in mutually protective roles.

This richly carved relief was executed under the Pallava dynasty, which flourished in southeastern India from the seventh to ninth century CE. It very likely serves as a visual allegory for the benevolent king, who protects his people, perhaps specifically by providing canals to control water, a notion reinforced by the relief carved in a cave-temple on the same boulder, to the left of the Descent relief. It shows the god Krishna protecting his people from a deluge by raising a mountain to serve as a sort of natural umbrella. Themes relating to water are particularly appropriate to Mamallapuram, situated on the Bay of Bengal and possibly serving as a port for the Pallavas.

#### THE EARLY SOUTHERN TEMPLE

The coastal city of Mamallapuram was also a major temple site under the Pallavas. Along the shore are many large granite boulders and cliffs, and from these the Pallava-period stonecutters carved entire temples as well as reliefs such as the one discussed in "A Closer Look," opposite. Among the most interesting of these rock-cut temples is a group known as the Five Rathas, which preserve diverse early architectural styles that probably reflect the forms of contemporary wood or brick structures that have long since disappeared.

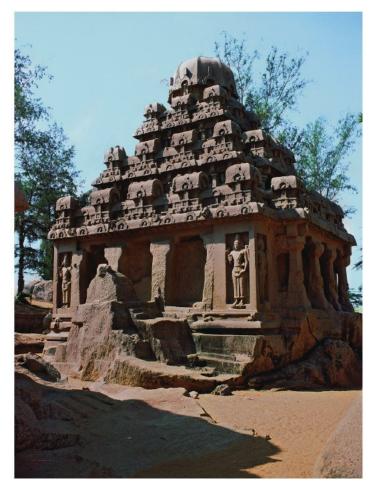
DHARMARAJA RATHA AT MAMALLAPURAM. One of this group, called today the Dharmara a Ratha, epitomizes the early southern-style temple (FIG. 9–22). Although strikingly different in appearance from the northern style, it uses the same symbolism to link the heavens and earth and it, too, is based on a mandala. The temple, square in plan, remains unfinished, and the garbhagiha usually found inside was never hollowed out, suggesting that, like cave-temples, Dharmara a Ratha was executed from the top downward. On the lower portion, only the columns and niches have been carved. The use of a single deity in each niche forecasts the main trend in temple sculpture in the centuries ahead: The tradition of narrative reliefs declined, and the stories they told became concentrated in statues of individual deities, which conjure up entire mythological episodes through characteristic poses and a few symbolic objects.

Southern- and northern-style temples are most clearly distinguished by their superstructures. The Dharmara ja Ratha does not culminate in the paraboloid of the northern *shikhara* but in a pyramidal tower. Each story of the superstructure is articulated by a cornice and carries a row of miniature shrines. Both shrines and cornices are decorated with a window motif from which faces peer. The shrines not only demarcate each story, but also provide loftiness for this palace intended to enshrine a god. Crowning the superstructure is a dome-shaped octagonal capstone quite different from the *amalaka* of the northern style.

During the centuries that followed, both northern- and southern-style temples developed into complex, monumental forms, but their basic structure and symbolism remained the same as those we have seen in these simple, early examples at Deogarh and Mamallapuram.

# THE EIGHTH THROUGH THE FOURTEENTH CENTURIES

During the eighth through the fourteenth centuries, regional styles developed in the realms of the dynasties ruling kingdoms that were generally smaller than the Maurya and Kushan empires. Some dynasties were relatively long-lived, such as the Pallavas and Cholas in the south and the Palas in the northeast. Although Buddhism remained strong in a few areas—notably under the Palas—it generally declined, while the Hindu gods Vishnu, Shiva, and the Great Goddess (mainly Durga) grew increasingly popular. Monarchs rivaled each other in the building of temples to their favored deity, and many complicated and subtle variations of the Hindu temple emerged with astounding rapidity in different regions. By around 1000 the Hindu temple reached unparalleled heights of grandeur and engineering.



9-22 • DHARMARAJA RATHA, MAMALLAPURAM Tamil Nadu, India. Pallava period, c. mid 7th century ce.



# "Descent of the Ganges" Relief >

Rock-cut relief, Mamallapuram, Tamil Nadu, India. Pallava period, c. mid 7th century ce. Granite, height approx. 20' (6 m).

Unfinished cave. Beyond it, Unfinished portion of the relief on the same rock formation, suggesting work from the top downward, Shiva offering boon to Bhagiratha meditating in front is the Krishna Cave. as at other Mamallapuram monuments. Bhagiratha. of a temple. Bhagiratha gazing directly A cat imitating the penance of A family of elephants, the bull elephant in front at the sun. Bhagiratha, a whimsical touch by the artist. protecting his young elephant, probably a metaphor

SEE MORE: View the Closer Look feature for the "Descent of the Ganges" relief at Mamallapuram www.myartslab.com

#### THE MONUMENTAL NORTHERN TEMPLE

The Kandariya Mahadeva, a temple dedicated to Shiva at Khajuraho, in central India, was probably built by a ruler of the Chandella dynasty in the late tenth or early eleventh century (FIG. 9–23). Khajuraho was the capital and main temple site for the Chandellas, who constructed more than 80 temples there, about 25 of which are well preserved. The Kandariya Mahadeva

Temple is in the northern style, with a curvilinear *shikhara* rising over its *garbha giha*. Larger, more extensively ornamented, and expanded through the addition of halls on the front and porches to the sides and back, the temple seems at first glance to have little in common with its precursor at Deogarh (SEE FIG. 9–18). Actually, however, the basic elements and their symbolism remain unchanged.

for the king's protection of his people.



# THE OBJECT SPEAKS

## Shiva Nataraja of the Chola Dynasty

Perhaps no sculpture is more representative of Hinduism than the statues of Shiva Nataraja, or Dancing Shiva, a form perfected by sculptors under the royal patronage of the south Indian Chola dynasty in the late tenth to eleventh century. (For the architecture and painting of the period, SEE FIGS. 9-25, 9-26.) The dance of Shiva is a dance of cosmic proportions, signifying the universe's cycle of death and rebirth; it is also a dance for each individual, signifying the liberation of the believer through Shiva's compassion. In the iconography of the Nataraja, this sculpture shows Shiva with four arms dancing on the prostrate body of Apasmara, a dwarf figure who symbolizes "becoming" and whom Shiva controls. Shiva's extended left hand holds a ball of fire; a circle of fire rings the god. The fire is emblematic of the destruction of samsara and the physical universe as well as the destruction of maya (illusion) and our ego-centered perceptions. Shiva's back right hand holds a drum; its beat represents the irrevocable rhythms of creation and destruction, birth and death. His front right arm gestures the "have no fear" mudra (see "Mudras," page 304). The front left arm, gracefully stretched across his body with the hand pointing to his raised foot, signifies the promise of liberation.

The artist has rendered the complex pose with great clarity. The central axis, which aligns the nose, navel, and insole of the weight-bearing foot, maintains the figure's equilibrium while the remaining limbs asymmetrically extend far to each side. Shiva wears a short loincloth, a ribbon tied above his waist, and delicately tooled ornaments. The scant clothing reveals his perfected form with its broad shoulders tapering to a supple waist. The jewelry is restrained and the detail does not detract from the beauty of the body.

The deity does not appear self-absorbed and introspective as he did in the Eternal Shiva relief at Elephanta (SEE FIG. 9–21). He turns to face the viewer, appearing lordly and aloof yet fully aware of his benevolent role as he generously displays himself for the devotee. Like the Sarnath Gupta Buddha (SEE FIG. 9–15), the Chola Shiva Nataraja presents a characteristically Indian synthesis

of the godly and the human, this time expressing the *bhakti* belief in the importance of an intimate relationship with a lordly god through whose compassion one is saved. The earlier Hindu emphasis on ritual and the depiction of the heroic feats of the gods is subsumed into the all-encompassing, humanizing factor of grace.

The fervent religious devotion of the *bhakti* movement was fueled by the sublime writings of a series of poet-saints who lived in the south of India. One of them, Appar, who lived from the late sixth to mid seventh century CE, wrote this vision of the Shiva Nataraja. The ash the poem refers to is one of many symbols associated with the deity.

In penance for having lopped off one of the five heads of Brahma, the first created being, Shiva smeared his body with ashes and went about as a beggar.

If you could see
the arch of his brow,
the budding smile
on lips red as the kovvai fruit,
cool matted hair,
the milk-white ash on coral skin,
and the sweet golden foot
raised up in dance,
then even human birth on this wide earth
would become a thing worth having.

(Translated by Indira Vishvanathan Peterson)





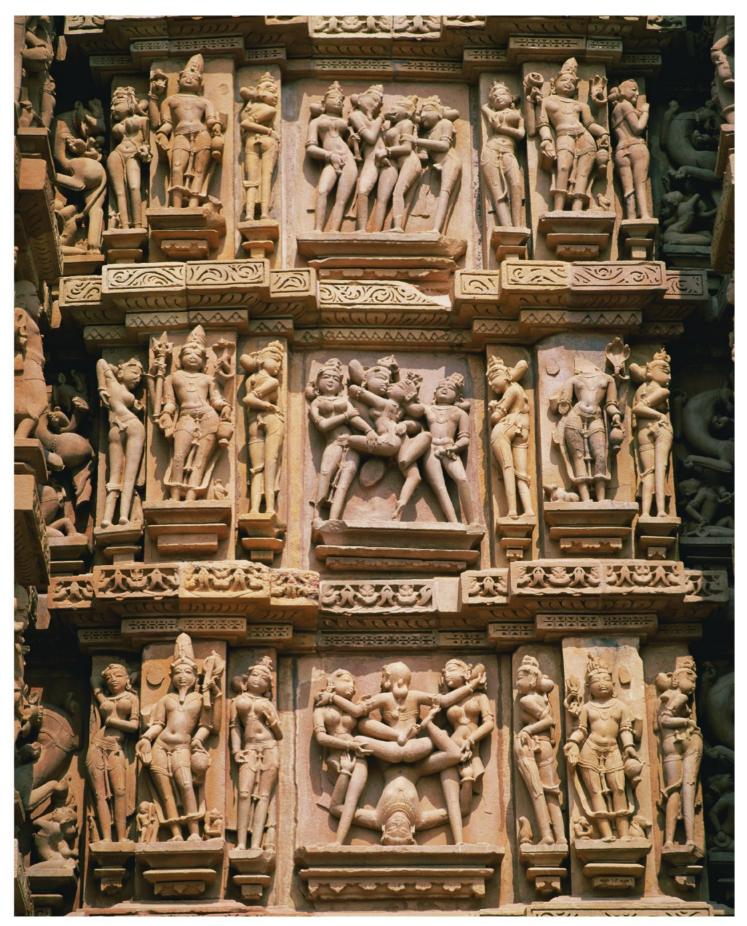
9-23 • KANDARIYA MAHADEVA TEMPLE, KHAJURAHO Madhya Pradesh, India. Chandella dynasty, c. 1000 ce.

As at Deogarh, the temple rests on a stone terrace that sets off a sacred space from the mundane world. A steep flight of stairs at the front (to the right in the illustration) leads to a series of three halls, called **mandapas** (distinguished on the outside by pyramidal roofs), preceding the *garbhagiha*. The *mandapas* serve as spaces for ritual, such as dances performed for the deity, and for the presentation of offerings. The temple is built of stone blocks using only post-and-lintel construction. Because vault and arch techniques are not used, the interior spaces are not large.

The exterior has a strong sculptural presence, its massiveness suggesting a "cosmic mountain" composed of ornately carved stone. The *shikhara* rises more than 100 feet over the *garbha giha* and is crowned by a small *amalaka*. The *shikhara* is bolstered by the many smaller *shikhara* motifs bundled around it. This decorative scheme adds a complex richness to the surface, but it also obscures the shape of the main *shikhara*, which is slender, with a swift and impetuous upward movement. The roofs of the *manda pas* contribute to the impression of rapid ascent by growing progressively taller as they near the *shikhara*.

Despite its apparent complexity, the temple has a clear structure and unified composition. The towers of the superstructure are separated from the lower portion by strong horizontal moldings and by the open spaces over the *mandapa*s and porches. The **moldings** (shaped or sculpted strips) and rows of sculpture adorning the lower part of the temple create a horizontal emphasis that stabilizes the vertical thrust of the superstructure. Three rows of sculpture—some 600 figures—are integrated into the exterior walls. Approximately 3 feet tall and carved in high relief, the sculptures depict gods and goddesses, as well as figures in erotic postures. They are thought to express Shiva's divine bliss, the manifestation of his presence within, and the transformation of one into many.

In addition to its horizontal emphasis, the lower portion of the temple is characterized by a verticality that is created by protruding and receding elements. Their visual impact is similar to that of engaged columns and buttresses, and they account for much of the rich texture of the exterior. The porches, two on each side and one in the back, contribute to the complexity by outwardly expanding the ground plan, yet their bases also



**9-24 • EROTIC COUPLES ON WALL OF KANDARIYA MAHADEVA TEMPLE, KHAJURAHO** Height of sculptures approx. 3'3" (1 m).

reinforce the sweeping vertical movements that unify the entire structure.

The Khajuraho temples are especially well known for their numerous erotic sculptures such as those illustrated in **FIGURE 9–24**. These carvings are not placed haphazardly, but rather in a single vertical line at the juncture of the walls enclosing the *garbhagiha* and the last *mandapa*. Their significance is uncertain; perhaps they derive from the amorous couples that adorn temple doorways leading to the *garbhagiha*. Such couples are found on some early temples such as the Deogarh temple as well as on Buddhist rock–cut sanctuaries such as the one at Karle, serving as reminders that devotion to god resembles the passion of love.

#### THE MONUMENTAL SOUTHERN TEMPLE

The Cholas, who succeeded the Pallavas in the mid ninth century, founded a dynasty that governed most of the far south well into the late thirteenth century. The Chola dynasty reached its peak during the reign of Rajaraja I (r. 985–1014). As an expression of

gratitude for his many victories in battle, Rajaraja built the Rajarajeshvara Temple to Shiva in his capital, Thanjavur (formerly known as Tanjore). The name Rajarajeshvara means the temple of Rajaraja's Lord, that is, Shiva. Commonly called the Brihadeshvara (the temple of the Great Lord), this temple is a remarkable achievement of the southern style of Hindu architecture (FIG. 9–25). It stands within a huge, walled compound near the banks of the Kaveri River. Although smaller shrines dot the compound, the Rajarajeshvara dominates the area.

Clarity of design, a formal balance of parts, and refined décor contribute to the Rajarajeshvara's majesty. Rising to an astonishing height of 216 feet, this temple was probably the tallest structure in India in its time. Like the contemporaneous Kandariya Mahadeva Temple at Khajuraho, the Rajarajeshvara has a longitudinal axis and greatly expanded dimensions, especially with regard to its superstructure. Typical of the southern style, the *mandapa* at the front of the Rajarajeshvara has a flat roof, as opposed to the pyramidal roofs of the northern style. The walls of the sanctum rise for two



9-25 • RAJARAJESHVARA TEMPLE OF SHIVA, THANJAVUR Tamil Nadu, India. Chola Dynasty, 1003-1010 ce.

stories, with each story emphatically articulated by a large cornice. The exterior walls are ornamented with niches, each of which holds a single statue, usually depicting a form of Shiva. The clear, regular, and wide spacing of the niches imparts a calm balance and formality to the lower portion of the temple, in marked contrast to the irregular, concave-convex rhythms of the northern style.

The superstructure of the Rajarajeshvara is a four-sided, hollow pyramid that rises for 13 stories. Each story is decorated with miniature shrines, window motifs, and robust dwarf figures who seem to be holding up the next story. Because these sculptural elements are not large in the overall scale of the superstructure, they appear well integrated into the surface and do not obscure the thrusting shape. This is quite different from the effect of the small

9-26 • RAJARAJA I AND HIS TEACHER

Detail of a wall painting in the Rajarajeshvara Temple to Shiva.

Chola dynasty, c. 1010 ce.

shikhara motifs on the superstructure of the Kandariya Mahadeva Temple (SEE FIG. 9–23). Notice also that in the earlier southern style, as embodied in the Dharmaraja Ratha (SEE FIG. 9–22), the shrines on the temple superstructure were much larger in proportion to the whole and thus each appeared to be nearly as prominent as the superstructure's overall shape.

Because the Rajarajeshvara superstructure is not obscured by its decorative motifs, it forcefully ascends skyward. At the top is an octagonal dome-shaped capstone similar to the one that crowned the earlier southern-style temple. This huge capstone is exactly the same size as the *garbhagiha* housed 13 stories directly below. It thus evokes the shrine a final time before the eye ascends to the point separating the worldly from the cosmic sphere above.

#### THE BHAKTI MOVEMENT IN ART

Throughout this period, two major religious movements were developing that affected Hindu practice and its art the Tantric, or Esoteric, and the *bhakti*, or devotional. Although both movements evolved throughout India, the influence of Tantric sects appeared during this period primarily in the art of the north (see Chapter 23 for a discussion of their continued development), while the *bhakti* movements found artistic expression in the south as well as the north.

The bhakti devotional movement was based on ideas expressed in ancient texts, especially the Bhagavad-Gita. Bhakti revolves around the ideal relationship between humans and deities. According to bhakti, it is the gods who create maya (illusion), in which we are all trapped. They also reveal truth to those who truly love them and whose minds are open to them. Rather than focusing on ritual and the performance of dharma according to the Vedas, bhakti stresses an intimate, personal, and loving relation with the god, and complete devotion and surrender to the deity. Inspired and influenced by bhakti, Indian artists produced some of South Asia's most interesting works, among them the few remaining mural paintings and the famous bronze works of sculpture (see "Shiva Natara a of the Chola Dynasty," page 314).

WALLPAINTING AT RAJARAJESHVARA TEMPLE. Rajaraja's building of the Rajarajeshvara was in part a reflection of the fervent Shiva bhakti movement which had reached its peak by that time. The corridors of the circumambulatory passages around the garbhagiha were originally adorned with wall paintings. Overpainted later, they were only recently rediscovered. One painting apparently depicts the ruler Rajaraja himself, not as a warrior or majestic king on his throne, but as a simple mendicant humbly standing behind his religious teacher (FIG. 9–26). With his white beard and dark

skin, the aged teacher contrasts with the youthful, bronze-skinned king. The position of the two suggests that the king treats the saintly teacher, who in the devotee's or *bhakta*'s view is equated with god, with intimacy and respect. Both figures allude to their devotion to Shiva by holding a small flower as an offering, and both emulate Shiva in their appearance by wearing their hair in the "ascetic locks" of Shiva in his Great Yogi aspect.

The portrayal does not represent individuals so much as a contrast of types: the old and the youthful, the teacher and the devotee, the saint and the king—the highest religious and worldly models, respectively—united as followers of Shiva. Line is the essence of the painting. With strength and grace, the even, skillfully executed line defines the boldly simple forms and features. With less shading and fewer details, these figures are flattened, more linear versions of those in the earlier paintings at Ajanta (SEE FIG. 9–17). A cool, sedate calm infuses the monumental figures, but the power of line also invigorates them with a sense of strength and inner life.

The *bhakti* movement spread during the ensuing centuries into northern India. However, during this period a new religious culture penetrated the subcontinent: Turkic peoples, Persians, and Afghans had been crossing the northwest passes into India since the tenth century, bringing with them Islam and its artistic tradition. New religious forms eventually evolved from Islam's long and complex interaction with the peoples of the subcontinent, and so too arose uniquely Indian forms of Islamic art, adding yet another dimension to India's artistic heritage.

### ART OF SOUTHEAST ASIA

Trade and cultural exchange, notably by the sea routes linking China and India, brought Buddhism, Hinduism, and other aspects of India's civilization to the various regions of Southeast Asia and the Asian archipelago. Although Theravada Buddhism (see "Buddhism," page 297) had the most lasting impact in the region, other trends in Buddhism, including Mahayana and esoteric (tantric) traditions, also played a role. Elements of Hinduism, including its epic literature, were also adopted.

THALAND—PRAKHON CHAI STYLE. Even the earliest major flowering of Buddhist art in eighth- and ninth-century Southeast Asia was characterized by distinctly local interpretations of the inheritance from India. For example, a strikingly beautiful style of Buddhist sculpture in Thailand, one with distinct iconographic elements, has been identified based on the 1964 discovery of a hoard of images in an underground burial chamber in the vicinity of Prakhon Chai, Buriram Province, near the present-day border with Cambodia. Distinguished by exquisite craftsmanship and a charming naturalism, enhanced by inlaid materials for the eyes, a standing figure of the bodhisattva Maitreya (FIG. 9–27) exemplifies the lithe and youthful proportions typical of the Prakhon Chai style. The iconography departs from the princely interpretation of



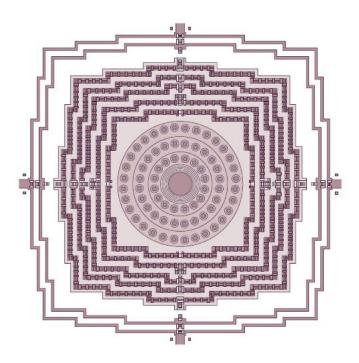
**9-27 • BUDDHA MAITREYA**From Buriram Province, Thailand. 8th century ce. Copper alloy with inlaid black glass eyes, 38" (96.5 cm). Asia Society, New York.
Mr. and Mrs. John D. Rockefeller 3rd Collection, 1979.063

the Buddha, presenting instead ascetic elements—abbreviated clothing and a loose arrangement of long hair. The esoteric (tantric) associations of these features are further emphasized by the multiple forearms, an element that was highly developed in Hindu sculpture and which came to be common in Esoteric Buddhist art.



9-28 • BUDDHA SHAKYAMUNI
From Thailand. Mon Dvaravati period, 9th century ce. Sandstone.
Norton Simon Museum, Los Angeles.

THALAND—DVARAVATI STYLE. The Dvaravati kingdom, of Mon people, flourished in central Thailand from at least the sixth to the eleventh century. This kingdom embraced Theravada Buddhism and produced some of the earliest Buddhist images in Southeast Asia, perhaps based on Gupta-period Indian models. During the later centuries, Dvaravati sculptors restated elements of the Gupta style (SEE FIG. 9–15), and introduced Mon characteristics into classical forms inherited from India (FIG. 9–28).



9-29 • PLAN OF BOROBUDUR

JAVA—BOROBUDUR. The most monumental of Buddhist sites in Southeast Asia is **BOROBUDUR** (FIGS. 9–29, 9–30) in central Java, an island of Indonesia. Built about 800 CE and rising more than 100 feet from ground level, this stepped pyramid of volcanic-stone blocks is surmounted by a large stupa, itself ringed by 72 smaller openwork stupas. Probably commissioned to celebrate the Buddhist merit of the Shailendra dynasty rulers, the monument expresses a complex range of Mahayana symbolism, incorporating earthly and cosmic realms. Jataka tales and scenes from the Buddha's life are elaborately narrated in the reliefs of the lower galleries (FIG. 9–31), and more than 500 sculptures of transcendental buddhas on the balustrades and upper terraces complete the monument, conceived as a *mandala* in three dimensions.

CAMBODIA—ANGKOR VAT. In Cambodia, Khmer kings ruled at Angkor for more than 400 years, from the ninth to the thirteenth century. Among the state temples, Buddhist as well as Hindu, they built **ANGKOR VAT (FIG. 9–32)**, the crowning achievement of Khmer architecture. Angkor had already been the site of royal capitals of the Khmer, who had for centuries vested temporal as well as spiritual authority in their kings, long before King Suryavarman II (r. 1113–1150) began to build the royal complex known today as Angkor Vat. Dedicated to the worship of Vishnu, the vast array of structures is both a temple and a symbolic cosmic mountain. The complex incorporates a stepped pyramid with five towers set within four enclosures of increasing perimeter. Suryavarman's predecessors had associated themselves with Hindu and Buddhist deities at Angkor by building sacred structures. His



**9-30 • BOROBUDUR**Central Java, Indonesia. c. 800 ce.

SEE MORE: View a video about Borobudur www.myartslab.com

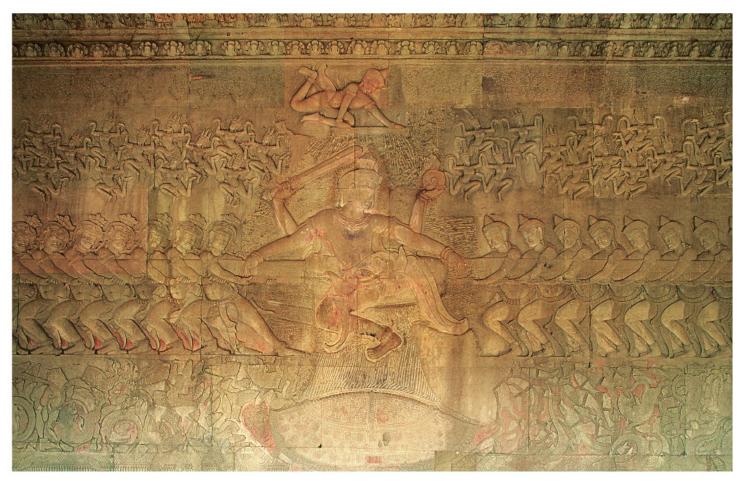


**9-31 • MAYA RIDING TO LUMBINI**Detail of a narrative relief sculpture, Borobudur.



**9-32 • ANGKOR VAT**Angkor, Cambodia. 12th century ce.

SEE MORE: View a video about Angkor Vat www.myartslab.com



**9-33 • VISHNU CHURNING THE OCEAN OF MILK** Detail of relief sculpture, Angkor Vat.



9-34 • PARINIRVANA
OF THE BUDDHA
Gal Vihara, near
Polonnaruwa, Sri Lanka.
11th–12th century ce. Stone.

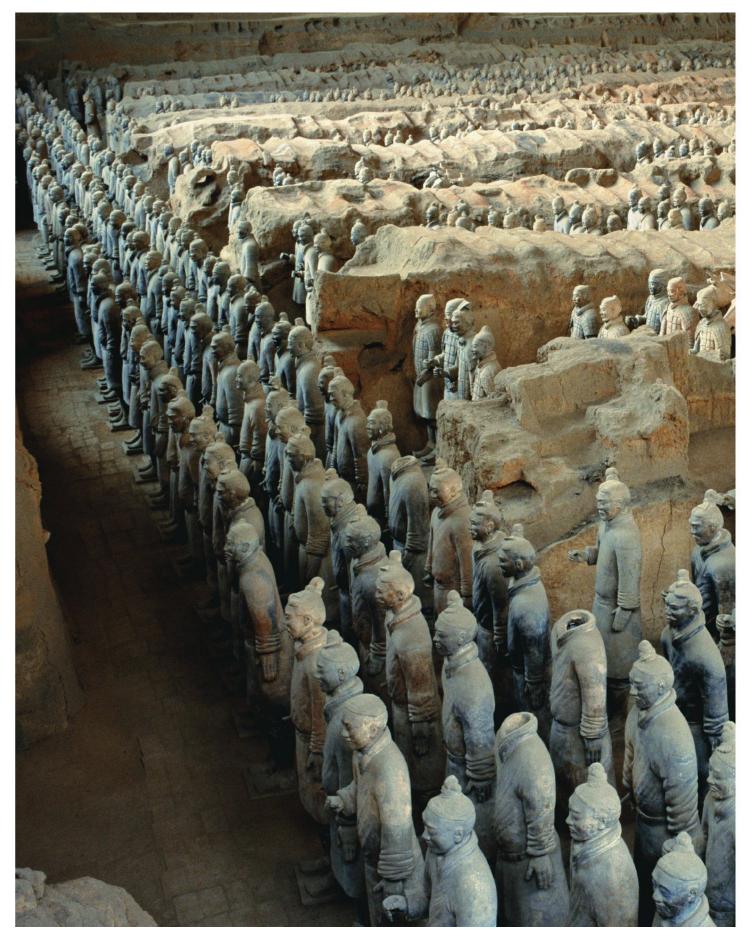
construction pairs him with Vishnu to affirm his royal status as well as his ultimate destiny of union with the Hindu god. Low-relief sculptures illustrate scenes from the *Ramayana*, the *Mahabharata*, and other Hindu texts (FIG. 9–33), and also depict Suryavarman with his armies.

SRI LANKA. Often considered a link to Southeast Asia, the island of Sri Lanka is so close to India's southeastern coast that Ashoka's son is said to have brought Buddhism there within his father's lifetime. Sri Lanka played a major role in the strengthening of Theravada traditions, especially by preserving scriptures and relics, and it became a focal point for the Theravada Buddhist world. Sri Lankan sculptors further refined Indian styles and iconography in colossal Buddhist sculptures. The rock-cut Parinirvana of the Buddha at Gal Vihara (FIG. 9–34) is one of three colossal Buddhas at the site. This serene and dignified image restates one of the early themes of Buddhist art, that of the Buddha's final transcendence, with a sophistication of modeling and proportion that updates and localizes the classical Buddhist tradition.

## THINK ABOUT IT

- **9.1** Describe the typical form of Indian temples. Contrast the stupa and the temple directly, paying attention to specific building features, such as the superstructure.
- 9.2 Angkor Vat in Cambodia draws both religious and architectural influence from the Indian subcontinent. Explain what the Khmer architects in Cambodia took from India, with reference to specific religious architectural forms borrowed.
- **9.3** How does architecture in India and Southeast Asia express a view of the world, even the cosmos?
- **9.4** Select one architectural work from the chapter, and explain how either Buddhist or Hindu stories are told through its decoration.
- 9.5 What are some distinguishing features of representations of Buddha?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**10-1 • SOLDIERS** From the mausoleum of Emperor Shihuangdi, Lintong, Shaanxi. Qin dynasty, c. 210 BCE. Earthenware, life-size.

# CHINESE AND KOREAN ART BEFORE 1279

As long as anyone could remember, the huge mound in China's Shaanxi Province in northern China had been part of the land-scape. No one dreamed that an astonishing treasure lay beneath the surface until one day in 1974 peasants digging a well accidentally brought to light the first hint of riches. When archaeologists began to excavate, they were stunned by what they found: a vast underground army of some 8,000 life-size terra-cotta soldiers with 100 life-size ceramic horses standing in military formation, facing east, supplied with weapons, and ready for battle (Fig. 10–1). For more than 2,000 years, while the tumultuous history of China unfolded overhead, they had guarded the tomb of Emperor Shihuangdi, the ruthless ruler who first united the states of China into an empire, the Qin.

In ongoing excavations at the site, additional bronze carriages and horses were found, further evidence of the technology and naturalism achieved by artisans during Qin Shihuangdi's reign. The tomb mound itself has not been excavated.

China has had a long-standing fascination with antiquity, but archaeology is a relatively young discipline there. Only since the 1920s have scholars methodically dug into the layers of history at thousands of sites across the country, yet so much has been unearthed that ancient Chinese history has been rewritten many times.

The archaeological record shows that Chinese civilization arose several millennia ago, and was distinctive for its early advances in ceramics and metalwork, as well as for the

elaborate working of jade. Early use of the potter's wheel, mastery of reduction firing, and the early invention of high-fired stoneware and porcelain distinguish the technological advancement of Chinese ceramics. Highly imaginative bronze castings and proficient techniques of mold making characterize early Chinese metalworking. Early attainments in jade reflect a technological competence with rotary tools and abrasive techniques, and a passion for the subtleties of shape, proportion, and surface texture.

Archaeology has supplemented our understanding of historically appreciated Chinese art forms. These explored human relationships and heroic ideals, exemplifying Confucian values and teaching the standards of conduct that underlie social order. Later, China also came to embrace the Buddhist tradition from India. In princely representations of Buddhist divinities and in sublime and powerful, but often meditative, figures of the Buddha, China's artists presented the divine potential of the human condition. Perhaps the most distinguished Chinese tradition is the presentation of philosophical ideals through the theme of landscape. Paintings simply in black ink, depictions of mountains and water, became the ultimate artistic medium for expressing the vastness, abundance, and endurance of the universe.

Chinese civilization radiated its influence throughout east Asia. Chinese learning repeatedly stimulated the growth of culture in Korea, which in turn transmitted influence to Japan.

## LEARN ABOUT IT

- **10.1** Examine the interaction of art and ritual in early periods of Chinese and Korean history.
- 10.2 Discuss the development of Confucian philosophy and its impact on the pictorial art of China.
- **10.3** Analyze the Daoist elements in early landscape motifs of China.
- 10.4 Assess the introduction and spread of Buddhism, and its adherents as patrons (including the court) in both China and Korea.
- 10.5 Discuss the development of naturalistic depiction and the achievement of verisimilitude in both landscapes and figures in the painting and sculpture of China before 1279.

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## THE MIDDLE KINGDOM

Among the cultures of the world, China is distinguished by its long, uninterrupted development, now traced back some 8,000 years. From Qin, pronounced "chin," comes our name for the country that the Chinese call the Middle Kingdom, the country in the center of the world. Present-day China occupies a large landmass in the center of Asia, covering an area slightly larger than the continental United States. Within its borders lives one-fifth of the human race.

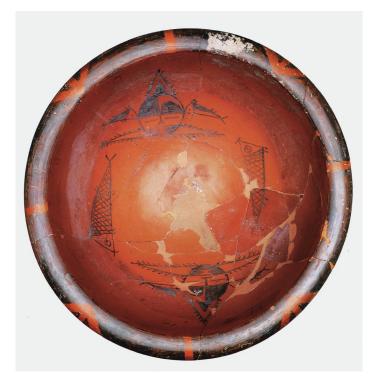
The historical and cultural heart of China is the land watered by its three great rivers, the Yellow, the Yangzi, and the Xi (MAP 10–1). The Qinling Mountains divide Inner China into north and south, regions with strikingly different climates, cultures, and historical fates. In the south, the Yangzi River flows through lush green hills to the fertile plains of the delta. Along the southern coastline, rich with natural harbors, arose China's port cities, the focus of a vast maritime trading network. The Yellow River, nicknamed "China's Sorrow" because of its disastrous floods, winds through the north. The north country is a dry land of steppe and desert, hot in the summer and lashed by cold winds in the winter. Over its vast and vulnerable frontier have come the nomadic invaders that are a recurring theme in Chinese history, but caravans and emissaries from Central Asia, India, Persia, and, eventually, Europe also crossed this border.

## **NEOLITHIC CULTURES**

Early archaeological evidence had led scholars to believe that agriculture, the cornerstone technology of the Neolithic period, made its way to China from the ancient Near East. More recent findings, however, suggest that agriculture based on rice and millet arose independently in east Asia before 5000 BCE and that knowledge of Near Eastern grains followed some 2,000 years later. One of the clearest archaeological signs of Neolithic culture in China is evidence of the vigorous emergence of towns and cities. At Jiangzhai, near modern Xi'an, for example, the foundations of more than 100 dwellings have been discovered surrounding the remains of a community center, a cemetery, and a kiln. Dated to about 4000 BCE, the ruins point to the existence of a highly developed early society. Elsewhere in China, the foundations of the earliest known palace have been uncovered and dated to about 2000 BCE.

#### PAINTED POTTERY CULTURES

In China, as in other places, distinctive forms of Neolithic pottery identify different cultures. One of the most interesting objects thus far recovered is a shallow red bowl with a turned-out rim (FIG. 10–2). Found in the village of Banpo near the Yellow River, it was crafted sometime between 5000 and 4000 BCE. The bowl is an artifact of the Yangshao culture, one of the most important of the so-called Painted Pottery cultures of Neolithic China. Although the potter's wheel had not yet been developed, the bowl is perfectly round and its surfaces are highly polished, bearing witness



10-2 • BOWL
From Banpo, near Xi'an, Shaanxi. Neolithic period, Yangshao culture, 5000–4000 BCE. Painted pottery, height 7" (17.8 cm). Banpo Museum.

to a distinctly advanced technology. The decorations are especially intriguing. The marks on the rim may be evidence of the beginnings of writing in China, which was fully developed by the time the first definitive examples appear during the second millennium BCE, in the later Bronze Age.

Inside the bowl, a pair of stylized fish suggests that fishing was an important activity for the villagers. The image between the two fish represents a human face with four more fish, one on each side. Although there is no certain interpretation of the image, it may be a depiction of an ancestral figure who could assure an abundant catch, for the worship of ancestors and nature spirits was a fundamental element of later Chinese beliefs.

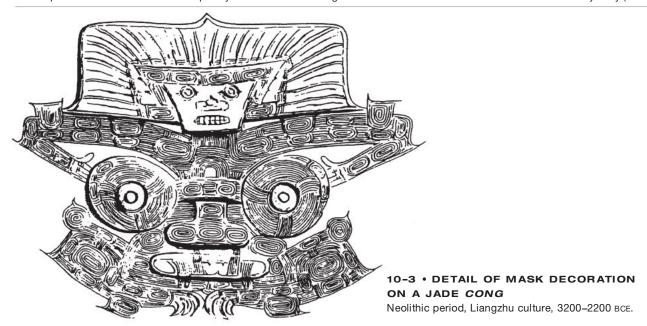
### LIANGZHU CULTURE

Banpo lies near the great bend in the Yellow River, in the area traditionally regarded as the cradle of Chinese civilization, but archaeological finds have revealed that Neolithic cultures arose over a far broader area. Recent excavations in sites more than 800 miles away, near Hangzhou Bay, in the southeastern coastal region, have turned up human and animal images—often masks or faces—more than 5,000 years old (FIG. 10–3). Large, round eyes, a flat nose, and a rectangular mouth protrude slightly from the background pattern of wirelike lines. Above the forehead, a second, smaller face grimaces from under a huge headdress. The upper face may be human, perhaps riding the animal figure below. The image is one of eight that were carved in low relief on the outside of a large jade **cong**, an object resembling a cylindrical tube encased in



MAP 10-1 • CHINA AND KOREA

The map shows the borders of contemporary China and Korea. Bright-colored areas indicate the extent of China's Han dynasty (206 BCE-221 CE).





**10-4** • *CONG* Neolithic period, Liangzhu culture, 3200–2200 BCE. Jade, height  $1^7\% \times$  width  $2^5\%$  (5  $\times$  6.6 cm). Shanghai Museum.

The *cong* is one of the most prevalent and mysterious of early Chinese jade shapes. Originating in the Neolithic period, it continued to play a prominent role in burials through the Shang and Zhou dynasties. Many experts believe the *cong* was connected with the practice of contacting the spirit world. They suggest that the circle symbolized heaven; the square, earth; and the hollow, the axis connecting these two realms.

a rectangular block. Another cong (FIG. 10–4) also from Liangzhu bears a beautiful finish and similar delineated mask motifs. These were found near the remains of persons buried with what appear to be sets of numerous jade objects.

The intricacy of the carving shows the technical sophistication of this jade-working culture, named the Liangzhu, which seems to have emerged around 3300 BCE. Jade, a stone cherished by the Chinese throughout their history, is extremely hard and is difficult to carve. Liangzhu artists must have used sand as an abrasive to slowly grind the stone down; modern artisans marvel at how they produced such fine work.

The meaning of the masklike image in FIGURE 10–3 is open to interpretation. Its combination of human and animal features seems to show how the ancient Chinese imagined supernatural beings, either deities or dead ancestors. Similar masks later formed the primary decorative motif of Bronze Age ritual objects. Still later, Chinese historians began referring to the ancient mask motif as **taotie**, but the motif's original meaning had already been lost. The jade carving here seems to be a forerunner of this most central and mysterious image.

## **BRONZE AGE CHINA**

China entered its Bronze Age in the second millennium BCE. As with agriculture, scholars at first theorized that the technology had been imported from the Near East. Archaeological evidence now makes clear, however, that bronze casting using the **piece-mold casting** technique arose independently in China, where it attained an unparalleled level of excellence (see "Piece-Mold Casting," opposite).

#### SHANG DYNASTY

Traditional Chinese histories tell of three Bronze Age dynasties: the Xia, the Shang, and the Zhou. Experts at one time tended to dismiss the Xia and Shang as legendary, but twentieth-century archaeological discoveries fully established the historical existence of the Shang (c. 1700–1100 BCE) and point strongly to the historical existence of the Xia as well.

Shang kings ruled from a succession of capitals in the Yellow River Valley, where archaeologists have found walled cities, palaces, and vast royal tombs. Their state was surrounded by numerous other states—some rivals, others clients—and their culture spread widely. Society seems to have been highly stratified, with a ruling group that had the bronze technology needed to make weapons. They maintained their authority in part by claiming power as intermediaries between the supernatural and human realms. The chief Shang deity, Shangdi, may have been a sort of "Great Ancestor." It is thought that nature and fertility spirits were also honored, and that regular sacrifices were thought necessary to keep the spirits of dead ancestors vital so that they might help the living.

Shang priests communicated with the supernatural world through oracle bones. An animal bone or piece of tortoiseshell was inscribed with a question and heated until it cracked, then the crack was interpreted as an answer. Oracle bones, many of which have been recovered and deciphered, contain the earliest known form of Chinese writing, a script fully recognizable as the ancestor of the system still in use today (see "Chinese Characters," page 331).

RITUAL BRONZES. Shang tombs reveal a warrior culture of great splendor and violence. Many humans and animals were sacrificed to accompany the deceased. In one tomb, for example, chariots were found with the skeletons of their horses and drivers; in another, dozens of human skeletons lined the approaches to the central burial chamber. The tombs contain hundreds of jade, ivory, and lacquer objects, gold and silver ornaments, and bronze vessels. The enormous scale of Shang burials illustrates the great wealth of the civilization and the power of a ruling class able to consign such great quantities of treasure to the earth, and also suggests this culture's reverence for the dead.

Bronze vessels are the most admired and studied of Shang artifacts. Like oracle bones and jade objects, they were connected with ritual practices, serving as containers for offerings of food and wine. A basic repertoire of about 30 shapes evolved. Some shapes derive from earlier pottery forms, while others seem to reproduce wooden containers. Still others are highly sculptural and take the form of fantastic composite animals.

One functional shape, the **fang ding**, a rectangular vessel with four legs, was used for food offerings. Early examples (see "Piece-Mold Casting," oppposite) featured decoration of raised bosses and mask-like (*taotie*) motifs in horizontal registers on the sides and the legs. A late Shang example, one of hundreds of vessesls recovered from the royal tombs near the last of the Shang capitals, Yin

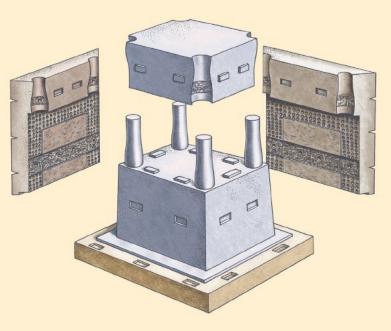
## **TECHNIQUE | Piece-mold Casting**

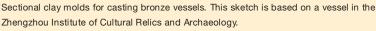
The early piece-mold technique for bronze casting is different from the lost-wax process developed in the ancient Mediterranean and Near East. Although we do not know the exact steps ancient Chinese artists followed, we can deduce the general procedure for casting a vessel.

First, a model of the bronze-to-be was made of clay and dried. Then, to create a mold, damp clay was pressed onto the model; after the clay mold dried, it was cut away in pieces, which were keyed for later reassembly and then fired. The original model itself was shaved down to serve as the core for the mold. After this, the pieces of the mold were reassembled around the core and held in place by bronze spacers, which locked the core in position and ensured an even casting space around the core. The reassembled mold was then

covered with another layer of clay, and a sprue, or pouring duct, was cut into the clay to receive the molten metal. A riser duct may also have been cut to allow the hot gases to escape. Molten bronze was then poured into the mold. When the metal cooled, the mold was broken apart to reveal a bronze copy of the original clay model. Finely cast relief decoration could be worked into the model or carved into the sectional molds, or both. Finally, the vessel could be burnished—a long process that involved scouring the surface with increasingly fine abrasives.

The vessel shown here is a *fang ding*. A *ding* is a ceremonial cooking vessel used in Shang rituals and buried in Shang tombs. The Zhou people also made, used, and buried *ding* vessels.







(present-day Anyang), is extraordinary for its size. Weighing nearly 2,000 pounds, it is the largest Shang *ding* vessel thus far recovered. In typical Shang style, its surface is decorated with a complex array of images based on animal forms, including *taotie* masks, confronting horned animals (dragons?) and composite beaked animals (birds?). A ritual pouring vessel, called a *guang* (FIG. 10–5), shows a highly sculptural rendition of animal forms. The pouring spout and cover are modeled as the head and body of a tiger, while the rear portion of the vessel and cover is conceived as an owl. Overall geometric decoration combines with suggestive zoomorphic forms. Such images seem to be related to the hunting life of the Shang, but their deeper significance is unknown. Sometimes strange, sometimes fearsome, Shang creatures seem always to have a sense of mystery, evoking the Shang attitude toward the supernatural world.

#### ZHOU DYNASTY

Around 1100 BCE, the Shang were conquered by the Zhou from western China. During the Zhou dynasty (1100–221 BCE) a feudal society developed, with nobles related to the king ruling over numerous small states. (Zhou nobility are customarily ranked in English by such titles as duke and marquis.) The supreme deity became known as Tian, or Heaven, and the king ruled as the Son of Heaven. Later Chinese ruling dynasties continued to follow the belief that imperial rule emanated from a mandate from Heaven.

The first 300 years of this longest-lasting Chinese dynasty were generally stable and peaceful. In 771 BCE, however, the Zhou suffered defeat in the west at the hands of a nomadic tribe. Although they quickly established a new capital to the east, their authority had been crippled, and the later Eastern Zhou period was a troubled one. States grew increasingly independent, giving



10-5 • COVERED RITUAL WINE-POURING VESSEL (GUANG) WITH TIGER AND OWL DÉCOR

Shang dynasty, 13th century BCE. Cast bronze, height with cover  $9^34''$  (25 cm), width including handle  $12^34''$  (31.5 cm). Arthur M. Sackler Museum, Harvard Art Museum, Cambridge, Massachusetts. Bequest of Grenville L. Winthrop 1943.52.103

the Zhou kings merely nominal allegiance. Smaller states were swallowed up by their larger neighbors. During the time historians call the Spring and Autumn period (722–481 BCE), 10 or 12 states, later reduced to seven, emerged as powers. During the ensuing Warring States period (481–221 BCE) intrigue, treachery, and increasingly ruthless warfare became routine.

Against this background of social turmoil, China's great philosophers arose—such thinkers as Confucius, Laozi, and Mozi. Traditional histories speak of China's "one hundred schools" of philosophy, indicating a shift of focus from the supernatural to the human world. Nevertheless, elaborate burials on an even larger scale than before reflected the continuation of traditional beliefs.

BRONZE BELLS. Ritual bronze objects continued to play an important role during the Zhou dynasty, and new forms developed. One of the most spectacular recent discoveries is a carillon of 65 bronze components, mostly bells arranged in a formation 25 feet long (FIG. 10–6), found in the tomb of Marquis Yi of the state of

Zeng. Each bell is precisely calibrated to sound two tones—one when struck at the center, another when struck at a corner. The bells are arranged in scale patterns in a variety of registers, and several musicians would have moved around the carillon, striking the bells in the appointed order.

Music may well have played a part in rituals for communicating with the supernatural, for the *taotie* typically appears on the front and back of each bell. The image is now much more intricate and stylized, partly in response to the refinement available with the lost-wax casting process (see "Lost-Wax Casting," page 413), which had replaced the older piece-mold technique. On the coffin of the marquis are painted guardian warriors with half-human, half-animal attributes. The marquis, who died in 433 BCE, must have considered music important, for among the more than 15,000 objects recovered from his tomb were many musical instruments. Zeng was one of the smallest and shortest-lived states of the Eastern Zhou, but the contents of this tomb, in quantity and quality, attest to the high level of its culture.



## ART AND ITS CONTEXTS

## Chinese Characters

Each word in Chinese is represented by its own unique symbol, called a character. Some characters originated as **pictographs**, images that mean what they depict. Writing reforms over the centuries have often disguised the resemblance, but if we place modern characters next to their ancestors, the picture comes back into focus:



Other characters are **ideographs**, pictures that represent abstract concepts or ideas:

sun	+	moon	=	bright
4		月		明
woman	+	child	=	good
女		子		好

Most characters were formed by combining a radical, which gives the field of meaning, with a phonetic, which originally hinted at pronunciation. For example, words that have to do with water have the character for "water" abbreviated to three strokes as their radical. Thus "to bathe," pronounced mu, consists of the water radical and the phonetic and is also pronounced mu. Here are other "water" characters. Notice that the connection to water is not always literal.



These phonetic borrowings took place centuries ago. Many words have shifted in pronunciation, and for this and other reasons there is no way to tell how a character is pronounced or what it means just by looking at it. While at first this may seem like a disadvantage, in the case of Chinese it is advantageous. Spoken Chinese has many dialects. Some are so far apart in sound as to be virtually different languages. But while speakers of different dialects cannot understand each other, they can still communicate through writing, for no matter how they say a word, they write it with the same character. Writing has thus played an important role in maintaining the unity of Chinese civilization through the centuries.



10-6 • SET OF BELLS

From the tomb of Marquis Yi of Zeng, Suixian, Hubei. Zhou dynasty, 433 BCE. Bronze, with bronze and timber frame, frame height 9' (2.74 m), length 25' (7.62 m). Hubei Provincial Museum, Wuhan.

## THE CHINESE EMPIRE: QIN DYNASTY

Toward the middle of the third century BCE, the state of Qin launched military campaigns that led to its triumph over the other states by 221 BCE. For the first time in its history, China was united under a single ruler. This first emperor of Qin, Shihuangdi, a man of exceptional ability, power, and ruthlessness, was fearful of both assassination and rebellion. Throughout his life, he sought ways to attain immortality. Even before uniting China, he began his own mausoleum at Lintong, in Shaanxi Province. This project continued throughout his life and after his death, until rebellion abruptly ended the dynasty in 206 BCE. Since that time, the mound over the mausoleum has always been visible, but not until an accidental discovery in 1974 was its army of terra-cotta soldiers and horses even imagined (SEE FIG. 10-1). Modeled from clay and then fired, the figures claim a prominent place in the great tradition of Chinese ceramic art. Individualized faces and meticulously rendered uniforms and armor demonstrate the sculptors' skill. Literary sources suggest that the tomb itself, which has not yet been opened, reproduces the world as it was known to the Qin, with stars overhead and rivers and mountains below. Thus did the tomb's architects try literally to ensure that the underworld—the world of souls and spirits—would match the human world.

Qin rule was harsh and repressive. Laws were based on a totalitarian philosophy called legalism, and all other philosophies were banned, their scholars executed, and their books burned. Yet the Qin also established the mechanisms of centralized bureaucracy that molded China both politically and culturally into a single entity. Under the Qin, the country was divided into provinces and prefectures, the writing system and coinage were standardized, roads were built to link different parts of the country with the capital, and battlements on the northern frontier were connected to form the Great Wall. To the present day, China's rulers have followed the administrative framework first laid down by the Qin.

## HAN DYNASTY

The commander who overthrew the Qin became the next emperor and founded the Han dynasty (206 BCE–220 CE). During this period the Chinese enjoyed peace, prosperity, and stability. Borders were extended and secured, and Chinese control over strategic stretches of Central Asia led to the opening of the Silk Road, a land route that linked China by trade all the way to Rome. One of the precious goods traded, along with spices, was silk, which had been cultivated and woven in China since at least the third millennium BCE. From as early as the third century BCE, Chinese silk cloth was treasured in Greece and Rome (for more on this topic, see "The Silk Road during the Tang Period," page 342).

PANTED BANNER FROM CHANGSHA. The early Han dynasty marks the twilight of China's so-called mythocentric age, when people believed in a close relationship between the human and supernatural



**10-7 • PAINTED BANNER**From the tomb of the Marquess of Dai, Mawangdui,
Changsha, Hunan. Han dynasty, c. 160 BCE. Colors on silk,
height 6'8<sup>1</sup>/<sub>2</sub>" (2.05 m). Hunan Provincial Museum.

worlds. The most elaborate and most intact painting that survives from this time is a T-shaped silk banner, which summarizes this early worldview (FIG. 10–7). Found in the tomb of a noblewoman on the outskirts of present-day Changsha, the banner dates from

the second century BCE and is painted with scenes representing three levels of the universe: heaven, earth, and underworld. The pictorial motifs include a portrait of the deceased.

The heavenly realm is shown at the top, in the crossbar of the T. In the upper-right corner is the sun, inhabited by a mythical crow; in the upper left, a mythical toad stands on a crescent moon. Between them is a primordial deity shown as a man with a long serpent's tail—a Han image of the Great Ancestor. Dragons and other celestial creatures swarm below.

A gate guarded by two seated figures stands where the horizontal of heaven meets the banner's long, vertical stem. Two intertwined dragons loop through a circular jade piece known as a bi, itself usually a symbol of heaven, dividing this vertical segment into two areas. The portion above the bi represents the earthly realm. Here, the deceased woman and three attendants stand on a platform while two kneeling figures offer gifts. The portion beneath the bi represents the underworld. Silk draperies and a stone chime hanging from the bi form a canopy for the platform below. Like the bronze bells we saw earlier, stone chimes were ceremonial instruments dating from Zhou times. On the platform, ritual bronze vessels contain food and wine for the deceased, just as they did in Shang tombs. The squat, muscular man holding up the platform stands in turn on a pair of fish whose bodies form another bi. The fish and the other strange creatures in this section are inhabitants of the underworld.

#### PHILOSOPHY AND ART

The Han dynasty marked the beginning of a new age. During this dynasty, the philosophical ideals of Daoism and Confucianism, formulated during the troubled times of the Eastern Zhou, became central to Chinese thought. Their influence since then has been continuous and fundamental.

DAOISM AND NATURE. Daoism emphasizes the close relationship between humans and nature. It is concerned with bringing the individual life into harmony with the Dao, or the Way, of the universe (see "Daoism," page 334). For some a secular, philosophical path, Daoism on a popular level developed into an organized religion, absorbing many traditional folk practices and the search for immortality.

Immortality was as intriguing to Han rulers as it had been to the first emperor of Qin. Daoist adepts experimented with diet, physical exercise, and other techniques in the belief that immortal life could be achieved on earth. Popular Daoist legend told of the Land of Immortals in the Eastern Sea, depicted on a bronze **INCENSE BURNER** from the tomb of Prince Liu Sheng, who died in 113 BCE (FIG. 10–8). Around the bowl, gold inlay outlines the stylized waves of the sea. Above them rises the mountainous island, busy with birds, animals, and the immortals themselves, all cast in bronze with highlights of inlaid gold. Technically, this exquisite piece represents the ultimate development of the long tradition of bronze casting in China.



**10-8** • **INCENSE BURNER**From the tomb of Prince Liu Sheng, Mancheng, Hebei. Han dynasty, 113 BCE. Bronze with gold inlay, height 10½" (26 cm). Hebei Provincial Museum, Shijiazhuang.

CONFUCIANISM AND THE STATE. In contrast to the metaphysical focus of Daoism, Confucianism is concerned with the human world, and its goal is the attainment of equity. To this end, it proposes a system of ethics based on reverence for ancestors and the correct relationships among people. Beginning with self-discipline in the individual, Confucianism teaches how to rectify relationships within the family, and then, in ever-widening circles, with friends and others, all the way up to the level of the emperor and the state (see "Confucius and Confucianism," page 337).

Emphasis on social order and respect for authority made Confucianism especially attractive to Han rulers, who were eager to distance themselves from the disastrous legalism of the Qin. The Han emperor Wudi (r. 141–87 BCE) made Confucianism the official imperial philosophy, and it remained the state ideology of China for more than 2,000 years, until the end of imperial rule in the twentieth century. Once institutionalized, Confucianism took on so many rituals that it too eventually assumed the form and force of a religion. Han philosophers contributed to this process by



## ART AND ITS CONTEXTS

## Daoism

Daoism is an outlook on life that brings together many ancient ideas regarding humankind and the universe. Its primary text, a slim volume called the *Daodejng (The Way and Its Power)*, is ascribed to the Chinese philosopher Laozi, who is said to have been a contemporary of Confucius (551–479 BCE). Later, a philosopher named Zhuangzi (369–286 BCE) took up many of the same ideas in a book that is known simply by his name: *Zhuangzi*. Together the two texts formed a body of ideas that crystallized into a school of thought during the Han period.

A dao is a way or path. The Dao is the Ultimate Way, the Way of the universe. The Way cannot be named or described, but it can be hinted at. It is like water. Nothing is more flexible and yielding, yet water can wear down the hardest stone. Water flows downward, seeking the lowest ground. Similarly, a Daoist sage seeks a quiet life, humble and hidden, unconcerned with worldly success. The Way is great precisely because it is small. The Way may be nothing, yet nothing turns out to be essential.

To recover the Way, we must unlearn. We must return to a state of nature. To follow the Way, we must practice wu wei (nondoing). "Strive for nonstriving," advises the Daode jing.

All our attempts at asserting ourselves, at making things happen, are like swimming against a current and are thus ultimately futile, even harmful. If we let the current carry us, however, we will travel far. Similarly, a life that follows the Way will be a life of pure effectiveness, accomplishing much with little effort.

It is often said that the Chinese are Confucians in public and Daoists in private, and the two approaches do seem to balance each other. Confucianism is a rational political philosophy that emphasizes propriety, deference, duty, and self-discipline. Daoism is an intuitive philosophy that emphasizes individualism, nonconformity, and a return to nature. If a Confucian education molded scholars outwardly into responsible, ethical officials, Daoism provided some breathing room for the artist and poet inside.

infusing Confucianism with traditional Chinese cosmology. They emphasized the Zhou idea, taken up by Confucius, that the emperor ruled by the mandate of Heaven. Heaven itself was reconceived more abstractly as the moral force underlying the universe. Thus the moral system of Confucian society became a reflection of universal order (see "Confucius and Confucianism," page 337).

Confucian subjects turn up frequently in Han art. Among the most famous examples are the reliefs from the Wu family shrines built in 151 CE in Jiaxiang. Carved and engraved in low relief on stone slabs, the scenes were meant to teach Confucian themes such as respect for the emperor, filial piety, and wifely devotion. Daoist motifs also appear, as do figures from traditional myths and legends. Such mixed iconography is characteristic of Han art (see "A Closer Look," opposite).

When compared with the Han-dynasty banner (SEE FIG. 10–7), this late Han relief clearly shows the change that took place in the Chinese worldview in the span of 300 years. The banner places equal emphasis on heaven, earth, and the underworld; human beings are dwarfed by a great swarming of supernatural creatures and divine beings. In the relief in the Wu shrine, the focus is clearly on the human realm. The composition conveys the importance of the emperor as the holder of the

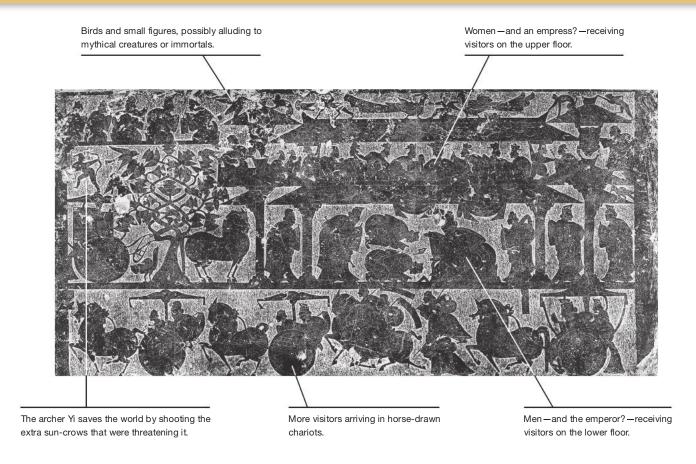
#### 10-9 • TOMB MODEL OF A HOUSE

Eastern Han dynasty, 1st–mid 2nd century ce. Painted earthenware,  $52 \times 33^1 / \times 27''$  (132.1  $\times$  85.1  $\times$  68.6 cm). The Nelson-Atkins Museum of Art, Kansas City, Missouri. Purchase, Nelson Trust (33-521)



## Rubbing of a Stone Relief >

Detail from a rubbing of a stone relief in the Wu family shrine (Wuliangci). Jiaxiang, Shandong. Han dynasty, 151 ce.  $27\frac{1}{2} \times 66\frac{1}{2}$ " (70  $\times$  169 cm).



SEE MORE: View the Closer Look feature for the Rubbing of a Stone Relief in the Wu Family Shrine (Wuliangci) www.myartslab.com

mandate of Heaven and illustrates fundamental Confucian themes of social order and decorum.

#### **ARCHITECTURE**

Contemporary literary sources are eloquent on the wonders of the Han capital. Unfortunately, nothing of Han architecture remains except ceramic models. One model of a house found in a tomb, where it was provided for the dead to use in the afterlife, represents a Han dwelling (FIG. 10–9). Its four stories are crowned with a watchtower and face a small walled courtyard. Pigs and oxen probably occupied the ground floor, while the family lived in the upper stories.

Aside from the multi-level construction, the most interesting feature of the house is the **bracketing** system (architectural elements projecting from the wall) that supports the rather broad eaves of its tiled roofs. Bracketing became a standard element of east Asian

architecture, not only in private homes but more typically in palaces and temples (SEE, FOR EXAMPLE, FIG. 10–15). Another interesting aspect of the model is the elaborate painting on the exterior walls. Much of the painting is purely decorative, though some of it illustrates structural features such as posts and lintels. Still other images evoke the world outdoors, for example, the trees flanking the gateway with crows perched in their branches. Literary sources describe the walls of Han palaces as decorated with paint and lacquer, and also inlaid with precious metals and stones.

## SIX DYNASTIES

With the fall of the Han in 220 CE, China splintered into three warring kingdoms. In 280 CE the empire was briefly reunited, but invasions by nomadic peoples from central Asia, a source of disruption throughout Chinese history, soon forced the court to

flee south. For the next three centuries, northern and southern China developed separately. In the north, 16 kingdoms carved out by invaders rose and fell before giving way to a succession of largely foreign dynasties. Warfare was commonplace. Tens of thousands of Chinese fled south, where six short-lived dynasties succeeded each other in an age of almost constant turmoil broadly known as the Six Dynasties period or the period of the Southern and Northern dynasties (265–589 CE).

In such chaos, the Confucian system lost influence. In the south especially, many intellectuals—the creators and custodians of China's high culture—turned to Daoism, which contained a strong escapist element. Educated to serve the government, they increasingly withdrew from public life. They wandered the landscape, drank, wrote poems, practiced calligraphy, and expressed their disdain for the world through willfully eccentric behavior.

The rarefied intellectual escape route of Daoism was available only to the educated elite. Far more people sought answers in the magic and superstitions of Daoism in its religious form. Though weak and disorganized, the southern courts continued to patronize traditional Chinese culture, and Confucianism remained the official doctrine. Yet ultimately it was a newly arrived religion, Buddhism, that flourished in the troubled China of the Six Dynasties.

#### **PAINTING**

Although few paintings survive from the Six Dynasties, abundant descriptions in literary sources make clear that the period was an important one for painting. Landscape, later a major theme of Chinese art, first appeared as a subject during this era. For Daoists, wandering through China's countryside was a source of spiritual refreshment. Painters and scholars of the Six Dynasties found that wandering in the mind's eye through a painted landscape could serve the same purpose. This new emphasis on the spiritual value

of painting contrasted with the Confucian view, which had emphasized art's moral and didactic uses.

Reflections on the tradition of painting also inspired the first works on theory and aesthetics. Some of the earliest and most succinct formulations of the ideals of Chinese painting are the six principles set out by the scholar Xie He (fl. c. 500–535 CE). The first two principles in particular offer valuable insight into the spirit in which China's painters worked.

The first principle announces that "spirit consonance" imbues a painting with "life's movement." This "spirit" is the Daoist qi, the breath that animates all creation, the energy that flows through all things. When a painting has qi, it will be alive with inner essence, not merely outward resemblance. Artists must cultivate their own spirit so that this universal energy flows through them and infuses their work. The second principle recognizes that brushstrokes are the "bones" of a picture, its primary structural element. Traditional Chinese judge a painting above all by the quality of its brushwork. Each brushstroke is a vehicle of expression; it is through the vitality of a painter's brushwork that "spirit consonance" makes itself felt. We can sense this attitude already in the rapid, confident brushstrokes that outline the figures of the Han banner (SEE FIG. 10-7) and again in the more controlled, rhythmical lines of one of the most important works associated with this period, a painted scroll known as Admonitions of the Imperial Instructress to Court Ladies. Attributed to the painter Gu Kaizhi (344-407 CE), it alternates illustrations and text to relate seven Confucian stories of wifely virtue from Chinese history.

The first illustration depicts the courage of Lady Feng (FIG. 10–10). An escaped circus bear rushes toward her husband, a Han emperor, who is filled with fear. Behind his throne, two female servants have turned to run away. Before him, two male attendants, themselves on the verge of panic, try to fend off the bear with



10-10 • After Gu Kaizhi DETAIL OF ADMONITIONS OF THE IMPERIAL INSTRUCTRESS TO COURT LADIES

Six Dynasties period. Handscroll, ink and colors on silk,  $9\frac{3}{4}$ " × 11'6" (24.8 × 348.2 cm). British Museum, London.



## ART AND ITS CONTEXTS

## Confucius and Confucianism

Confucius was born in 551 BCE in the state of Lu, roughly present-day Shandong Province, into a declining aristocratic family. While still in his teens he set his heart on becoming a scholar; by his early twenties he had begun to teach.

By this time, wars for supremacy had begun among the various states of China, and the traditional social fabric seemed to be breaking down. Looking back to the early Zhou dynasty as a sort of golden age, Confucius thought about how a just and harmonious society could again emerge. For many years he sought a ruler who would put his ideas into effect, but to no avail. Frustrated, he spent his final years teaching. After his death in 479 BCE, his conversations with his students were collected by his disciples and their followers into a book known in English as the *Analects*, which is the only record of his words.

At the heart of Confucian thought is the concept of *ren* (humanheartedness). *Ren* emphasizes morality and empathy as the basic standards for all human interaction. The virtue of *ren* is most fully realized in the Confucian ideal of the *junzi* (gentleman). Originally indicating noble birth, the term was redefined to mean one who through education and self-cultivation had become a superior person, right-thinking and right-acting in all situations. A *junzi* is the opposite of a petty or small-minded person. His characteristics include

moderation, integrity, self-control, loyalty, reciprocity, and altruism. His primary concern is justice.

Together with human-heartedness and justice, Confucius emphasized *li* (etiquette). *Li* includes everyday manners as well as ritual, ceremony, and protocol—the formalities of all social conduct and interaction. Such forms, Confucius felt, choreographed life so that an entire society moved in harmony. *Ren* and *li* operate in the realm of the Five Constant Relationships that define Confucian society: parent and child, husband and wife, elder sibling and younger sibling, elder friend and younger friend, ruler and subject. Deference to age is clearly built into this view, as is the deference to authority that made Confucianism attractive to emperors. Yet responsibilities flow the other way as well: The duty of a ruler is to earn the loyalty of subjects, of a husband to earn the respect of his wife, of age to guide youth wisely.

During the early years of the People's Republic of China, and especially during the Great Proletarian Cultural Revolution (1966–1976), Confucius and Confucian thought were denigrated. Recently, however, Confucian temples in Beijing and elsewhere have been restored. Notably, the Chinese government has used the philosopher's name officially in establishing hundreds of Confucius Institutes in more than 80 countries, to promote the learning of the Chinese language abroad.

spears. Only Lady Feng is calm as she rushes forward to place herself between the beast and the emperor.

The figures are drawn with a brush in a thin, even-width line, and a few outlined areas are filled with color. Facial features, especially those of the men, are quite well depicted. Movement and emotion are shown through conventions such as the scarves flowing from Lady Feng's dress, indicating that she is rushing forward, and the upturned strings on both sides of the emperor's head, suggesting his fear. There is no hint of a setting; instead, the artist relies on careful placement of the figures to create a sense of depth.

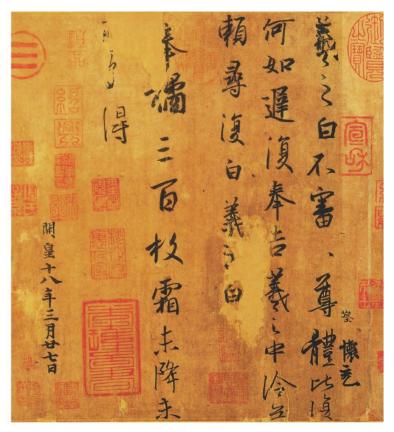
The painting is on silk, which was typically woven in bands about 12 inches wide and up to 20 or 30 feet long. Early Chinese painters thus developed the format used here, the **handscroll**—a long, narrow, horizontal composition, compact enough to be held in the hand when rolled up. Handscrolls are intimate works, meant to be viewed by only two or three people at a time. They were not displayed completely unrolled as we commonly see them today in museums. Rather, viewers would open a scroll and savor it slowly from right to left, displaying only an arm's length at a time.

#### CALLIGRAPHY

The emphasis on the expressive quality and structural importance of brushstrokes finds its purest embodiment in calligraphy. The same brushes are used for both painting and calligraphy, and a relationship between them was recognized as early as Han times. In his teachings, Confucius had extolled the importance of the pursuit of knowledge and the arts. Among the visual arts, painting was felt to reflect moral concerns, while calligraphy was believed to reveal the character of the writer.

Calligraphy is regarded as one of the highest forms of expression in China. For more than 2,000 years, China's **literati**, Confucian scholars and literary men who also served the government as officials, have enjoyed being connoisseurs and practitioners of this abstract art. During the fourth century CE, calligraphy came to full maturity. The most important practitioner of the day was Wang Xizhi (c. 307–365), whose works have served as models of excellence for all subsequent generations. The example here comes from a letter, now somewhat damaged and mounted as part of an album, known as *Feng Ju* (FIG. 10–11).

Feng Jt is an example of "walking" or semicursive style, which is neither too formal nor too free but is done in a relaxed, easygoing manner. Brushstrokes vary in width and length, creating rhythmic vitality. Individual characters remain distinct, yet within each character the strokes are run together and simplified as the brush moves from one to the other without lifting off the page. The effect is fluid and graceful, yet still strong and dynamic. The



10-11 • Wang Xizhi PORTION OF A LETTER FROM THE FENG JU ALBUM

Six Dynasties period, mid-4th century ce. Ink on paper,  $9^34\times18^12''$  (24.7  $\times$  46.8 cm). National Palace Museum, Taibei, Taiwan, Republic of China.

The stamped characters that appear on Chinese artworks are **seals**—personal emblems. The use of seals dates from the Zhou dynasty, and to this day seals traditionally employ the archaic characters, known appropriately as "seal script," of the Zhou or Qin. Cut in stone, a seal may state a formal, given name, or it may state any of the numerous personal names that China's painters and writers adopted throughout their lives. A treasured work of art often bears not only the seal of its maker, but also those of collectors and admirers through the centuries. In the Chinese view, these do not disfigure the work but add another layer of interest. This sample of Wang Xizhi's calligraphy, for example, bears the seals of two Song-dynasty emperors, a Song official, a famous collector of the sixteenth century, and two Qing-dynasty emperors of the eighteenth and nineteenth centuries.

walking style as developed by Wang Xizhi came to be officially accepted and learned along with other script styles.

#### **BUDDHIST ART AND ARCHITECTURE**

Buddhism originated in India during the fifth century BCE (see Chapter 9), then gradually spread north into central Asia. With the opening of the Silk Road during the Han dynasty, its influence reached China. To the Chinese of the Six Dynasties, beset by constant warfare and social devastation, Buddhism offered consolation in life and the promise of salvation after death. The faith spread throughout the country to all social levels, first in the north, where many of the invaders promoted it as the official religion, then

slightly later in the south, where it found its first great patron in the emperor Liang Wu Di (r. 502–549 CE). Thousands of temples and monasteries were built, and many people became monks and nuns.

Almost nothing remains in China of the Buddhist architecture of the Six Dynasties, but we can see what it must have looked like in the Japanese temple Horyuji (SEE FIG. 11–4), which was based on Chinese models of this period. The slender forms and linear grace of Horyuji might be compared to the figures in Gu Kaizhi's handscroll (SEE FIG. 10–10), and they indicate the delicate, almost weightless style cultivated in southern China.

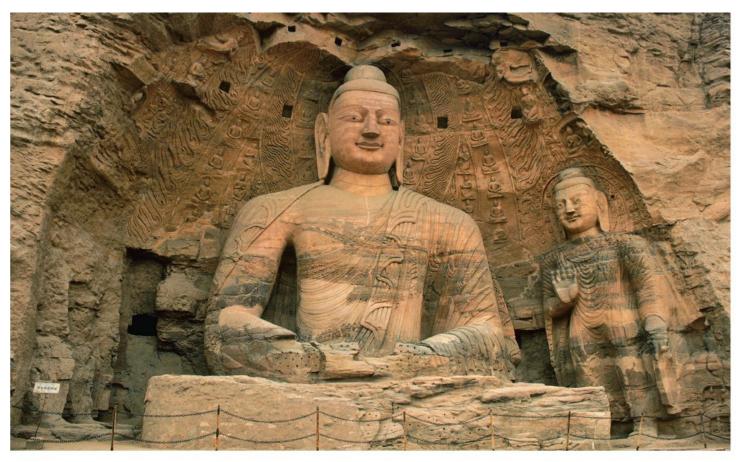
ROCK-CUT CAVES OF THE SILK ROAD. The most impressive works of Buddhist art surviving from the Six Dynasties are the hundreds of northern rock-cut caves along the trade routes between Xin jiang in central Asia and the Yellow River Valley. Both the caves and the sculptures that fill them were carved from the solid rock of the cliffs. Small caves high above the ground were retreats for monks and pilgrims, while larger caves at the base of the cliffs were wayside shrines and temples.

The caves at Yungang, in Shanxi Province in central China, contain many examples of the earliest phase of Buddhist sculpture in China, including the monumental seated Buddha in Cave 20 (FIG. 10–12). The figure was carved in the latter part of the fifth century by the imperial decree of a ruler of the Northern Wei dynasty (386–534 CE), the longest-lived and most stable of the northern kingdoms. Most Wei rulers were avid patrons of Buddhism, and under their rule the religion made its greatest advances in the north.

The front part of the cave has crumbled away, and the 45-foot statue, now exposed to the open air, is clearly visible from a distance. The elongated ears, protuberance on the head (ushnisha), and monk's robe are traditional attributes of the Buddha. The masklike face, full torso, massive shoulders, and shallow, stylized drapery indicate strong central Asian influence. The overall effect of this colossus is remote and austere, less human than the more sensuous expression of the early Buddhist traditions in India.

## SUI AND TANG DYNASTIES

In 581 CE, a general from the last of the northern dynasties replaced a child emperor and established a dynasty of his own, the Sui. Defeating all opposition, he molded China into a centralized empire as it had been in Han times. The short-lived Sui dynasty fell in 618, but, in reunifying the empire, paved the way for one of the greatest dynasties in Chinese history: the Tang (618–907). Even today many Chinese living abroad still call themselves "Tang people." To them, Tang implies that part of the Chinese character that is strong and vigorous (especially in military power), noble and idealistic, but also realistic and pragmatic.



10-12 • SEATED BUDDHA, CAVE 20, YUNGANG Datong, Shanxi. Northern Wei dynasty, c. 460. Stone, height 45' (13.7 m).

#### **BUDDHIST ART AND ARCHITECTURE**

The new Sui emperor was a devout Buddhist, and his reunification of China coincided with a fusion of the several styles of Buddhist sculpture that had developed. This new style is seen in a bronze altar to Amitabha Buddha (FIG. 10–13), one of the many Buddhas of Mahayana Buddhism. Amitabha dwelled in the Western Pure Land, a paradise into which his faithful followers were promised rebirth. With its comparatively simple message of salvation, the Pure Land sect eventually became the most popular form of Buddhism in China and one of the most popular in Japan (see Chapter 11).

The altar depicts Amitabha in his paradise, seated on a lotus throne beneath a canopy of trees. Each leaf cluster is set with jewels. Seven celestial figures sit on the topmost clusters, and ropes of "pearls" hang from the tree trunks. Behind Amitabha's head is a halo of flames. To his left, the bodhisattva Guanyin holds a pomegranate; to his right, another bodhisattva clasps his hands in prayer. Behind are four disciples who first preached the teachings of the Buddha. On the lower level, an incense burner is flanked by

## 10-13 • ALTAR TO AMITABHA BUDDHA

Sui dynasty, 593. Bronze, height  $30^1 \ell''$  (76.5 cm). Museum of Fine Arts, Boston. Gift of Mrs. W. Scott Fitz (22.407) and Gift of Edward Holmes Jackson in memory of his mother, Mrs. W. Scott Fitz (47.1407–1412)





10–14 • THE WESTERN PARADISE OF AMITABHA BUDDHA Detail of a wall painting in Cave 217, Dunhuang, Gansu. Tang dynasty, c. 750.  $10'2'' \times 16'$  (3.1  $\times$  4.86 m).

seated lions and two smaller bodhisattvas. Focusing on Amitabha's benign expression and filled with objects symbolizing his power, the altar combines the sensuality of Indian styles, the schematic abstraction of central Asian art, and the Chinese emphasis on linear grace and rhythm into a harmonious new style.

Buddhism reached its greatest development in China during the subsequent Tang Dynasty, which for nearly three centuries ruled China and controlled much of Central Asia. From emperors and empresses to common peasants, virtually the entire country adopted the Buddhist faith. A Tang vision of the most popular sect, Pure Land, was expressed in a wall painting from a cave in Dunhuang (FIG. 10–14). A major stop along the Silk Road, Dunhuang has nearly 500 caves carved out of its sandy cliffs, all filled with painted clay sculpture and decorated with wall paintings from floor to ceiling. The site was worked on continuously from the fourth to the fourteenth century, a period of almost 1,000 years. In the detail shown here, Amitabha Buddha is seated in the center, surrounded by four bodhisattvas, who serve as his messengers to the

world. Two other groups of bodhisattvas are clustered at the right and left. In the foreground, musicians and dancers create a heavenly atmosphere. In the background, great halls and towers rise. The artist has imagined the Western Paradise in terms of the grandeur of Tang palaces. Indeed, the lavish entertainment depicted could just as easily be taking place at the imperial court. This worldly vision of paradise, recorded with great attention to naturalism in the architectural setting, gives us our best visualization of the splendor of Tang civilization at a time when Chang'an (present-day Xi'an) was probably the greatest city in the world.

The early Tang emperors proclaimed a policy of religious tolerance, but during the ninth century a conservative reaction set in. Confucianism was reasserted and Buddhism was briefly persecuted as a "foreign" religion. Thousands of temples, shrines, and monasteries were destroyed and innumerable bronze statues melted down. Nevertheless, several Buddhist structures survive from the Tang dynasty. One of them, the Nanchan Temple, is the earliest important example of surviving Chinese architecture.

**10-15 • NANCHAN TEMPLE, WUTAISHAN**Shanxi. Tang dynasty, 782.

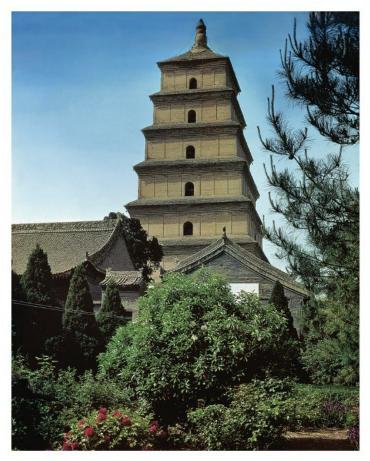
NANCHAN TEMPLE. Of the few structures earlier than 1400 CE to have survived, the Nanchan Temple is the most significant, for it shows characteristics of both temples and palaces of the Tang Dynasty (FIG. 10–15). Located on Mount Wutai (Wutaishan) in the eastern part of Shanxi Province, this small hall was constructed in 782. The tiled roof, seen earlier in the Han tomb model (SEE FIG. 10–9), has taken on a curved silhouette. Quite subtle here, this curve became increasingly pronounced in later centuries. The very broad overhanging eaves are supported by a correspondingly elaborate bracketing system.

Also typical is the bay system of construction, in which a cubic unit of space, a bay, is formed by four posts and their lintels. The bay functioned in Chinese architecture as a **module**, a basic unit of construction. To create larger structures, an architect multiplied the number of bays. Thus the Nanchan Temple—modest in scope with three bays—gives an idea of the vast, multi-storied palaces of the Tang depicted in such paintings as FIGURE 10–14.

GREAT WILD GOOSE PAGODA. Another important monument of Tang architecture is the Great Wild Goose Pagoda at the Ci'en Temple in Chang'an, the Tang capital (FIG. 10–16). The temple was constructed in 645 for the famous monk Xuanzang (600–664) on his return from a 16-year pilgrimage to India. At the Ci'en Temple, Xuanzang taught and translated the materials he had brought back with him.

The **pagoda**, a typical east Asian Buddhist structure, originated in the Indian Buddhist stupa, the elaborate burial mound that housed relics of the Buddha (see "Pagodas," page 345). In India the stupa had developed a multi-storied form in the Gandhara region under the Kushan dynasty (c. 50–250 CE). In China this form blended with a traditional Han watchtower to produce the pagoda. Built entirely in masonry, the Great Wild Goose Pagoda nevertheless imitates the wooden architecture of the time. The walls are decorated in low relief to resemble bays,

and bracket systems are reproduced under the projecting roofs of each story. Although modified and repaired in later times (its seven stories were originally five, and a new finial has been added), the pagoda still preserves the essence of Tang architecture in its simplicity, symmetry, proportions, and grace.



10-16 • GREAT WILD GOOSE PAGODA AT CI'EN TEMPLE, CHANG'AN

Shanxi. Tang dynasty, first erected 645; rebuilt mid 8th century CE.



# THE OBJECT SPEAKS

## The Silk Road during the Tang Period

Under a series of ambitious and forceful Tang emperors, Chinese control once again extended over central Asia. Goods, ideas, and influence flowed along the Silk Road. In the South China Sea, Arab and Persian ships carried on a lively trade with coastal cities. Chinese cultural influence in east Asia was so important that Japan and Korea sent thousands of students to study Chinese civilization.

Cosmopolitan and tolerant, Tang China was confident and curious about the world. Many foreigners came to the splendid new capital Chang'an (present-day Xi'an), and they are often depicted in the art of the period. A ceramic statue of a camel carrying a troupe of musicians reflects the Tang fascination with the "exotic" Turkic cultures of central Asia. The three bearded musicians (one with his back to us) are central Asian, while the two smooth-shaven ones are Han Chinese. Bactrian, or two-humped, camels, themselves exotic central Asian "visitors," were beasts of burden in the caravans that traversed the Silk Road. The stringed lute (which the Chinese called the pipa) came from central Asia to become a lasting part of Chinese music.

Stylistically, the statue reveals a new interest in naturalism, an important trend in both painting and sculpture. Compared with the rigid, staring ceramic soldiers of the first emperor of Qin, this Tang band is alive with gesture and expression. The majestic camel throws its head back; the musicians are vividly captured in mid-performance. Ceramic figurines such as this, produced by the thousands for Tang tombs, offer glimpses into the gorgeous variety of Tang life. The statue's three-color glaze technique was a specialty of Tang ceramicists. The glazes-usually chosen from a restricted palette of amber-yellow, green, and blue were splashed freely and allowed to run over the surface during firing to convey a feeling of spontaneity. The technique is emblematic

of Tang culture itself in its robust, colorful, and cosmopolitan expressiveness.

The Silk Road had first flourished in the second century ce. A 5,000-mile network of caravan routes from the Han capital (near present-day Luoyang, Henan, on the Yellow River) to Rome, it brought Chinese luxury goods to Western markets.

The journey began at the Jade Gate (Yumen) at the westernmost end of the Great Wall, where Chinese merchants turned their goods over to central Asian traders. Goods would change hands many more times before reaching the Mediterranean. Caravans headed first for the nearby desert oasis of Dunhuang. Here northern and southern

routes diverged to skirt the vast Taklamakan Desert. At Khotan, in western China, farther west than the area shown in MAP 10-1, travelers on the southern route could turn off toward a mountain pass into Kashmir, in northern India. Or they could continue on, meeting up with the northern route at Kashgar, on the western border of the Taklamakan, before proceeding over the Pamir Mountains into present-day Afghanistan. There, travelers could turn off into present-day Pakistan and India, or travel west through present-day Uzbekistan, Iran, and Iraq, arriving finally at Antioch, in Syria, on the coast of the Mediterranean. From there, land and sea routes led to Rome.



#### CAMEL CARRYING A GROUP OF MUSICIANS

From a tomb near Xi'an, Shanxi. Tang dynasty, c. mid 8th century ce. Earthenware with three-color glazes, height  $261_6'''$  (66.5 cm). National Museum, Beijing.



## 10-17 • Attributed to Emperor Huizong DETAIL OF LADIES PREPARING NEWLY WOVEN SILK

Copy after a lost Tang dynasty painting by Zhang Xuan. Northern Song dynasty, early 12th century CE. Handscroll, ink and colors on silk,  $14^1/2 \times 57^1/2''$  (36  $\times$  145.3 cm). Museum of Fine Arts, Boston. Chinese and Japanese Special Fund (12.886)

Confucius said of himself, "I merely transmit, I do not create; I love and revere the ancients." In this spirit, Chinese painters regularly copied paintings of earlier masters. Painters made copies both to absorb the lessons of their great predecessors and to perpetuate the achievements of the past. In later centuries, they took up the practice of regularly executing a work "in the manner of" some particularly revered ancient master. This was at once an act of homage, a declaration of artistic allegiance, and a way of reinforcing a personal connection with the past.

#### FIGURE PAINTING

Later artists looking back on their heritage recognized the Tang dynasty as China's great age of figure painting. Unfortunately, very few scroll paintings that can be definitely identified as Tang still exist. We can get some idea of the character of Tang figure painting from the wall paintings of Dunhuang (SEE FIG. 10-14). Another way to savor the particular flavor of Tang painting is to look at copies made by later, Song-dynasty artists. An outstanding example can be seen in Ladies Preparing Newly Woven Silk, attributed to Huizong (r. 1101-1126 CE), the last emperor of the Northern Song dynasty (FIG. 10-17). A long handscroll, it depicts the activities of court women as they weave and iron silk. An inscription on the scroll informs us that the painting is a copy of a famous work by Zhang Xuan, an eighth-century painter known for his depictions of women at the Tang court. The original no longer exists, so we cannot know how faithful the copy is. Still, its refined lines and bright colors seem to share the grace and dignity of Tang sculpture and architecture. Two horses and riders (FIG. 10-18), a man and a woman, made for use as tomb furnishings, reveal more of the robust naturalism and exuberance achieved during the Tang period. Accurate in proportion and lively in demeanor, the figures are not glazed (as is the tomb figure in "The Silk Road during the Tang Period," opposite) but are "coldpainted" using pigments after firing to render details of costume and facial features. The pair are indicative of the lively participation of women as well as men in sport and riding.



## 10-18 • TWO EQUESTRIAN FIGURES

Tang dynasty, first half 8th century CE. Molded, reddish-buff earthenware with cold-painted pigments over white ground, height (male figure) 14½" (37 cm). Arthur M. Sackler Museum, Harvard Art Museum, Cambridge, Massachusetts. Gift of Anthony M. Solomon (2003.207.1-2)

The figures, one male, one female, each have pointed boots and are mounted on a standing, saddled and bridled horse; their hands are positioned to hold the reins. The male figure wears a tall, elaborately embellished hat, and the female figure has her hair arranged in a topknot.

## SONG DYNASTY

A brief period of disintegration followed the fall of the Tang before China was again united, this time under the Song dynasty (960–1279), which established a new capital at Bianjing (present-day Kaifeng), near the Yellow River. In contrast to the outgoing confidence of the Tang, the mood during the Song was more introspective, a reflection of China's weakened military situation. In 1126 the Jurchen tribes of Manchuria invaded China, sacked the capital, and took possession of much of the northern part of the country. Song forces withdrew south and established a new capital at Hangzhou. From this point on, the dynasty is known as the Southern Song (1127–1179), with the first portion called in retrospect the Northern Song (960–1126).

Although China's territory had diminished, its wealth had increased because of advances in agriculture, commerce, and

technology begun under the Tang. Patronage was plentiful, and the arts flourished.

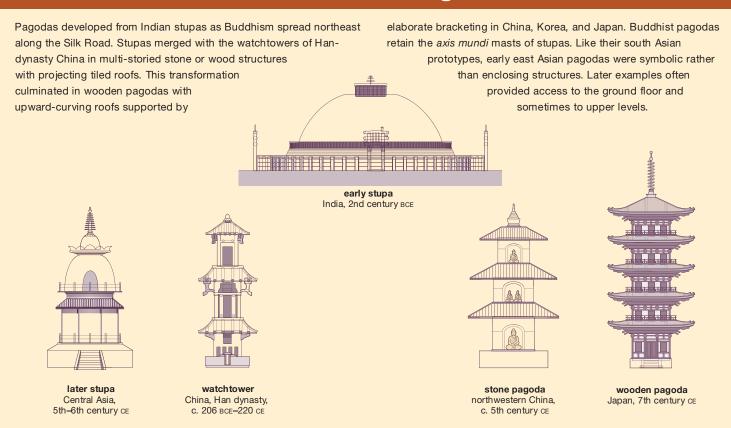
SEATED GUANMN BODHISATTVA. In spite of changing political fortunes in the eleventh and twelfth centuries, artists continued to create splendid works. No hint of political disruption or religious questioning intrudes on the sublime grace and beauty of this seated Guanyin bodhisattva (FIG. 10–19). Bodhisattvas, beings who are close to enlightenment but who voluntarily remain on earth to help others achieve enlightenment, are represented as young princes wearing royal garments and jewelry, their finery indicative of their worldly but virtuous lives. Guanyin is the Bodhisattva of Infinite Compassion, who appears in many guises, in this case as the Water and Moon Guanyin. He sits on rocks by the sea, in the position known as royal ease. His right arm rests on his raised and



10-19 • SEATED GUANYIN BODHISATTVA

Liao dynasty, 10th–12th century ce. Wood with paint and gold,  $95\times65''$  (241.3  $\times$  165.1 cm). The Nelson-Atkins Museum of Art, Kansas City, Missouri. Purchase, Nelson Trust (34–10)

## **ELEMENTS OF ARCHITECTURE | Pagodas**



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bent right knee and his left arm and foot hang down, the foot touching a lotus blossom. The wooden figure was carved in the eleventh or twelfth century in a territory on the northern border of Song China, a region ruled by the Liao dynasty (907–1125); the painting and gilding were restored in the sixteenth century.

Song culture is noted for its refined taste and intellectual grandeur. Where the Tang had reveled in exoticism, eagerly absorbing influences from Persia, India, and Central Asia, Song culture was more self-consciously Chinese. Philosophy experienced its most creative era since the "one hundred schools" of the Zhou. Song scholarship was brilliant, especially in history, and its poetry is noted for its depth. Perhaps the finest expressions of the Song are in art, especially painting and ceramics.

### PHILOSOPHY: NEO-CONFUCIANISM

Song philosophers continued the process, begun during the Tang, of restoring Confucianism to dominance. In strengthening Confucian thought, they drew on Daoist and especially Buddhist ideas, even as they openly rejected Buddhism itself as foreign. These innovations provided Confucianism with a metaphysical aspect it had previously lacked, allowing it to propose a more satisfying, allembracing explanation of the universe. This new synthesis of China's three main paths of thought is called Neo-Confucianism.

Neo-Confucianism teaches that the universe consists of two interacting forces known as li (principle or idea) and qi (matter). All pine trees, for example, consist of an underlying li we might call "Pine Tree Idea" brought into the material world through qi. All the li of the universe, including humans, are but aspects of an eternal first principle known as the Great Ultimate (taij), which is completely present in every object. Our task as human beings is to rid our qi of impurities through education and self-cultivation so that our li may realize its oneness with the Great Ultimate. This lifelong process resembles the striving to attain buddhahood, and if we persist in our attempts, one day we will be enlightened—the term itself comes directly from Buddhism.

## NORTHERN SONG PAINTING

The Neo-Confucian ideas found visual expression in art, especially in landscape, which became the most highly esteemed subject for painting. Northern Song artists studied nature closely to master its many appearances—the way each species of tree grew, the distinctive character of each rock formation, the changes of the seasons, the myriad birds, blossoms, and insects. This passion for realistic detail was the artist's form of self-cultivation: Mastering outward forms showed an understanding of the principles behind them.

Yet despite the convincing accumulation of detail, the paintings



10-20 • Fan Kuan TRAVELERS AMONG MOUNTAINS AND STREAMS

Northern Song dynasty, early 11th century ce. Hanging scroll, ink and colors on silk, height 6'91½" (2.06 m). National Palace Museum, Taibei, Taiwan, Republic of China.

do not record a specific site. The artist's goal was to paint the eternal essence of "mountain-ness," for example, not to reproduce the appearance of a particular mountain. Painting a landscape required an artist to orchestrate his cumulative understanding of *li* in all its aspects—mountains and rocks, streams and waterfalls, trees and grasses, clouds and mist. A landscape painting thus expressed

the desire for the spiritual communion with nature that was the key to enlightenment. As the tradition progressed, landscape also became a vehicle for conveying human emotions, even for speaking indirectly of one's own deepest feelings.

In the earliest times, art reflected the mythocentric worldview of the ancient Chinese. Later, as religion came to dominate people's lives, the focus of art shifted, and religious images and human actions became important subjects. Subsequently, during the Song dynasty, artists developed landscape as the chief means of expression, preferring to avoid direct depiction of the human condition and to show ideals in a symbolic manner. The major form of Chinese artistic expression thus moved from the mythical, through the religious and ethical, and finally to the philosophical and aesthetic.

FAN KUAN. One of the first great masters of Song landscape was the eleventh-century painter Fan Kuan (active c. 990–1030 CE), whose surviving major work, **TRAVELERS AMONG MOUNTAINS**AND STREAMS, is regarded as one of the great monuments of Chinese art (FIG. 10–20). The work is physically large—almost 7 feet high—but the sense of monumentality also radiates from the composition itself, which makes its impression even when much reduced.

The composition unfolds in three stages, comparable to three acts of a drama. At the bottom a large, low-lying group of rocks, taking up about one-eighth of the picture surface, establishes the extreme foreground. The rest of the landscape pushes back from this point. In anticipating the shape and substance of the mountains to come, the rocks introduce the main theme of the work, much as the first act of a drama introduces the principal characters. In the middle ground, travelers and their mules are coming from the right. Their size confirms our human scale—how small we are, how vast is nature. This middle ground takes up twice as much picture surface as the foreground, and, like the second act of a play, shows variation and development. Instead of a solid mass, the rocks here are separated into two groups by a waterfall that is spanned by a bridge. In the hills to the right, the rooftops of a temple stand out above the trees.

Mist veils the transition to the background, with the result that the mountain looms suddenly. This background area, almost twice as large as the foreground and middle ground combined, is the climactic third act of the drama. As our eyes begin their ascent, the mountain solidifies. Its ponderous weight increases as it billows upward, finally bursting into the sprays of energetic brushstrokes that describe the scrubby growth on top. To the right, a slender waterfall plummets, not to balance the powerful upward thrust of the mountain but simply to enhance it by contrast. The whole painting, then, conveys the feeling of climbing a high mountain, leaving the human world behind to come face to face with the Great Ultimate in a spiritual communion.

All the elements are depicted with precise detail and in proper scale. Jagged brushstrokes describe the contours of rocks and trees and express their rugged character. Layers of short, staccato strokes



**10–21 •** Xu Daoning **SECTION OF FISHING IN A MOUNTAIN STREAM** Northern Song dynasty, mid 11th century ce. Handscroll, ink on silk,  $19'' \times 6'10''$  (48.9 cm  $\times$  2.09 m). The Nelson-Atkins Museum of Art, Kansas City, Missouri. Purchase, Nelson Trust (33–1559)

(translated as "raindrop texture" from the Chinese) accurately mimic the texture of the rock surface. Spatial recession from foreground through middle ground to background is logically and convincingly handled, if not quite continuous.

Although it contains realistic details, the landscape represents no specific place. In its forms, the artist expresses the ideal forms behind appearances; in the rational, ordered composition, he expresses the intelligence of the universe. The arrangement of the mountains, with the central peak flanked by lesser peaks on each side, seems to reflect both the ancient Confucian notion of social hierarchy, with the emperor flanked by his ministers, and the Buddhist motif of the Buddha with bodhisattvas at his side. The landscape, a view of nature uncorrupted by human habitation, expresses a kind of Daoist ideal. Thus we find the three strains of Chinese thought united, much as they are in Neo-Confucianism itself.

The ability of Chinese landscape painters to take us out of ourselves and to let us wander freely through their sites is closely linked to the avoidance of perspective as it is understood in the West. Fifteenth-century European painters, searching for fidelity to appearances, developed a scientific system for recording exactly the view that could be seen from a single, fixed vantage point. The goal of Chinese painting is precisely to avoid such limits and show a totality beyond what we are normally given to see. If the ideal for centuries of Western painters was to render what can be seen from a fixed viewpoint, that of Chinese artists was to reveal nature through a distant, all-seeing, and mobile viewpoint.

XU DAONING. The sense of shifting perspective is clearest in the handscroll, where our vantage point changes constantly as we move through the painting. One of the finest handscrolls to survive from the Northern Song is **FISHING IN A MOUNTAIN STREAM (FIG. 10–21)**, a painting executed in the middle of the eleventh century by Xu Daoning (c. 970–c. 1052). Starting from a thatched hut in the right foreground, we follow a path that leads to a broad, open view of a deep vista dissolving into distant mists and mountain peaks. (Remember that viewers observed only a small section of the scroll at a time. To mimic this effect, use two pieces of paper to frame a small viewing area, then move them slowly leftward.) Crossing over

a small footbridge, we are brought back to the foreground with the beginning of a central group of high mountains that show extraordinary shapes. Again our path winds back along the bank, and we have a spectacular view of the highest peaks from another small footbridge the artist has placed for us. At the far side of the bridge, we find ourselves looking up into a deep valley, where a stream lures our eyes far into the distance. We can imagine ourselves resting for a moment in the small pavilion halfway up the valley on the right. Or perhaps we may spend some time with the fishers in their boats as the valley gives way to a second, smaller group of mountains, serving both as an echo of the spectacular central group and as a transition to the painting's finale, a broad, open vista. As we cross the bridge here, we meet travelers coming toward us who will have our experience in reverse. Gazing out into the distance and reflecting on our journey, we again feel that sense of communion with nature that is the goal of Chinese artistic expression.

Such handscrolls have no counterpart in the Western visual arts and are often compared instead to the tradition of Western music, especially symphonic compositions. Both are generated from opening motifs that are developed and varied, both are revealed over time, and in both our sense of the overall structure relies on memory, for we do not see the scroll or hear the composition all at once.

ZHANG ZEDUAN. The Northern Song fascination with precision extended to details within landscape. The emperor Huizong, whose copy of *Ladies Preparing Newly Woven Silk* was seen in FIGURE 10–17, gathered around himself a group of court painters who shared his passion for quiet, exquisitely detailed, delicately colored paintings of birds and flowers. Other painters specialized in domestic and wild animals, still others in palaces and buildings. One of the most spectacular products of this passion for observation is **SPRING FESTIVAL ON THE RIVER**, a long handscroll painted in the late eleventh or early twelfth century by Zhang Zeduan, an artist connected to the court (FIG. 10–22). Beyond its considerable visual delights, the painting is also a valuable record of daily life in the Song capital.

The painting depicts a festival day when local inhabitants and visitors from the countryside thronged the streets. One high



10-22 • Zhang Zeduan SECTION OF SPRING FESTIVAL ON THE RIVER Northern Song dynasty, late 11th-early 12th century ce. Handscroll, ink and colors on silk,  $9^12'' \times 7'4''$  (24.8  $\times$  2.28 m). The Palace Museum, Beijing.

point is the scene reproduced here, which takes place at the Rainbow Bridge. The large boat to the right is probably bringing goods from the southern part of China up the Grand Canal that ran through the city at that time. The sailors are preparing to pass beneath the bridge by lowering the sail and taking down the mast. Excited figures on ship and shore gesture wildly, shouting orders and advice, while a noisy crowd gathers at the bridge railing to watch. Stalls on the bridge are selling food and other merchandise; wine shops and eating places line the banks of the canal. Everyone is on the move. Some people are busy carrying goods, some are shopping, some are simply enjoying themselves. Each figure is splendidly animated and full of purpose; the depiction of buildings and boats is highly detailed, almost encyclopedic.

Little is known about the painter Zhang Zeduan other than that he was a member of the scholar-official class, the highly educated elite of imperial China. His painting demonstrates skill in the fine-line architectural drawing called *jehua* ("ruled-line") painting. Interestingly, some of Zhang Zeduan's peers were already

beginning to cultivate quite a different attitude toward painting as a form of artistic expression, one that placed overt display of technical skill at the lowest end of the scale of values. This emerging scholarly aesthetic, developed by China's literati, later came to dominate Chinese thinking about art.

#### SOUTHERN SONG PAINTING AND CERAMICS

Landscape painting took a very different course after the fall of the north to the Jurchen in 1127, and the removal of the court to its new capital in the south, Hangzhou.

XIA GUI. A new sensibility is reflected in the extant portion of **TWELVE VIEWS OF LANDSCAPE** (FIG. 10–23) by Xia Gui (fl. c. 1195–1235), a member of the newly established Academy of Painters. In general, academy members continued to favor such subjects as birds and flowers in the highly refined, elegantly colored court style patronized earlier by Huizong (SEE FIG. 10–17). Xia Gui, however, was interested in landscape and cultivated his own style. Only the last four of the 12 views that originally made up

10-23 • Xia Gui SECTION OF TWELVE VIEWS OF LANDSCAPE

Southern Song dynasty, early 13th century CE. Handscroll, ink on silk, height 11" (28 cm); length of extant portion 7'71/2" (2.31 m). The Nelson-Atkins Museum of Art, Kansas City, Missouri. Purchase, Nelson Trust (32-159/2)



this long handscroll have survived, but they are enough to illustrate the unique quality of his approach.

In contrast to the majestic, austere landscapes of the Northern Song painters, Xia Gui presents an intimate and lyrical view of nature. Subtly modulated, perfectly controlled ink washes evoke a landscape veiled in mist, while a few deft brushstrokes suffice to indicate the details showing through the mist—the grasses growing by the bank, the fishers at their work, the trees laden with moisture, the two bent-backed figures carrying their heavy loads along the path that skirts the hill. Simplified forms, stark contrasts of light and dark, asymmetrical composition, and great expanses of blank space suggest a fleeting world that can be captured only in glimpses. The intangible has more presence than the tangible. By limiting himself to a few essential details, the painter evokes a deep feeling for what lies beyond.

This development in Song painting from the rational and intellectual to the emotional and intuitive, from the tangible to the intangible, had a parallel in philosophy. During the late twelfth century a new school of Neo-Confucianism called School of the Mind insisted that self-cultivation could be achieved through contemplation, which might lead to sudden enlightenment. The idea of sudden enlightenment may have come from Chan Buddhism, better known in the West by its Japanese name, Zen. Chan Buddhists rejected formal paths to enlightenment such as scripture, knowledge, and ritual, in favor of meditation and techniques designed to "short-circuit" the rational mind. Xia Gui's painting seems also to suggest this intuitive approach.

The subtle and sophisticated paintings of the Song were created for a highly cultivated audience who were equally discerning in other arts such as ceramics. Building on the considerable accomplishments of the Tang, Song potters achieved a technical and aesthetic perfection that has made their wares models of excellence throughout the world. Like their painter contemporaries, Song potters turned away from the exuberance of Tang styles to create more quietly beautiful pieces.

GUAN WARE. Among the most prized of the many types of Song ceramics is Guan ware, made mainly for imperial use (FIG. 10–24). The everted lip, high neck, and rounded body of this simple vase show a strong sense of harmony. Enhanced by a



10-24 • GUAN WARE VASE

Southern Song dynasty, 13th century cE. Gray stoneware with crackled grayish-blue glaze, height  $6^5 \ell$  (16.8 cm). Percival David Foundation of Chinese Art, British Museum, London.

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lustrous grayish-blue glaze, the form flows without break from base to lip. The piece has an introspective quality as eloquent as the blank spaces in Xia Gui's painting. The aesthetic of the Song is most evident in the crackle pattern on the glazed surface. The crackle technique was probably discovered accidentally, but came to be used deliberately in some of the most refined Song wares. In the play of irregular, spontaneous crackles over a perfectly regular, perfectly planned form we can sense the same spirit that hovers behind the self-effacing virtuosity and freely intuitive insights of Xia Gui's landscape.

In 1279 the Southern Song dynasty fell to the conquering forces of the Mongol leader Kublai Khan (1215–1294). China was subsumed into the vast Mongol Empire. Mongol rulers founded the Yuan dynasty (1279–1368), setting up their capital in the northeast in what is now Beijing. Yet the cultural center of China remained in the south, in the cities that rose to prominence during the Song, especially Hangzhou. This separation of political and cultural centers, coupled with a lasting resentment toward "barbarian" rule, created the climate for later developments in the arts.



## THE ARTS OF KOREA

Set between China and Japan, Korea occupies a peninsula in northeast Asia. Inhabited for millennia, the peninsula gave rise to a distinctively Korean culture during the Three Kingdoms period.

#### THE THREE KINGDOMS PERIOD

Traditionally dated 57 BCE to 668 CE, the Three Kingdoms period saw the establishment of three independent nation-states: Silla in the southeast, Baek je in the southwest, and Goguryeo in the north. Large tomb mounds built during the fifth and sixth centuries are enduring monuments of this period.

A GOLD HEADDRESS. The most spectacular items recovered from these tombs are trappings of royal authority (FIG. 10–25). Made expressly for burial, this elaborate crown was assembled from cut pieces of thin gold sheet, held together by gold wire. Spangles of gold embellish the crown, as do comma-shaped ornaments of green and white jadeite—a form of jade mineralogically distinct from the nephrite prized by the early Chinese. The tall, branching

forms rising from the crown's periphery resemble trees and antlers. Within the crown is a conical cap woven of narrow strips of sheet gold and ornamented with appendages that suggest wings or feathers.

HIGH-FIRED CERAMICS. The tombs have also yielded ceramics in abundance. Most are containers for offerings of food placed in the tomb to nourish the spirit of the deceased. These items generally are of unglazed **stoneware**, a high-fired ceramic ware that is impervious to liquids, even without glaze.

The most imposing ceramic shapes are the tall stands that were used to support round-bottomed jars (FIG. 10–26). Such stands typically have a long, cylindrical shaft set on a bulbous base. Cut into the moist clay before firing, their openwork apertures lighten what otherwise would be rather ponderous forms. Although few examples of Three Kingdoms ceramics exhibit surface ornamentation, other than an occasional combed wave pattern or an incised configuration of circles and **chevrons** (v-shapes), here snakes inch their way up the shaft of the stand.

#### 10-25 • CROWN

Korea. Three Kingdoms period, Silla kingdom, probably 6th century ce. From the Gold Crown Tomb, Gyeongju, North Gyeongsang Province. Gold with jadeite ornaments, height 1712" (44.5 cm). National Museum of Korea, Seoul, Republic of Korea.



10-26 • CEREMONIAL STAND WITH SNAKE, ABSTRACT, AND OPENWORK DECORATION

Korean. Three Kingdoms period, Silla kingdom, 5th–6th century ce. Gray stoneware with combed, stamped, applied, and openwork decoration and with traces of natural ash glaze, height  $23\frac{1}{6}$ " (58.7 cm). Reportedly recovered in Andong, North Gyeongsang Province. Arthur M. Sackler Museum, Harvard University, Cambridge, Massachusetts. Partial gift of Maria C. Henderson and partial purchase through the Ernest B. and Helen Pratt Dane Fund for the Acquisition of Oriental Art (1991.501)

A BODHISATTVA SEATED IN MEDITATION. Buddhism was introduced into the Goguryeo kingdom from China in 372 CE and into Baek je by 384. Although it probably reached Silla in the second half of the fifth century, Buddhism gained recognition as the official religion of the Silla state only in 527.

At first, Buddhist art in Korea was a mere imitation of Chinese art. However, by the late sixth century, Korean sculptors had created a style of their own, as illustrated by a magnificent gilt bronze image of a bodhisattva (probably the bodhisattva Maitreya) seated in meditation that likely dates to the early seventh century (FIG. 10–27). Although the pose links it to Chinese sculpture of the late sixth century, the slender body, elliptical face, elegant drapery folds, and trilobed crown distinguish it as Korean.

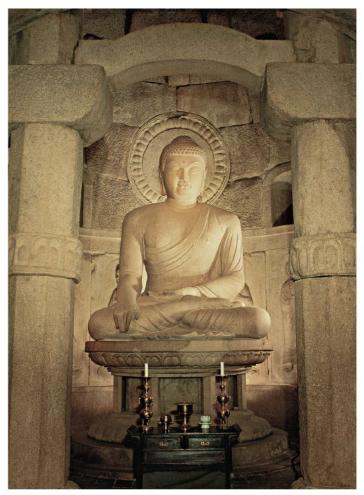
Buddhism was introduced to Japan from Korea—from the Baekje kingdom, according to literary accounts. In fact, historical sources indicate that numerous Korean sculptors were active in



10-27 • BODHISATTVA SEATED IN MEDITATION

Korean. Three Kingdoms period, probably Silla kingdom, early 7th century ce. Gilt bronze, height  $35^7 \ell''$  (91 cm). National Museum of Korea, Seoul, Republic of Korea (formerly in the collection of the Toksu Palace Museum of Fine Arts, Seoul).

Japan in the sixth and seventh centuries; several early masterpieces of Buddhist art in Japan show pronounced Korean influence (SEE FIG. 11–6).



10-28 • SEATED SHAKYAMUNI BUDDHA Seokguram Grotto, near Gyeongju, North Gyeongsang Province, Korea. Unified Silla period, c. 751 ce. Granite, height of Buddha 11'21 &" (342 cm).

The Buddha's hands are in the bhumisparsha mudra, the earth-touching gesture symbolizing his enlightenment.

#### THE UNIFIED SILLA PERIOD

In 660, the Silla kingdom conquered Baek je, and, in 668, through an alliance with Tang-dynasty China, it vanquished Goguryeo, uniting the peninsula under the rule of the Unified Silla dynasty, which lasted until 935. Buddhism prospered under Unified Silla, and many large, important temples were erected in and around Gyeongju, the Silla capital.

SEOKGURAM. The greatest monument of the Unified Silla period is Seokguram, an artificial cave-temple constructed under royal patronage atop Mount Toham, near Gyeong ju. The temple is modeled after Chinese cave-temples of the fifth, sixth, and seventh centuries, which were in turn inspired by the Buddhist cavetemples of India.

Built in the mid eighth century of cut blocks of granite, Seokguram consists of a small rectangular antechamber joined by a narrow vestibule to a circular main hall with a domed ceiling. More than 11 feet in height, a huge seated Buddha dominates the

main hall (FIG. 10-28). Seated on a lotus pedestal, the image represents the historical Buddha Shakyamuni at the moment of his enlightenment, as indicated by his earth-touching gesture, or bhumis parsha mudra. The full, taut forms, diaphanous drapery, and anatomical details of his chest relate this image to eighth-century Chinese sculptures. Exquisitely carved low-relief images of bodhisattvas and lesser deities grace the walls of the antechamber, vestibule, and main hall.

#### **GORYEO DYNASTY**

Established in 918, the Goryeo dynasty eliminated the last vestiges of Unified Silla rule in 935; it would continue until 1392, ruling from its capital at Gaeseong—to the northwest of present-day Seoul and now in North Korea. A period of courtly refinement, the Goryeo dynasty is best known for its celadon-glazed ceramics.

CELADON-GLAZED CERAMICS. The term celadon refers to a highfired, transparent glaze of pale bluish-green hue, typically applied over a pale gray stoneware body. Chinese potters invented celadon glazes



10-29 • MAEBYEONG BOTTLE WITH DECORATION OF BAMBOO AND BLOSSOMING PLUM TREE

Korea. Goryeo dynasty, late 12th-early 13th century ce. Inlaid celadon ware: light gray stoneware with decoration inlaid with black and white slips under celadon glaze, height 1314" (33.7 cm). Tokyo National Museum, Tokyo, Japan. (TG-2171)



10-30 • SEATED WILLOW-BRANCH GWANSE'EUM BOSAL (THE BODHISATTVA AVALOKITESHVARA) Korea. Goryeo dynasty, late 14th century ce. Hanging scroll, ink, colors, and gold pigment on silk, height 62½" (159.6 cm). Arthur M. Sackler Museum, Harvard University, Cambridge, Massachusetts. Bequest of Grenville L. Winthrop (1943.57.12)

and had initiated the continuous production of celadon-glazed wares as early as the first century CE. Korean potters began to experiment with such glazes in the eighth and ninth centuries; their earliest celadons reflect the strong imprint of Chinese ware. Soon, the finest Goryeo celadons rivaled the best Chinese court ceramics. These wares were used by people of various socioeconomic classes during the Goryeo dynasty, with the finest examples going to the palace, nobles, or the powerful Buddhist clergy.

Prized for their classic simplicity, Korean celadons of the eleventh century often have little decoration, while those of the twelfth century frequently sport incised, carved, or molded decoration, thus generally mimicking the style and ornamentation of contemporaneous Chinese ceramics. By the mid twelfth century, Korean potters began to explore new styles and

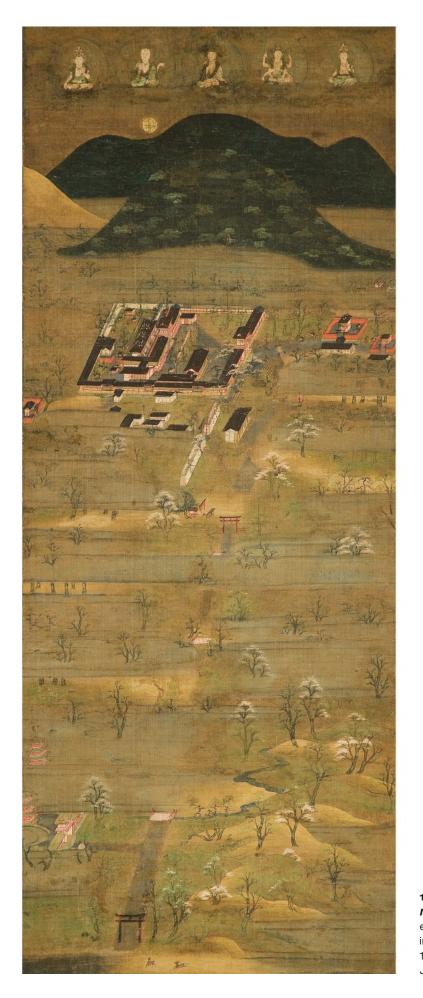
techniques of decoration. Most notable among their inventions was inlaid decoration, in which black and white slips, or finely ground clays, were inlaid into the intaglio lines of decorative elements incised or stamped in the body, creating underglaze designs in contrasting colors. The bottle in FIGURE 10–29 displays three different pictorial scenes inlaid in black and white slips. The scene featured here depicts a clump of bamboo growing at the edge of a lake, the stalks intertwined with the branches of a blossoming plum tree (which flowers in late winter, before donning its leaves). Geese swim in the lake and butterflies flutter above, linking the several scenes around the bottle. Called *maebyeong* ("plum bottle"), such broad-shouldered vessels were used as storage jars for wine, vinegar, and other liquids. A small, bell-shaped cover originally capped the bottle, protecting its contents and complementing its curves.

BUDDHIST PAINTING. Buddhism, the state religion of Goryeo, enjoyed royal patronage; many temples were thus able to commission the very finest architects, sculptors, and painters. The most sumptuous Buddhist works produced during the Goryeo period were paintings. Wrought in ink and colors on silk, the fourteenth-century hanging scroll illustrated in FIGURE 10–30 depicts Gwanse'eum Bosal (whom the Chinese called Guanyin), the bodhisattva of compassion. The flesh tones used for the bodhisattva's face and hands, along with the rich colors and gold pigment used for the deity's clothing, reflect the luxurious taste of the period. Numerous paintings of this type were exported to Japan, where they influenced the course of Buddhist painting.

### THINK ABOUT IT

- 10.1 Examine the guang (fig. 10–5) and consider how its iconography may have related to a ritual-oriented culture in Bronze Age China.
- 10.2 Summarize the main tenets of Confucianism. Then select a work from the chapter that gives visual form to Confucian philosophy and explain how it does so.
- 10.3 Select one of the Song-era Chinese landscape paintings included in the chapter and explain how it may embody Daoist ideals.
- 10.4 Compare and contrast the Chinese seated Guanyin bodhisattva (Fig. 10–19) and the Korean bodhisattva seated in meditation (Fig. 10–27). Define the meaning of bodhisattva, and examine how the artists gave visual expression to the deity's attributes.
- 10.5 Based on examples illustrated in the chapter, identify parallel developments in painting and sculpture from the Han through the Song dynasty.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



11-1 • KASUGA SHRINE MANDALA Kamakura period, early 14th century ce. Hanging scroll, ink, color, and gold on silk,  $39\frac{1}{2} \times 15\frac{5}{6}$ " (100.3 × 39.8 cm). Mary and Jackson Burke Collection.

# JAPANESE ART BEFORE 1333

A group of Buddhist deities hovers in the sky across the top of this painting (Fig. 11-1), above verdant hills and meadows filled with blossoming cherry and plum trees, and a diagrammatic, bird's-eye view of a religious compound. The sacred site depicted in recognizable, but partially idealized, form is the Kasuga Shrine in Nara, dedicated to deities, known as kami, of Japan's native Shinto religion. It served as the family shrine for the most powerful aristocratic clan in ancient Japan, the Fujiwara, who chose the site because of its proximity to their home as well as for its natural beauty. As life in Japan revolved around natural seasonal rhythms, so too did conceptions of kami, who give and protect life and embody the life-sustaining forces of nature. The Japanese believe that kami descend from mysterious heavens at supremely beautiful places such as majestic mountains, towering waterfalls, old and gnarled trees, or unusual rock formations, thus rendering such locations holy. They consider them as places where they can go to commune with kami. The deer glimpsed scampering about the grounds are sacred messengers of kami, and freely roam the area even today.

That foreign deities associated with Buddhism preside over a native Shinto shrine presents no anomaly to the Japanese. By the Heian period (794–1185 ce), the interaction of Buddhist and Shinto doctrines resulted in the belief that *kami* were

emanations of Buddhist deities who were their original forms. When Buddhism first entered Japan in the sixth century, efforts began to integrate that new faith with the indigenous Japanese religious belief system centered around *kami*, which only later came to be called Shinto. Until the government forcibly separated the two religions in the latter part of the nineteenth century, and elevated Shinto to bolster worship of the emperor, the two religions were intimately intertwined and evolved in a co-mingled manner. The two faiths could exist side by side because of their complementary values. Shinto explains the origins of the Japanese people and its deities protect them, while Buddhism offers salvation after death.

This painting encapsulates various aspects of the essential character of Japanese art and culture in the ancient and early medieval eras. Like all religious art from early Japan, it was created to aid religious teachings and beliefs. In its own time it was not considered a work of art. It testifies to the importance of nature in the Japanese worldview and how reverence for the natural world informed religious practice and visual vocabulary. Additionally, it shows how the Japanese integrated the foreign religion of Buddhism with indigenous belief systems without sacrificing either one. Finally, it reveals the existence at this early date of a sophisticated and uniquely Japanese courtly style aesthetic.

## **LEARN ABOUT IT**

- 11.1 Recognize the native elements in early Japanese art.
- 11.2 Understand Japan's cultural relationship with China and Korea.
- **11.3** Summarize the transformation of Japanese Buddhist sculpture.
- **11.4** Discuss the ways Shinto influences Japanese aesthetic perceptions.
- **11.5** Distinguish different uses of Buddhist paintings in connection with the different sects of Buddhism for which they were made.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

#### PREHISTORIC JAPAN

Human habitation in Japan dates to around 30,000 years ago (MAP 11–1). Sometime after 15,000 years ago Paleolithic peoples gave way to Neolithic hunter-gatherers, who gradually developed the ability to make and use ceramics. Recent scientific dating methods have shown that some works of Japanese pottery date to earlier than 10,000 BCE, making them the oldest now known.

#### JOMON PERIOD

The early potters lived during the Jomon period (c. 11,000–400 BCE), named for the patterns on much of the pottery they produced. They made functional earthenware vessels, probably originally imitating reed baskets, by building them up with coils of clay, then firing them in bonfires at relatively low temperatures. They also created small humanoid figures known as **dogu**, which were probably effigies that manifested a kind of sympathetic magic. Around 5000 BCE agriculture emerged with the planting and harvesting of beans and gourds.

#### YAYOI PERIOD

During the succeeding Yayoi era (c. 400 BCE–300 CE), the introduction of rice cultivation by immigrants from Korea helped transform Japan into an agricultural nation. As it did elsewhere in the world, this shift to agriculture brought larger permanent settlements, class structure with the division of labor into agricultural and nonagricultural tasks, more hierarchical forms of social organization, and a more centralized government. Korean settlers also brought metal technology. Bronze was used to create weapons as well as ceremonial objects such as bells. Iron metallurgy developed later in this period, eventually replacing stone tools in everyday life.

#### **KOFUN PERIOD**

Centralized government developed further during the ensuing Kofun ("old tombs") period (c. 300–552 CE), named for the large royal tombs that were built then. With the emergence of a more complex social order, the veneration of leaders grew into the beginnings of an imperial system. Still in existence today in Japan, this system eventually explained that the emperor (or, very rarely, empress) descended directly from Shinto deities. When an emperor died, chamber tombs were constructed following Korean examples. Various grave goods were placed inside the tomb chambers, including large amounts of pottery, presumably to pacify the spirits of the dead and to serve them in their next life. As part of a general cultural transfer from China through Korea, fifth-century potters in Japan gained knowledge of finishing techniques and improved kilns, and began to produce high-fired ceramic ware.

The Japanese government has never allowed the major sacred tombs to be excavated, but much is known about the mortuary practices of Kofun-era Japan. Some of the huge tombs of the fifth and sixth centuries were constructed in a shape resembling a large



MAP 11-1 • JAPAN

Melting glaciers at the end of the Ice Age in Japan 15,000 years ago raised the sea level and formed the four main islands of Japan: Hokkaido, Honshu, Shikoku, and Kyushu.

keyhole and surrounded by moats dug to protect the sacred precincts. Tomb sites might extend over more than 400 acres, with artificial hills built over the tombs themselves. On the top of the hills were placed ceramic works of sculpture called **haniwa**.

HANIWA. The first *haniwa* were simple cylinders that may have held jars with ceremonial offerings. By the fifth century, these cylinders came to be made in the shapes of ceremonial objects, houses, and boats. Gradually, living creatures were added to the repertoire of *haniwa* subjects, including birds, deer, dogs, monkeys, cows, and horses. By the sixth century, **HANIWA** in human shapes were crafted, including males and females of various types, professions, and classes (FIG. 11–2).

Haniwa illustrate several enduring characteristics of Japanese aesthetic taste. Unlike Chinese tomb ceramics, which were often



# ART AND ITS CONTEXTS

## Writing, Language, and Culture

Chinese culture enjoyed great prestige in east Asia. Written Chinese served as an international language of scholarship and cultivation, much as Latin did in medieval Europe. Educated Koreans, for example, wrote almost exclusively in Chinese until the fifteenth century. In Japan, Chinese continued to be used for certain kinds of writing, such as Buddhist sutras, philosophical and legal texts, and Chinese poetry (by Japanese writers), into the nineteenth century.

When it came to writing their own language, the Japanese initially borrowed Chinese characters, or kan ji. Differences between the Chinese and Japanese languages made this system extremely unwieldy, so during the ninth century they developed two syllabaries, or kana, from simplified Chinese characters. (A syllabary is a system of lettering in which each symbol stands for a syllable.) Katakana, consisting of angular symbols, was developed to aid pronunciation of Chinese Buddhist texts and now is generally used for foreign words. Hiragana, comprised of graceful, cursive symbols, was the written language the Japanese first used to write native poetry and prose. Eventually it came to be used to represent only the grammatical portions of the written Japanese language in conjunction with Chinese characters that convey meaning. Japanese written in hiragana was once called "women's hand" because its rounded forms looked feminine. During the Heian period hiragana were used to create a large body of literature, written either by women or sometimes for women

A charming poem originated in Heian times to teach the new writing system. In two stanzas of four lines each, it uses almost all of the syllable sounds of spoken Japanese and thus almost every kana symbol. It was memorized as we would recite our ABCs. The first stanza translates as:

Although flowers glow with color They are quickly fallen, And who in this world of ours Is free from change? (Translation by Earl Miner)

Like Chinese, Japanese is written in columns from top to bottom and across the page from right to left. (Following this logic, Chinese and Japanese narrative paintings also read from right to left.) Below is the stanza written three ways. At the right, it appears in katakana glossed with the original phonetic value of each symbol. (Modern pronunciation has shifted slightly.) In the center, the stanza appears in flowing hiragana. To the left is the mixture of kanji and hiragana that eventually became standard.

katakana

kan ji hiragana mixed hiragana ツTsu- ワWa- + Chi- イ I-木ne 力ka リri- ロro ナna- ヨyo ヌnu- ^ ha-ラra- タta ルru 末 L mu re 7 wo he-



#### 11-2 • HANIWA

Kyoto. Kofun period, 6th century ce. Earthenware, height 27" (68.5 cm). Collection of the Tokyo National Museum. Important Cultural Property.

There have been many theories as to the function of *haniwa*. The figures seem to have served as some kind of link between the world of the dead, over which they were placed, and the world of the living, from which they could be viewed. This figure has been identified as a seated female shaman, wearing a robe, belt, and necklace and carrying a mirror at her waist. In early Japan, shamans acted as agents between the natural and the supernatural worlds, just as *haniwa* figures were links between the living and the dead.

glazed, *haniwa* were left with their clay bodies unglazed. Nor do *haniwa* show a preoccupation with technical skill seen in Chinese ceramics. Instead, their makers explored the expressive potentials of simple and bold form. *Haniwa* are never perfectly symmetrical; their slightly off-center eye slits, irregular cylindrical bodies, and unequal arms impart the idiosyncrasy of life and individuality.

SHINTO. As described at the outset of this chapter, Shinto is Japan's indigenous religious belief system. It encompasses a variety of ritual practices that center around family, village, and national devotion to *kami* (Shinto deities). The term Shinto was not coined until after the arrival of Buddhism in the sixth century CE, and as *kami* worship was influenced by and incorporated into Buddhism it became more systematized, with shrines, a hierarchy of deities, and more strictly regulated ceremonies.

THE ISE SHRINE. One of the great Shinto monuments is the Grand Shrine of Ise, on the coast southwest of Tokyo (FIG. 11–3), where the main deity worshiped is the sun goddess Amaterasu-o-mi-*kami*, the legendary progenitor of Japan's imperial family. Japan's earliest written historical texts recorded by the imperial

court in the eighth century state that the Ise Shrine dates to the first century CE. Although we do not know for certain if this is true, it is known that it has been ritually rebuilt, alternately on two adjoining sites at 20-year intervals with few breaks since the year 690, a time when the imperial family was solidifying its hegemony. Its most recent rebuilding took place in 1993, by carpenters who train for the task from childhood. After the *kami* is ceremonially escorted to the freshly copied shrine, the old shrine is dismantled. Thus—like Japanese culture itself—this exquisite shrine is both ancient and constantly renewed. In this sense it embodies one of the most important characteristics of Shinto faith—ritual purification—derived from respect for the cycle of the seasons in which pure new life emerges in springtime and gives way to death in winter, yet is reborn again in the following year.

Although Ise is visited by millions of pilgrims each year, only members of the imperial family and a few Shinto priests are allowed within the enclosure that surrounds its inner shrine. Although detailed documents on its appearance date back to the tenth century, shrine authorities never allowed photographers access to its inner compound until 1953, when the iconic photograph of it reproduced in FIGURE 11–3 was taken by a photographer officially



11-3 • MAIN HALL, INNER SHRINE, ISE Mie Prefecture. Last rebuilt 1993. Photograph by Watanabe Yoshio (1907–2000), 1953. National Treasure.

SEE MORE: View a video about the re-building of the Ise Shrine

www.myartslab.com

engaged by a quasi-governmental cultural relations agency. The reluctance of shrine officials to permit photography even then may stem from beliefs that such intimate pictures would violate the privacy of the shrine's most sacred spaces.

The Ise Shrine has many aspects that are typical of Shinto architecture, including wooden piles raising the building off the ground, a thatched roof held in place by horizontal logs, the use of unpainted cypress wood, and the overall feeling of natural simplicity rather than overwhelming size or elaborate decoration. The building's shape is indebted to raised granaries used by the Yayoi people, which are known from drawings on bronze artifacts of the Yayoi period. The sensitive use of wood and thatch in the Ise Shrine suggests an early origin for the Japanese appreciation of natural materials that persists to the present day.

#### **ASUKA PERIOD**

During the Asuka period's single century (552–645 CE), new forms of philosophy, medicine, music, food, clothing, agriculture, city planning, religion, visual art, and architecture entered Japan from Korea and China at an astonishing pace. Most significant among these were the Buddhist religion, a centralized governmental

structure, and a system of writing. Each was adopted and gradually modified to suit Japanese conditions, and each has had an enduring legacy.

Buddhism reached lapan in Mahayana form, with its many buddhas and bodhisattvas (see "Buddhism," page 297). After being accepted by the imperial family, it was soon adopted as a state religion. Buddhism represented not only different gods from Shinto but an entirely new concept of religion. Worship of Buddhist deities took place inside worship halls of temples situated in close proximity to imperial cities. The temples looked like nothing constructed in Japan before, with Chinese-influenced buildings housing anthropomorphic Buddhist icons possessing an elaborate iconography (see "Buddhist Symbols," page 362). At that time, kami were not portrayed in human form. Yet Buddhism attracted followers because it offered a rich cosmology with profound teachings of meditation and enlightenment, and the protective powers of its deities enabled the ruling elites to justify their own power, through association with Buddhism. They called upon Buddhist deities to nurture and protect the populace over whom they ruled. Many highly developed aspects of continental Asian art accompanied the new religion, including new methods of painting and sculpture.



11-4 • AERIAL VIEW OF HORYUJI COMPOUND

Pagoda to the west (left), golden hall (kondo) to the east (right). Nara
Prefecture. Asuka period, 7th century ce.
UNESCO World Heritage Site, National
Treasure.

#### **HORYUJI**

The most significant surviving early Japanese temple is Horyuji, located on Japan's central plains not far from Nara. The temple was founded in 607 by Prince Shotoku (574–622), who ruled Japan as a regent and became the most influential early proponent of Buddhism. Rebuilt after a fire in 670, Horyuji is the oldest wooden temple in the world. It is so famous that visitors are often surprised at its modest size. Yet its just proportions and human scale, together with the artistic treasures it contains, make Horyuji an enduringly beautiful monument to Buddhist faith in early Japan.

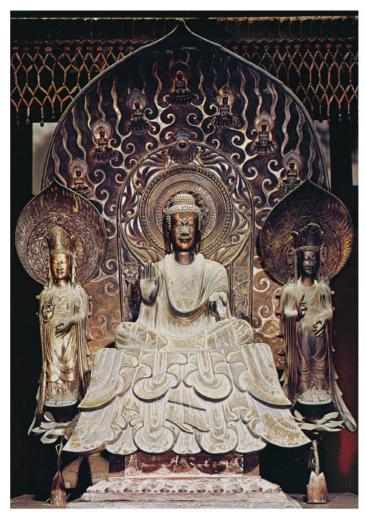
The main compound of Horyuji consists of a rectangular courtyard surrounded by covered corridors, one of which contains a gateway. Within the compound are only two buildings, the **kondo** (golden hall), and a five-story pagoda. Within a simple asymmetrical layout, the large *kondo* perfectly balances the tall, slender pagoda (FIG. 11–4). The *kondo* is filled with Buddhist images and is used for worship and ceremonies. The pagoda serves as a reliquary and is not entered. Other monastery buildings lie outside the main compound, including an outer gate, a lecture hall, a repository for sacred texts, a belfry, and dormitories for monks.

Among the many treasures still preserved in Horyuji is a shrine decorated with paintings in lacquer. It is known as the Tamamushi Shrine after the *tamamushi* beetle, whose iridescent wings were originally affixed to the shrine to make it glitter, much

#### 11-5 • HUNGRY TIGRESS JATAKA

Panel of the Tamamushi Shrine, Horyuji. Asuka period, c. 650 ce. Lacquer on wood, height of shrine  $7'7^12''$  (2.33 m). Horyuji Treasure House, Nara. National Treasure.





11-6 • Tori Busshi BUDDHA SHAKA AND ATTENDANT BODHISATTVAS IN THE HORYUJI KONDO
Asuka period, c. 623 ce. Gilt bronze, height of seated figure 34½" (87.5 cm). Horyuji, Nara. National Treasure.

like mother-of-pearl. Its architectural form replicates an ancient palace-form building type that predates Horyu ji itself.

HUNGRY TIGRESS JATAKA. Paintings on the sides of the Tamamushi Shrine are among the few two-dimensional works of art to survive from the Asuka period. Most celebrated among them are two that illustrate Jataka tales, stories about former lives of the Buddha. One depicts the future Buddha nobly sacrificing his life in order to feed his body to a starving tigress and her cubs (FIG. 11–5). The tigers are at first too weak to eat him, so he must jump off a cliff to break open his flesh. The anonymous artist has created a full narrative within a single frame. The graceful form of the Buddha appears three times, harmonized by the curves of the rocky cliff and tall sprigs of bamboo. First, he hangs his shirt on a tree, then he dives downward onto the rocks, and finally starving animals devour his body. The elegantly slender renditions of the figure and the somewhat abstract treatment of the cliff, trees, and bamboo represent an international Buddhist style that was

transmitted to Japan via China and Korea. These illustrations of Jataka tales helped popularize Buddhism in Japan.

SHAKA TRIAD. Another example of the international style of early Buddhist art at Horyuji is the sculpture called the Shaka Triad, traditionally identified as being made by Tori Busshi (FIG. 11–6). (Shaka is the Japanese name for Shakyamuni, the historical Buddha.) Tori Busshi (Busshi means Buddhist image-maker) may have been a descendant of Korean craftsmen who emigrated to Japan as part of an influx of Buddhists and artisans from Korea. The Shaka Triad reflects the strong influence of Chinese art of the Northern Wei dynasty (SEE FIG. 10–12). The frontal pose, the outsized face and hands, and the linear treatment of the drapery all suggest that the maker of this statue was well aware of earlier continental models, while the fine bronze casting of the figures shows his advanced technical skill. The Shaka Triad and the Tamamushi Shrine reveal the importance of Buddhist imagery to the transmission of the faith.

#### NARA PERIOD

The Nara period (645–794) is named for Japan's first permanent imperial capital, founded in 710. Previously, an emperor's death was thought to taint his entire capital city, so for reasons of purification (and perhaps also of politics), his successor usually selected a new site. As the government adopted ever more complex aspects of the Chinese political system, necessitating construction of huge administrative complexes, it abandoned this custom in the eighth century when Nara was founded. During this period, divisions of the imperial bureaucracy grew exponentially and hastened the swelling of the city's population to perhaps 200,000 people.

One result of the strong central authority was the construction in Nara of magnificent Buddhist temples and Shinto shrines that dwarfed those built previously. The expansive park in the center of Nara today is the site of the largest and most important of these, including the Shinto Kasuga Shrine illustrated in FIGURE 11-1. The grandest of the Buddhist temples in Nara Park is Todai ji, which Emperor Shomu (r. 724-749) conceived as the headquarters of a vast network of branch temples throughout the nation. He had it constructed because of his deep faith in Buddhism. Todai ji served as both a state-supported central monastic training center and as the setting for public religious ceremonies. The most spectacular of these took place in 752 and celebrated the consecration of the main Buddhist statue of the temple in a traditional "eye-opening" ceremony, in its newly constructed Great Buddha Hall (Daibutsuden; see "The Great Buddha Hall," page 364). The statue, a giant gilt bronze image of the Buddha Birushana (Vairochana in Sanskrit), was inspired by the Chinese tradition of erecting monumental stone Buddhist statues in cave-temples (SEE, FOR EXAMPLE, FIG. 10-12).

The ceremony, which took place in the vast courtyard in front of the Great Buddha Hall, was presided over by an illustrious



# ART AND ITS CONTEXTS

## **Buddhist Symbols**

A few of the most important Buddhist symbols, which have myriad variations, are described here in their most generalized forms.

**Lotus flower:** Usually shown as a white waterlily, the lotus (Sanskrit, *padma*) symbolizes spiritual purity, the wholeness of creation, and cosmic harmony. The flower's stem is an *axis mundi* ("axis of the world").

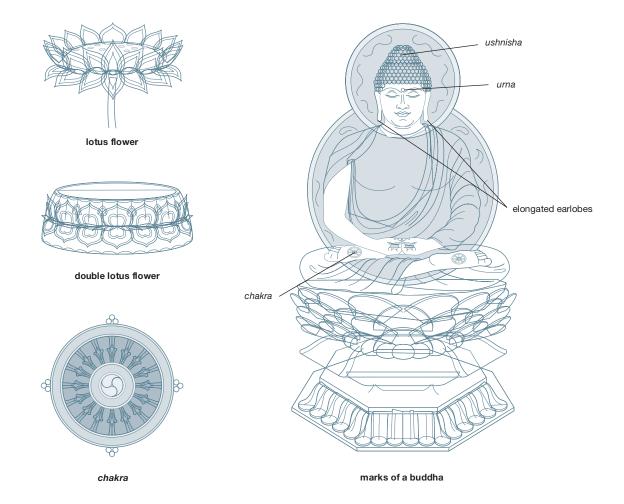
**Lotus throne:** Buddhas are frequently shown seated on an open lotus, either single or double, a representation of *nirvana* (SEE FIG. 11–10).

**Chakra:** An ancient sun symbol, the *chakra* (wheel) symbolizes both the various states of existence (the Wheel of Life) and the

Buddhist doctrine (the Wheel of the Law). A *chakra*'s exact meaning depends on how many spokes it has (SEE FIG. 9–7).

**Marks of a buddha:** A buddha is distinguished by 32 physical attributes (*lakshanas*). Among them are a bulge on top of the head (*ushnisha*), a tuft of hair between the eyebrows (*urna*), elongated earlobes, and 1,000-spoked *chakras* on the soles of the feet.

**Mandala:** Mandalas are diagrams of cosmic realms, representing order and meaning within the spiritual universe. They may be simple or complex, three- or two-dimensional, and in a wide array of forms—such as an Indian stupa (SEE FIG. 9–8) or a Womb World mandala (SEE FIG. 11–8), an early Japanese type.



Indian monk and included *sutra* chanting by over 10,000 Japanese Buddhist monks and sacred performances by 4,000 court musicians and dancers. Vast numbers of Japanese courtiers and emissaries from the Asian continent comprised the audience. Numerous ritual objects used in the ceremony came from exotic Asian and Near

Eastern lands. The resulting cosmopolitan atmosphere reflected the position Nara then held as the eastern terminus of the Central Asian Silk Road.

Many of these treasures have been preserved in the Shosoin Imperial Repository at Todaiji, which today contains some 9,000



objects. The Shosoin came into being in the year 756, when Emperor Shomu died and his widow donated some 600 of his possessions to the temple, including a number of objects used during the Great Buddha's consecration ceremony. Many years later, objects used in Buddhist rituals and previously stored elsewhere at Todaiji were added to these. The objects formerly owned by Emperor Shomu consisted mainly of his personal possessions, such as documents, furniture, musical instruments, games, clothing, medicine, weapons, food and beverage vessels of metal, glass, and lacquer, and some Buddhist ritual objects. Some of these were made in Japan while others were clearly not and came from as far away as China, India, Iran, Greece, Rome, and Egypt. They reflect the vast international trade network that existed at this early date.

One of the items Emperor Shomu's widow donated in 756 is a magnificently crafted five-stringed lute (biwa) made of lacquered red sandalwood and chestnut, and inlaid with mother-of-pearl, amber, and tortoiseshell. Its plectrum guard features a design of a man of central Asian origin (apparent from his clothing and physical features) sitting atop a camel and playing a lute (FIG. 11-7). This instrument is the only existing example of an ancient five-stringed lute. Its form was invented in India and transmitted to China and Japan via the Silk Road. The Shosoin piece is generally identified as Chinese. However, as with many of the objects preserved in the Shosoin, the location of its manufacture is not absolutely certain. While it was most likely crafted in China and imported to Japan for use in the consecration ceremony (researchers have recently conclusively determined that it was indeed played), it is also plausible that Chinese (or Japanese) craftsmen made it in Japan using imported materials. Its meticulous workmanship reveals the high level of crafts production that artists of this era achieved. Such consummate skill has been a hallmark of apanese crafts since then.

Influenced by Emperor Shomu, the Buddhist faith permeated all aspects of court society of the Nara period. Indeed, in 749 Shomu abdicated the throne to retire as a monk. His daughter, who succeeded him as empress, was also a devout Buddhist and wanted to cede her throne to a Buddhist monk. This dismayed her advisors and prompted them to move the capital city away from Nara, where they felt Buddhist influence had become overpowering, and establish a new one, Kyoto, within whose bounds, at first, only a few Buddhist temples would be allowed. The move of the capital to Kyoto marked the end of the Nara period.

#### HFIAN PFRIOD

The Japanese fully absorbed and transformed their cultural borrowings from China and Korea during the Heian period (794–1185). Generally peaceful conditions contributed to a new air of self-reliance. The imperial government severed ties to China in the ninth century, a time when the power of related aristocratic families increased. An efficient method of writing the Japanese language was developed, and the rise of vernacular literature generated such prose masterpieces as Lady Murasaki's *The Tale of Gen j.* During these four centuries of splendor and refinement, two major streams of Buddhism emerged—first, esoteric sects and, later, those espousing salvation in the Pure Land Western Paradise of the Buddha Amida.

#### **ESOTERIC BUDDHIST ART**

With the removal of the capital to Kyoto, the older Nara temples lost their influence. Soon two new Esoteric sects of Buddhism, Tendai and Shingon, grew to dominate Japanese religious life. Strongly influenced by polytheistic religions such as Hinduism,

## RECOVERING THE PAST | The Great Buddha Hall

The Great Buddha Hall (Daibutsuden) is distinguished today as the largest wooden structure in the world. To give a sense of its unprecedented scale, it was so large that the area surrounding only one of the two pagodas that flanked it, within its own cloistered compound, could accommodate the entire main compound of Horyuji. Yet the present Great Buddha Hall, dating to a reconstruction of 1707, is 30 percent smaller than the original, which towered nearly 90 feet in height. Since it was first erected in 752 ce natural disasters and intentional destruction by foes of the imperial family necessitated its reconstruction four times. It was first destroyed during civil wars in the twelfth century and rebuilt in 1203, then destroyed in yet another civil war in 1567. Reconstruction did not occur until the late seventeenth century under the direction of a charismatic monk who solicited funds not from the government, which was then impoverished, but through popular subscription. This building, completed in 1707, is essentially the structure that stands on the site today. However, by the late nineteenth century its condition had deteriorated so profoundly that restoration finally undertaken between 1906 and 1913 entailed completely dismantling it and putting it back together, this time utilizing steel (imported from England) and concrete to provide invisible support to the roof, which had nearly collapsed. Architects adapted this nontraditional solution mainly because no trees of sufficiently large dimensions could be found, and no traditional carpenters then living possessed knowledge of ancient construction techniques. This project occurred only after laws were enacted in 1897 to preserve ancient architecture. Since then, another major restoration on the building took place between 1973 and 1980.

Like the building, the Great Buddha Daibutsu statue has not survived intact. Its head was completely destroyed in the late sixteenth century and replaced as part of the hall's reconstruction in the late seventeenth century, when its torso and lotus petal throne also required extensive restoration. The present statue, though impressive in scale, appears stiff and rigid. Its more lyrical original appearance can be approximated from that of engraved images of

seated Buddhist deities found on a massive cast-bronze lotus petal from the original statue that has survived in fragmentary form. The petal features a buddha with a narrow waist, broad shoulders, and elegantly flowing robes that characterize the style of contemporaneous buddha images of the Tang dynasty (see, for example, the central buddha in FIG. 10–14).





#### THE BUDDHA SHAKA, DETAIL OF A PARADISE SCENE

Engraved bronze lotus petal from the original Great Buddha (Daibutsu) statue of the Buddha Birushana. 8th century ce. Height of petal 79" (200 cm). Daibutsuden, Todaiji. National Treasure.

# GREAT BUDDHA HALL (*DAIBUTSUDEN*), TODAIJI, NARA

Original structure completed in 752 cs. Destroyed and rebuilt in 1707. Extensively restored 1906–13. UNESCO World Heritage Site, National Treasure.



11-8 • WOMB WORLD MANDALA

Heian period, late 9th century ce. Hanging scroll, colors on silk,  $6'\times5'1^12''$  (1.83  $\times$  1.54 m). Toji, Kyoto. National Treasure.

Mandalas are used not only in teaching, but also as vehicles for practice. A monk, initiated into secret teachings, may meditate upon and assume the gestures of each deity depicted in the mandala, gradually working out from the center, so that he absorbs some of each deity's powers. The monk may also recite magical phrases, called mantras, as an aid to meditation. The goal is to achieve enlightenment through the powers of the different forms of the Buddha. Mandalas are created in sculptural and architectural forms as well as in paintings (SEE FIG. 9–29). Their integration of the two most basic shapes, the circle and the square, is an expression of the principles of ancient geomancy (divining by means of lines and figures) as well as Buddhist cosmology.

Esoteric Buddhism (known as Tantric Buddhism in Nepal and Tibet) included a daunting number of deities, each with magical powers. The historical Buddha was no longer very important. Instead, most revered was the universal Buddha, called Dainichi ("Great Sun") in Japanese, who was believed to preside over the universe. He was accompanied by buddhas and bodhisattvas, as well as guardian deities who formed fierce counterparts to the more benign gods.

Esoteric Buddhism is hierarchical, and its deities have complex relationships to one another. Learning all the different gods and their interrelationships was assisted greatly by works of art, especially mandalas, cosmic diagrams of the universe that portray the deities in schematic order. The Womb World mandala from Toji, for example, is entirely filled with depictions of gods. Dainichi is at the center, surrounded by buddhas of the four directions (FIG. 11–8). Other deities, including some with multiple heads and limbs, branch out in diagrammatical order, each with a specific symbol of power. To believers, the mandala represents an ultimate reality beyond the visible world.

Perhaps the most striking attribute of many Esoteric Buddhist images is their sense of spiritual force and potency, especially in depictions of the wrathful deities, which are often surrounded by flames, like those visible in the Womb World *mandala* just below the main circle of Buddhas. Esoteric Buddhism, with its intricate theology and complex doctrines, was a religion for the educated aristocracy, not for the masses. Its intricate network of deities, hierarchy, and ritual found a parallel in the elaborate social divisions of the Heian court.

#### PURE LAND BUDDHIST ART

Rising militarism, political turbulence, and the excesses of the imperial court marked the beginning of the eleventh century in Japan. To many Japanese of this century, the unsettled times seemed to confirm the coming of *Mappo*, a long-prophesied dark age of spiritual degeneration. Japanese of all classes reacted by increasingly turning to the promise of salvation after death through simple faith in the existence of a Buddhist realm known as the Western

Paradise of the Pure Land, a resplendent place filled with divine flowers and music. Amida (Amithaba in Sanskrit) and his attendant bodhisattvas preside there as divine protectors who compassionately accept into their land of bliss all who submit wholeheartedly to their benevolent powers. Pure Land beliefs had spread to Japan from China by way of Korea, where they also enjoyed great popularity. They offered a more immediate and easy means to achieve salvation than the elaborate rituals of the Esoteric sects. The religion held that merely by chanting *Namu Amida Butsu* ("Hail to Amida Buddha"), the faithful would be reborn into the Western Paradise.

# **TECHNIQUE** | Joined-Block Wood Sculpture

Wood is a temperamental material because fluctuations in moisture content cause it to swell and shrink. Cut from a living, sap-filled tree, it takes many years to dry to a state of stability. While the outside of a piece of wood dries fairly rapidly, the inside yields its moisture only gradually, causing a difference in the rates of shrinkage between the inside and the outside, which induces the wood to crack. Consequently, a large statue carved from a single log must inevitably crack as it ages. Natural irregularities in wood, such as knots, further accentuate this problem. Thus, wood with a thinner cross section and fewer irregularities is less susceptible to cracking because it can dry more evenly. (This is the logic behind sawing logs into boards before drying.)

Japanese sculptors developed an ingenious and unique method, the joined-block technique, to reduce cracking in heavy wooden statues. This allowed them to create larger statues in wood than ever before, enabled standardization of body proportions, and encouraged division of labor among teams of carvers, some of whom became specialists in certain parts, such as hands or crossed legs or lotus thrones. To create large statues seated in the lotus pose, sculptors first put four blocks together vertically two by two in front and back, to form the main body, then added several blocks horizontally at what would become the front of the statue for the lap and knees. After carving each part, they assembled the figure and hollowed out the interior. This cooperative approach also had the added benefit of enabling workshops to produce large statues more quickly to meet a growing demand. Jocho is credited as the master sculptor who perfected this technique. The diagram shows how he assembled the Amida Buddha at the Byodoin (SEE FIG. 11-10).

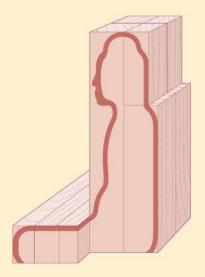




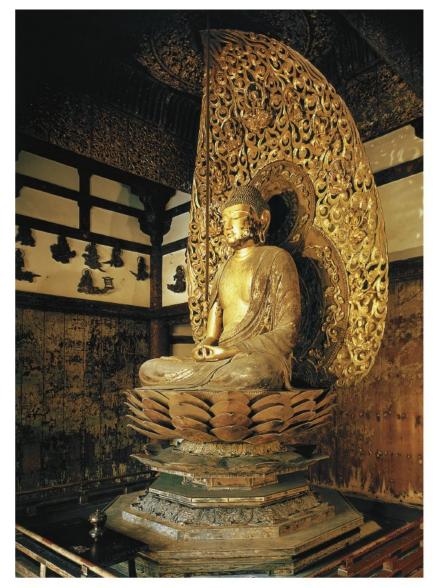
Diagram of the joined-block wood sculpture technique used on the Amida statue by Jocho (SEE FIG. 11–10).

SEE MORE: View a simulation about the joined-block technique www.myartslab.com



11-9 • PHOENIX HALL, BYODOIN, UJI

Kyoto Prefecture. Heian period, c. 1053 cs. Unesco World Heritage Site, National Treasure.



**11–10 • Jocho AMIDA BUDDHA**Phoenix Hall, Byodoin. Heian period, c. 1053 ce. Gold leaf and lacquer on wood, height 9'8" (2.95 m). National Treasure.

BYODOIN. One of the most beautiful temples of Pure Land Buddhism is the Byodoin, located in the Uji Mountains not far from Kyoto (FIG. 11-9). The temple itself was originally a secular palace whose form was intended to suggest the appearance of the palatial residence of Amida in his Western Paradise (SEE FIG. 10–14). It was built for a member of the powerful Fujiwara family who served as the leading counselor to the emperor. After the counselor's death in the year 1052, his descendants converted the palace into a memorial temple to honor his spirit. The Byodoin is often called the Phoenix Hall, not only for the pair of phoenix images on its roof, but also because the shape of the building itself suggests the mythical bird. Its thin columns give the Byodoin a sense of airiness, as though the entire temple could easily rise up through the sky to Amida's Western Paradise. The hall rests gently in front of an artificial pond created in the shape of the Sanskrit letter A, the sacred symbol for Amida.

The Byodoin's central image of Amida, carved by the master sculptor Jocho (d. 1057), exemplifies the serenity and compassion of this Buddha (FIG. 11–10). When reflected in the water of the pond before it, the Amida image seems to shimmer in its private mountain retreat. The figure was not carved from a single block of wood like earlier sculpture, but from several blocks in Jocho's new **joined-block** method of construction (see "Joined-Block Wood Sculpture," opposite). This technique allowed sculptors to create larger and lighter statuary. It also reflects the growing importance of wood as the medium of choice for Buddhist sculpture, reflecting the Japanese love for this natural material.

Surrounding the Amida on the walls of the Byodoin are smaller wooden figures of bodhisattvas and angels, some playing musical instruments. Everything about the Byodoin was designed to simulate the appearance of the paradise that awaits the believer after death. Its remarkable state of preservation after more than 900 years allows visitors to experience the late Heian religious ideal at its most splendid.

#### SECULAR PAINTING AND CALLIGRAPHY

Alongside the permeation of Buddhism during the Heian era (794–1185), a refined secular culture also arose at court. Gradually, over the course of these four centuries, the pervasive influence of Chinese culture in aristocratic society gave rise to new, uniquely Japanese developments. Above all, Heian court culture greatly valued refinement: Pity any man or woman at court who was not accomplished in several forms of art. A woman would be admired merely for the way she arranged the 12 layers of her robes by color, or a man for knowing which kind of incense was being burned. Concurrently, court life became preoccupied by the poetical expression of human love. In this climate,

women became a vital force in Heian society. Although the status of women was to decline in later periods, they contributed greatly to art at the Heian court and became famous for their prose and poetry.

Although male couriers continued to be required to read and write Chinese, both men and women of court society wrote prose and poetry in their native Japanese language using the newly devised *kana* script (see "Writing, Language, and Culture," page 357). They also used *kana* on text portions of new types of small-scale secular paintings—handscrolls or folding albums designed to be appreciated in private settings.

At the beginning of the eleventh century, the lady-in-waiting Lady Murasaki transposed the lifestyle of Heian aristocrats into fiction for the amusement of her fellow court ladies, in *The Tale of Gen j*, which some experts consider the world's first novel. The Japanese today admire this book as the pinnacle of their culture's



# A CLOSER LOOK

### The Tale of Gen i >

Scene from The Tale of Genji, Kashiwagi chapter.

Heian period, 12th century CE. Handscroll, ink and colors on paper,  $8^5\% \times 18^7\%$ (21.9 imes 47.9 cm). Tokugawa Art Museum, Nagoya. National Treasure.

Only 19 illustrated scenes from this earliest known example of an illustrated handscroll of The Tale of Genji, created about 100 years after the novel was written, have been preserved. Scholars assume that it once contained illustrations from the entire novel of 54 chapters, approximately 100 pictures in all. Each scroll seems to have been produced by a team of artists. One was the calligrapher, most likely a

member of the nobility. Another was the master painter, who outlined two or three illustrations per chapter in fine brushstrokes and indicated the color scheme. Next, colorists went to work, applying layer after layer of color to build up patterns and textures. After they had finished, the master painter returned to reinforce outlines and apply the finishing touches, among them the details of the faces.

Thickly applied mineral colors are A "line for an eye, hook for a nose" The building interior is seen from a bird's-eye now cracking and flaking. style is used for facial features. perspective via a "blown-away roof". A court lady beneath 12 layers of Court ladies have A free-standing curtain screen Wooden verandas surround Japanese robes holds a fan to shield her face.

SEE MORE: View the Closer Look feature for the Scene from The Tale of Genji www.myartslab.com

creates privacy.

literary achievements (in 2009, the official 1,000-year anniversary of its completion, numerous exhibitions and celebrations took place throughout Japan). Underlying the story of the love affairs of Prince Genji and his companions is the Japanese conception of fleeting pleasures and ultimate sadness in life, an echo of the Buddhist view of the vanity of earthly pleasures.

YAMATO-E HANDSCROLLS-THE TALE OF GENJI. One of the earliest extant secular paintings from Japan in a new native style is a series of scenes from an illustrated handscroll that depicts The Tale of Gen i, which unknown artists painted in the twelfth century. The painting of Japanese native subjects in Japanese rather than Chinese styles is known as yamato-e (native Japanese-style

houses, merging interior and exterior.

long, flowing hair.

pictures; Yamato is the old lapanese word for Japan). The type of yamato-e painting in the handscroll alternated sections of text with illustrations of scenes from the story and featured delicate lines, strong (but sometimes muted) mineral colors, and asymmetrical compositions. The Gen i paintings have a refined, subtle emotional impact. They generally show court figures in architectural settings, with the frequent addition of natural elements, such as sections of gardens, that help to convey the mood of the scene. Thus a blossoming cherry tree appears in a scene of happiness, while unkempt weeds appear in a depiction of loneliness. Such correspondence between nature and human emotion is an enduring feature of Japanese poetry and art. The figures in The Tale of Gen j paintings do not show their emotions directly on their faces, which are rendered with a few simple lines. Instead, their feelings are conveyed by colors, poses, and the total composition of the scenes.

One scene evokes the seemingly happy Prince Genji holding a baby boy borne by his wife, Nyosan. In fact, the baby was fathered by another court noble. Since Genji himself has not been faithful to Nyosan, who appears in profile below him, he cannot complain; meanwhile the true father of the child has died, unable to acknowledge his only son (see "A Closer Look," opposite). Thus, what should be a joyful scene has undercurrents of irony and sorrow. The irony is even greater because Genji himself is the illegitimate son of an emperor.

One might expect a painting of such an emotional scene to focus on the people involved. Instead, they are rendered in rather small size, and the scene is dominated by a screen that effectively squeezes Genji and his wife into a corner. This composition deliberately represents how their positions in courtly society have forced them into this unfortunate situation.

CALLIGRAPHY IN JAPANESE. The text portions of the *The Tale of Gen j* handscroll were written in *kana* script, which was also used to write poetry in Japanese. In the Heian period, the most popular form of native poetry was a 31-syllable format known as *waka*,



11-11 • ALBUM LEAF FROM THE ISHIYAMA-GIRE (DISPERSED VOLUMES, ONCE OWNED BY THE ISHIYAMA TEMPLE, OF THE ANTHOLOGY OF THE THIRTY-SIX IMMORTAL POETS)

Heian period, early 12th century ce. Ink with gold and silver on decorated and collaged paper,  $52 \times 17\frac{1}{6}$ " (131.8  $\times$  44 cm). Freer Gallery of Art, Smithsonian Institution, Washington, D.C. (F1969.4)

which had first been composed in the eighth century. During the Heian era, the finest *waka* by various writers were collected together and hand-copied in albums, the most popular of which, compiled in the eleventh century, featured writers collectively known as the Thirty-Six Immortal Poets, which is still appreciated by educated Japanese today. The earliest of many surviving examples of this iconic collection originally contained 39 volumes of poems. Two volumes were taken apart and sold in 1929, and now survive in single page sections (FIG. 11–11). Collectively these separated volumes are known as the *Ishiyama-gire* (Ishiyama fragments, named after Ishiyamadera, the temple that originally owned the volumes).



11-12 • Attributed to Toba Sojo DETAIL OF FROLICKING ANIMALS

Heian period, 12th century ce. Handscroll, ink on paper, height 12" (30.5 cm). Kozanji, Kyoto. National Treasure.

With its simple, flowing symbols interspersed occasionally with more complex Chinese characters, this style of writing created a distinctive asymmetrical balance to the appearance of the written words, entirely different from the formal symmetry of Chinese calligraphy. In these album leaves, the poems seem to float elegantly on fine colored papers decorated with painting, block printing, scattered gold and silver, and sometimes paper collage. Often, as in FIGURE 11–11, the irregular pattern of torn paper edges adds a serendipitous element. The page shown here reproduces two verses by the eighth-century courtier Ki no Tsurayuki that express melancholy emotions. One reads:

Until yesterday
I could meet her,
But today she is gone—
Like clouds over the mountain
She has been wafted away.

The spiky, flowing calligraphy and the patterning of the papers, the rich use of gold, and the suggestions of natural imagery match the elegance of the poetry, epitomizing courtly apparese taste.

YAMATO-E HANDSCROLLS—FROLICKING ANIMALS. In its sedate portrayal of courtly life, The Tale of Gen j scroll represents one side of yamato-e. But another style of native painting emerged contemporaneously. Characterized by bold, rapid strokes of the brush, and little or no use of color, it most often depicted subjects outside the court, in playful and irreverent activities. One of the early masterpieces of this style is Frolicking Animals, a set of handscrolls satirizing the life of many different levels of society. Painted entirely in ink,

the scrolls are attributed to Toba Sojo, the abbot of a Buddhist temple, and they represent the humor of Japanese art to the full.

In one scene, a frog buddha sits upon an altar while a monkey dressed as a monk prays proudly to him; in other scenes frogs, donkeys, foxes, and rabbits play, swim, and wrestle, with one frog boasting of his prowess when he flings a rabbit to the ground (FIG. 11–12). Unlike the *Genj* scroll, there is no text to *Frolicking Animals*, so it is hard to know exactly what was being satirized. Nevertheless, the universality of the humorous antics portrayed in this scroll highlights an important aspect of Japanese art that makes it instantly engaging to viewers everywhere.

#### KAMAKURA PERIOD

The courtiers of the Heian era became so engrossed in their own refinement that they neglected their responsibilities for governing the country. Clans of warriors—samurai—from outside the capital grew increasingly strong. Two of these, the Taira and Minamoto, wielded the most power and took opposing sides in the factional conflicts of the imperial court, in order to control the weakened emperor and take charge of running the country.

The Kamakura era (1185–1333) began when the head of the Minamoto clan, Yoritomo (1147–1199), defeated the Taira family and ordered the emperor to appoint him as shogun (general-inchief). To resist the softening effects of courtly life in Kyoto, he established his military capital in Kamakura, while the emperor continued to reside in Kyoto. Although Yoritomo's newly invented title of shogun nominally respected the authority of the emperor, at the same time it assured him of supreme military and political



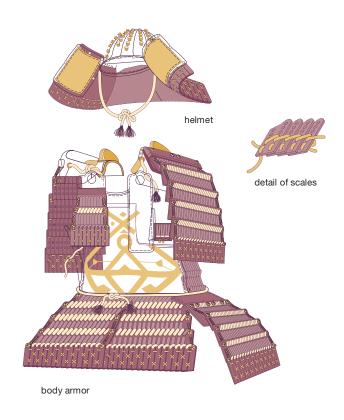
# ART AND ITS CONTEXTS

#### Arms and Armor

Battles such as the one depicted in *Night Attack on the Sanjo Palace* (SEE FIG. 11–13) were fought largely by archers on horseback. Samurai archers charged the enemy at full gallop and loosed their arrows just before they wheeled away. The scroll clearly shows their distinctive bow, with its asymmetrically placed handgrip. The lower portion of the bow is shorter than the upper so it can clear the horse's neck. The samurai wear a long, curved sword at the waist.

By the tenth century, Japanese swordsmiths had perfected techniques for crafting their legendarily sharp swords. Sword-makers face a fundamental difficulty: steel hard enough to hold a razor-sharp edge is brittle and breaks easily, but steel resilient enough to withstand rough use is too soft to hold a keen edge. The Japanese ingeniously forged a blade which laminated a hard cutting edge within less brittle support layers.

The earliest form of samurai armor, illustrated here, known as *yoroi*, was intended for use by warriors on horseback, as seen in FIGURE 11–13. It was made of overlapping iron and lacquered leather scales, punched with holes and laced together with leather thongs and brightly colored silk braids. The principal piece wrapped around the chest, left side, and back. Padded shoulder straps hooked it together back to front. A separate piece of armor was tied to the body to protect the right side. The upper legs were protected by a four-sided skirt that attached to the body armor, while two large rectangular panels tied on with cords guarded the arms. The helmet was made of iron plates riveted together. From it hung a neckguard flared sharply outward to protect the face from arrows shot at close range as the samurai wheeled away from an attack.



power. This tradition of rule by shogun that Yoritomo initiated lasted in various forms until 1868.

A BATTLE HANDSCROLL. The battles for domination between the Minamoto and the Taira became famous not only in medieval Japanese history but also in literature and art. One of the great painted handscrolls depicting these battles is **NIGHT ATTACK ON THE SANJO PALACE (FIG. 11–13)**. Painted perhaps 100 years after the actual event, the scroll conveys a sense of eye-witness reporting even though the anonymous artist had to imagine the scene from verbal (and at best semifactual) descriptions. The style of the painting includes some of the brisk and lively linework of *Frolicking Animals* and also traces of the more refined brushwork, use of color, and bird's-eye viewpoint of *The Tale of Gen j* scroll. The main element, however, is the savage depiction of warfare (see "Arms and Armor," above). Unlike the *Gen j* scroll, *Ni ght Attack* is full of action: flames engulf the palace, horses charge, warriors behead their enemies, court ladies try to hide, and a sense of

energy and violence is conveyed with great sweep and power. The era of poetic refinement was now over in Japan, and the new world of the samurai began to dominate the secular arts.

#### PURE LAND BUDDHIST ART

By the beginning of the Kamakura period, Pure Land Buddhist beliefs had swept throughout Japan, and several charismatic priests founded new sects to preach this ideology. They traveled all around the country spreading the new gospel, which appealed to people of all levels of education and sophistication. They were so successful that since the Kamakura period, Pure Land Buddhist sects have remained the most popular form of Buddhism in Japan.

A PORTRAIT SCULPTURE. The itinerant monk Kuya (903–972), famous for urging country folk to join him in singing chants in praise of the Buddha Amida, was one of the early proponents of Pure Land practices. Kamakura-period Pure Land Buddhist followers regarded him as a founder of their religious tradition.



#### 11-13 • SECTION OF NIGHT ATTACK ON THE SANJO PALACE

Kamakura period, late 13th century ce. Handscroll, ink and colors on paper,  $16^14 \times 275^12'''$  (41.3  $\times$  699.7 cm). Museum of Fine Arts, Boston. Fenollosa-Weld Collection (11.4000)

The battles between the Minamoto and Taira clans were fought primarily by mounted and armored warriors, who used both bows and arrows, and the finest swords. In the year 1160, some 500 Minamoto rebels opposed to the retired emperor Go-Shirakawa carried out a daring raid on the Sanjo Palace. In a surprise attack in the middle of the night, they abducted the emperor. The scene was one of great carnage, much of it caused by the burning of the wooden palace. Despite the drama of the scene, this was not the decisive moment in the war. The Minamoto rebels would eventually lose more important battles to their Taira enemies. Yet Minamoto forces, heirs to those who carried out this raid, would eventually prove victorious, destroying the Taira clan in 1185.

Believers would have immediately recognized Kuya in this thirteenth-century portrait statue by Kosho (FIG. 11–14): The traveling clothes, the small gong, the staff topped by deer horns (symbolic of his slaying a deer, whose death converted him to Buddhism), clearly identify the monk, whose sweetly intense expression gives this sculpture a radiant sense of faith. As for Kuya's chant, Kosho's solution to the challenge of putting words into sculptural form was simple but brilliant: He carved six small buddhas emerging from Kuya's mouth, one for each of the six syllables of *Na-mu-A-mi-da-Buts(u)* (the final u is not articulated). Believers would have understood that these six small buddhas embodied the Pure Land chant.

RAGO PAINTINGS. Pure Land Buddhism taught that even one sincere invocation of the sacred chant could lead the most wicked sinner to the Western Paradise. Paintings called **raigo** ("welcoming approach") were created depicting the Amida Buddha, accompanied by bodhisattvas, coming down to earth to welcome the soul of the dying believer. Golden cords were often attached to these paintings, which were taken to the homes of the dying. A person near death held onto these cords, hoping that Amida would escort the soul directly to paradise.

Raigo paintings differ significantly in style from the complex mandalas and fierce guardian deities of esoteric Buddhism. The



11-14 • Kosho KUYA PREACHING

Kamakura period, before 1207 ce. Painted wood with inlaid eyes, height 46½" (117.5 cm). Rokuhara Mitsuji, Kyoto. Important Cultural Property.



11–15 • DESCENT OF AMIDA AND THE TWENTY-FIVE BODHISATTVAS Kamakura period, 13th century ce. Hanging scroll, colors and gold on silk,  $57\frac{1}{4} \times 61\frac{1}{2}$ " (145 × 155.5 cm). Chionin, Kyoto. National Treasure.

earliest known example of this subject is found on the walls and doors of the Phoenix Hall, surrounding Jocho's sculpture of Amida (SEE FIG. 11–10). Like that statue, they radiate warmth and compassion. In the Kamakura period, *raigo* paintings were made in great numbers, reflecting the popularity of Pure Land Buddhism at that time. One magnificent example portrays Amida Buddha and 25 bodhisattvas swiftly descending over mountains. The artist used gold paint and thin slivers of gold leaf cut in elaborate patterning to suggest the divine radiance of the deities (FIG. 11–15). This

painstaking cut-gold leaf technique, known as *kirikane*, is one of the great achievements of early Japanese Buddhist artists. It originated in China, but Japanese artists refined and perfected it. In this painting, the darkened silk behind the figures heightens the sparkle of their golden aura. In the flickering light of oil lamps and torches, *rai go* paintings would have appeared magical in a temple or a dying person's home.

One of the most remarkable aspects of this painting is its sensitive rendering of the landscape, full of rugged peaks and



# THE OBJECT SPEAKS

#### Daruma, Founder of Zen

Zen monks modeled their behavior on that of the patriarch or founder of their lineage, the mythical Indian Buddhist sage Daruma (Bodhidharma in Sanskrit), who emigrated to China in the sixth century CE, and famously transmitted his teachings to a Chinese disciple, who became the second Chan patriarch. This portrait of Daruma (FIG. A) is one of the earliest surviving examples of a Japanese Zen painting. Using fine ink outlines and a touch of color for the robe and the figure's sandals, the artist portrays the Zen master seated meditating atop a rock, with an unwavering focused gaze that is intended to convey his inner strength and serenity. At the top of the scroll is an inscription in Chinese by Yishan Yining (1247-1317), one of several influential early Chinese Chan masters to emigrate to Japan. He had actually planned only to visit in his role as head of an official diplomatic delegation from China in 1299, but he wound up staying for the duration of his life. Although wary of him at first, his sincere intentions to teach Zen and his erudite abilities quickly attracted influential supporters, to whom he taught Chinese religious practices and cultural traditions. Thus soon after arrival, Yishan was appointed as the tenth head abbot of the

large Zen temple of Kenchoji in Kamakura, a post he held briefly, before moving on to head several other Zen temples.

Kenchoji had been founded in 1253 by another emigrant Chan master, Lanxi Daolong (1213-1278). Lanxi had been the first Chan master to travel to Japan. There, he was warmly received by the fifth Minamoto shogun who helped him plan construction of Kenchoji where, for the first time, authentic Chinese Chan Buddhism was to be taught in Japan. Kenchoji remains one of the most important Zen monasteries in Japan today. The temple owns many formal portraits of its founder, including this one (FIG. B), considered by many to be the best, in that it seems to capture Daolong's inner spirit as well as his outer form. This type of painting is peculiar to Chan and Zen sects and is known as chinso. These paintings were often gifts given by a master to disciples when they completed their formal training and departed his presence to officiate at their

own temples. They served as personal reminders of their master's teachings and tangible evidence of their right to transmit Zen teachings to their own pupils (like a diploma). Lanxi Daolong dedicated the inscription of this painting to an important regent (samurai official), a confidant of the shogun, and not an ordained Zen monk. This shows that Zen, from its early days in Japan, also strove to attract followers from among those in power who could not abandon their secular life for the rigorous, cloistered existence required of Zen monks who lived in temples.



B. PORTRAIT OF THE CHINESE ZEN MASTER LANXI DAOLONG Inscription by Lanxi Daolong. Kamakura period, dated 1271 ce. Hanging scroll, colors on silk, 41⅓ × 18″ (105 × 46.1 cm). Kenchoji, Kamakura. National Treasure.

#### A. DARUMA

Artist unknown, inscription by Chinese Chan (Zen) master Yishan Yining (1247–1317). Kamakura period, early 14th century CE. Hanging scroll, ink and colors on silk,  $39^5 \% \times 20'' (100.8 \times 50.8 \text{ cm}). \text{ Tokyo}$  National Museum. Important Cultural Property.

flowering trees. These natural elements reveal that the Japanese possessed great appreciation for the beautiful land in which they dwelled, an appreciation that stems from Shinto beliefs. Coincidence cannot account for the fact that Shinto pictures portraying the landscape of Japan as divine first appeared in the Kamakura period, just when Pure Land Buddhism grew popular. One of these paintings is the Kasuga Shrine *mandala* of FIGURE 11–1. It illustrates how artists contributed to the merging of the two faiths of Buddhism and Shinto at that time. The artist of this work intentionally made the shrine buildings resemble those of the palatial abode of Amida in his Western Paradise and rendered the landscape details with the radiant charm of Amida's heaven.

#### ZEN BUDDHIST ART

Toward the latter part of the Kamakura period, Zen Buddhism was introduced to Japan from China where it was already highly developed and known as Chan. Zen had been slow to reach Japan because of the interruption of relations between the two countries during the Heian period. But during the Kamakura era, both emigrant Chinese (see "Daruma, Founder of Zen," opposite) and Japanese monks who went to China to study Buddhism, and returned home enthused about the new teachings they learned there, brought Zen to Japan. The monk Kuya, represented in the statue by Kosho (SEE FIG. 11–14), epitomized the itinerant life of a Pure Land Buddhist monk who wandered the countryside and relied on the generosity of believers to support him. Zen monks lived very differently. They secluded themselves in monasteries, leading an austere life of simplicity and self-responsibility.

In some ways, Zen resembles the original teachings of the historical Buddha in that it emphasizes individual enlightenment through meditation, without the help of deities or magical chants. It especially appealed to the self-disciplined spirit of samurai warriors, who were not satisfied with the older forms of Buddhism connected with the Japanese court. Zen was the last major form of Buddhism to reach Japan from the Asian mainland and it had a profound and lasting impact on Japanese arts and culture.

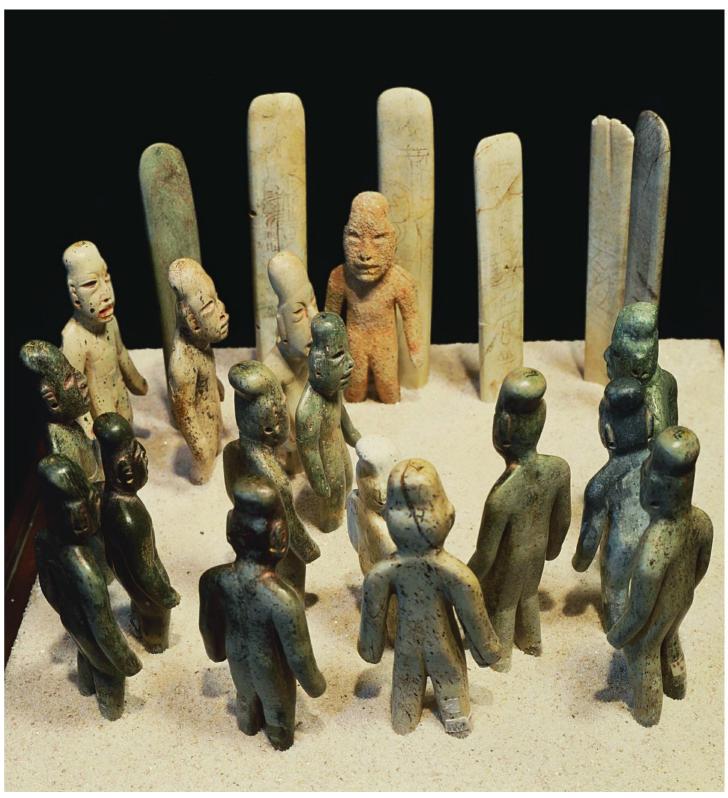
Just as the *Night Attack* (SEE FIG. 11–13) reveals a propensity for recording the consequences of political turbulence through representation of gruesome battle scenes in vivid colors, Kamakura-era Buddhist sculpture and painting also emphasized realism. Various factors account for this new taste. Society was dominated by samurai warriors, who possessed a more pragmatic outlook on the world than the Heian-period courtiers who lived a dreamlike existence at court. In addition, renewed contacts with China introduced new styles for Buddhist art that also emphasized realism. Finally, forging personal connections with heroic exploits and individuals, both past and present, political and religious, greatly concerned the people of the Kamakura period. Representing these figures in arresting pictorial and sculpted images helped reinforce legends and perpetuate their influence, which accounts for the predominance of these subjects in the period's art.

As the Kamakura era ended, the seeds of the future were planted both politically and culturally. The coming age witnessed the nation's continued dominance by the warrior class and the establishment of Zen as the religion of choice among those warriors who wielded power at the highest levels. As before, the later history of Japanese art continued to be marked by an intriguing interplay between native traditions and imported foreign culture.

#### THINK ABOUT IT

- 11.1 Discuss Japan's relationship with China during the Kamakura period with respect to patterns of influence. Include specific examples related to society, as well as art techniques learned, referring to Chapter 10 as necessary.
- 11.2 Discuss the development of Japanese native-style arts during the Heian period. Define the main characteristics of native traditions of writing and secular painting. Describe how the innovations in new forms of Buddhist sculpture then differed from older forms in appearance, technique, and materials used.
- 11.3 Discuss the development of Buddhist practice and Buddhist sculpture over the course of time in Japan by selecting an image or object from three of the following four periods: Asuka, Nara, Heian, Kamakura. Explain each work in the context of its respective culture, including its relation to particular practices of Buddhism, for example Zen.
- 11.4 Summarize the beliefs of the Shinto religion and discuss the integration of Shinto and Buddhist traditions in Japanese culture.
- 11.5 Distinguish the defining characteristics of esoteric and Pure Land Buddhist painting and explain these differences with reference to one work of each from the chapter.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**12-1 • OFFERING 4, LA VENTA** Mexico. Olmec culture, c. 900–400 BCE. Jade, greenstone, and sandstone, height of figures 614–7" (16–18 cm). Museo Nacional de Antropología, Mexico City.

# ART OF THE AMERICAS BEFORE 1300

The scene hints at a story in progress. Fifteen figures of precious greenstone converge on a single figure made of a baser, more porous stone. The tall oblong stones (celts) in the background evoke an architectural space, perhaps a location within the Olmec center of La Venta, where this tableau was created sometime between 900 and 400 BCE. The figures have the slouching bodies, elongated heads, almond-shaped eyes, and downturned mouths characteristic of Olmec art. Holes for earrings and the simple lines of the bodies suggest that these sculptures may originally have been dressed and adorned with perishable materials. The poses of the figures, with their knees slightly bent and their arms flexed at their sides, lend a sense of arrested movement to this enigmatic scene. Is it a council? a trial? an initiation? Are the greenstone figures marching in front of the reddish granite figure as he reviews them, or moving to confront him? With no texts to explain the scene, the specific tale it narrates may never be known, but it is clear that this offering commemorates an important event.

And it was remembered. This tableau (Fig. 12–1) was set up in the earth and buried underneath a plaza at La Venta, one of a number of offerings of works of art and precious materials beneath the surface of the city. Colored sand and floors

covered the offerings, each colored floor signifying a successive renovation of the plaza. Over a century after these sculptures were buried, a hole was dug directly over the offering and it was viewed once more. Pieces of the later floors fell into the hole, but the figures themselves were not disturbed. After this, the scene was buried once again. The precision of this later excavation suggests that the exact location of the tableau was remembered. The archaeological record makes clear that this work of art, although hidden, still exerted tremendous power.

This extraordinary find demonstrates the importance of scientific archaeological excavations for understanding ancient art. Had these objects been torn out of the ground by looters and sold piecemeal on the black market, we would never have known how Olmec sculptures were used to create narrative installations or imagined that buried art could be remembered for so long. Instead, this discovery provides a context for isolated greenstone figures that have been found throughout Mesoamerica (modern Mexico, Guatemala, and Honduras). It provides evidence that these sculptures were made by the Olmec, Mesoamerica's first great civilization, and suggests that these objects, scattered today, might have once been assembled in meaningful ways like the offering at La Venta.

#### LEARN ABOUT IT

- 12.1 Recognize how differences in environmental conditions affected the artistic output of Mesoamerica, South America, and North America.
- **12.2** Explore how the role or function of an object is critical to understanding its meaning in ancient American visual arts.
- **12.3** Compare and contrast the use of urban planning in ancient American cultures.
- **12.4** Examine how Maya writing functions, and how it relates to Maya images.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

#### THE NEW WORLD

In recent years the question of the original settlement of the Americas has become an area of debate. The traditional view has been that human beings arrived in North and South America from Asia during the last Ice Age, when glaciers trapped enough of the world's water to lower the level of the oceans and expose a land bridge across the Bering Strait. Although most of present-day Alaska and Canada was covered by glaciers at that time, an ice-free corridor along the Pacific coast would have provided access from Asia to the south and east. Thus, this theory holds that sometime before 12,000 years ago, perhaps as early as 20,000 to 30,000 years ago, Paleolithic hunter-gatherers emerged through this corridor and began to spread out into two vast, uninhabited continents. This view is now challenged by the early dates of some new archaeological finds and by evidence suggesting the possibility of early connections with Europe as well, perhaps along the Arctic coast of the North Atlantic. In any event, by between 10,000 and 12,000 years ago, bands of hunters roamed throughout the Americas, and after the ice had retreated, the peoples of the Western Hemisphere were essentially cut off from the rest of the world until they were overrun by European invaders, beginning at the end of the fifteenth century CE.

In this isolation the peoples of the Americas experienced cultural transformations similar to those seen elsewhere around the world following the end of the Paleolithic era. In most regions they developed an agricultural way of life. A trio of native plants—corn, beans, and squash—was especially important, but people also cultivated potatoes, tobacco, cacao, tomatoes, and avocados. New World peoples also domesticated many animals: dogs, turkeys, guinea pigs, llamas, and their camelid cousins—alpacas, guanacos, and vicuñas.

As elsewhere, the shift to agriculture in the Americas was accompanied by population growth and, in some places, the rise of hierarchical societies, the appearance of ceremonial centers and towns with monumental architecture, and the development of sculpture, ceramics, and other arts. The people of Mesoamerica the region that extends from central Mexico well into Central America—developed writing, astronomy, a complex and accurate calendar, and a sophisticated system of mathematics. Central and South American peoples had advanced metallurgy and produced exquisite gold, silver, and copper objects. The metalworkers of the Andes, the mountain range along the western coast of South America, began to produce metal jewelry, weapons, and agricultural implements in the first millennium CE, and people elsewhere in the Americas made tools, weapons, and art from other materials such as bone, ivory, stone, wood, and, where it was available, obsidian, a volcanic glass capable of a cutting edge 500 times finer than surgical steel. Basketry and weaving became major art forms. In the American Southwest, Native American people built multi-storied, apartmentlike village and cliff dwellings, as well as elaborate irrigation systems with canals. Evidence of weaving in the American Southwest dates to about 7400 BCE.

Extraordinary artistic traditions flourished in many regions in the Americas before 1300 CE. This chapter explores the accomplishments of some of the cultures in five of those areas: Mesoamerica, Central America, the central Andes of South America, the Southeastern Woodlands and great river valleys of North America, and the North American Southwest.

#### **MESOAMERICA**

Ancient Mesoamerica encompasses the area from north of the Valley of Mexico (the location of Mexico City) to present-day Belize, Honduras, and western Nicaragua in Central America (MAP 12–1). The region is one of great contrasts, ranging from tropical rainforest to semiarid mountains. The civilizations that arose in Mesoamerica varied, but they were linked by cultural similarities and trade. Among their shared features were a ballgame with religious and political significance (see "The Cosmic Ballgame," page 389), aspects of monumental building construction, and a complex system of multiple calendars including a 260-day divinatory cycle and a 365-day ritual and agricultural cycle. Many Mesoamerican societies were sharply divided into elite and commoner classes.

The transition to farming began in Mesoamerica between 7000 and 6000 BCE, and by 3000 to 2000 BCE settled villages were widespread. Customarily the region's subsequent history is divided into three broad periods: Formative or Preclassic (1500 BCE–250 CE), Classic (250–900 CE), and Postclassic (900–1521 CE). This chronology derives primarily from the archaeology of the Maya—the people of Guatemala, southern Mexico, and the Yucatan Peninsula—with the Classic period bracketing the era during which the Maya erected dated stone monuments. The term reflects the view of early scholars that the Classic period was a kind of golden age. Although this view is no longer current—and the periods are only roughly applicable to other cultures of Mesoamerica—the terminology has endured.

#### THE OLMEC

The first major Mesoamerican art style, that of the Olmec, emerged during the Formative/Preclassic period, beginning around 1500 BCE. Many of the key elements of Mesoamerican art, including monumental stone sculpture commemorating individual rulers, finely carved jades, elegant ceramics, and architectural elements such as pyramids, plazas, and ballcourts, were first developed by the Olmec. In the fertile, swampy coastal areas of the present-day Mexican states of Veracruz and Tabasco, the Olmec raised massive earth mounds on which they constructed ceremonial centers. These centers probably housed an elite group of rulers and priests supported by a larger population of farmers who lived in villages of pole-and-thatch houses. The presence at Olmec sites of goods such as obsidian, iron ore, and jade that are not found in the Gulf of Mexico region but come from throughout Mesoamerica indicates that the Olmec participated in extensive long-distance trade. They went to especially great lengths



MAP 12-1 • THE AMERICAS BEFORE 1300

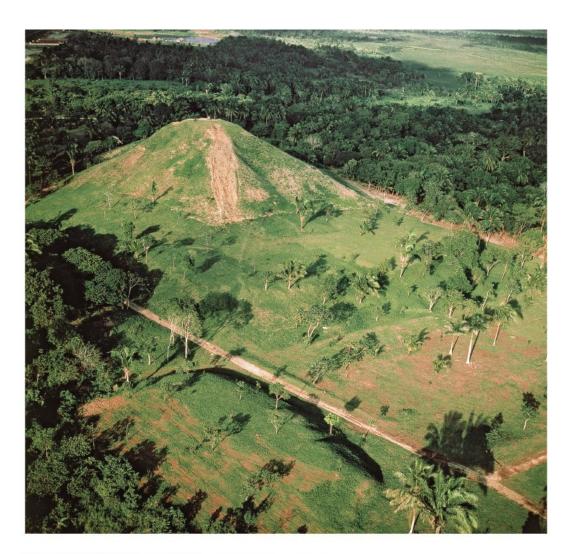
People moved across North America, then southward through Central America until they reached the Tierra del Fuego region of South America.

to acquire jade, which was one of the most precious materials in ancient Mesoamerica.

The earliest Olmec ceremonial center (c. 1200–900 BCE), at San Lorenzo, was built atop a giant earthwork, nearly three-quarters of a mile long, with an elaborate stone drainage system running throughout the mound. Other architectural features included a palace with basalt columns, a possible ballcourt, and a stone-carving workshop. Another center, at La Venta, thriving from about 900 to 400 BCE, was built on high ground between rivers. Its most prominent feature, an earth mound known as the Great Pyramid, still rises to a height of over 100 feet (FIG. 12–2). The pyramid stands at the south end of a large, open plaza arranged on a north–south axis and defined by long, low earth mounds. Many of the physical features of La Venta—including the symmetrical arrangement of earth mounds, platforms, and central open spaces along an axis that was probably determined by

astronomical observations—are characteristic of later monumental and ceremonial architecture throughout Mesoamerica. What was buried beneath the surface of La Venta—massive stone mosaics, layers of colored clay, and greenstone figures like those in FIGURE 12–1, discussed at the beginning of the chapter—may have been as important as what was visible on the surface.

The Olmec produced an abundance of monumental basalt sculpture, including **COLOSSAL HEADS** (FIG. 12–3), altars, and seated figures. The huge basalt blocks for the large works of sculpture were quarried at distant sites and transported to San Lorenzo, La Venta, and other centers. Colossal heads ranged in height from 5 to 12 feet and weighed from 5 to more than 20 tons. The heads portray adult males wearing close-fitting caps with chin straps and large, round earspools (cylindrical earrings that pierce the earlobe). The fleshy faces have almond-shaped eyes, flat broad noses, thick protruding lips, and downturned mouths. Each face is different, suggesting that



12-2 • GREAT PYRAMID AND PLAZA, LA VENTA Mexico. Olmec culture, c. 900–400 BCE. Pyramid height approx. 100' (30 m).



they may represent specific individuals. Ten colossal heads were found at San Lorenzo. Many had been mutilated and buried by about 900 BCE, when the site went into decline. At La Venta, 102 basalt monuments have been found, including four more colossal heads, massive thrones or altars, tall stone **stelae**, and other kinds of figural sculpture. The colossal heads and the subjects depicted on other monumental sculpture suggest that the Olmec elite were interested in commemorating rulers and historic events.

In addition to these heavy basalt monuments, Olmec artists also made smaller, more portable jade and ceramic objects (SEE FIG. 12–1). Jade, available only from the Motagua River valley in present-day Guatemala, was prized for its brilliant blue-green color and the smooth, shiny surfaces it could achieve with careful polishing. Jade is one of the hardest materials in Mesoamerica, and with only stone tools available, Olmec craftsmen used jade tools and powdered jade dust as an abrasive to carve and polish these sculptures. Other figurines were made out of softer and more malleable greenstones, like serpentine, which occur in many parts of Mesoamerica. Olmec ceramics, including decorated vessels and

12-3 • COLOSSAL HEAD, SAN LORENZO

Mexico. Olmec culture, c. 1200-900 BCE. Basalt, height 7'5" (2.26 m).



# 12-4 • CEREMONIAL CENTER OF THE CITY OF TEOTIHUACAN

Mexico. Teotihuacan culture, c. 100–650 cE. View from the southeast. The Pyramid of the Sun is in the foreground, and the Pyramid of the Moon is visible in the distance. The Avenue of the Dead, the north–south axis of the city, which connects the two pyramids, continues for over a mile.

SEE MORE: View a simulation about the Ceremonial Center of Teotihuacan

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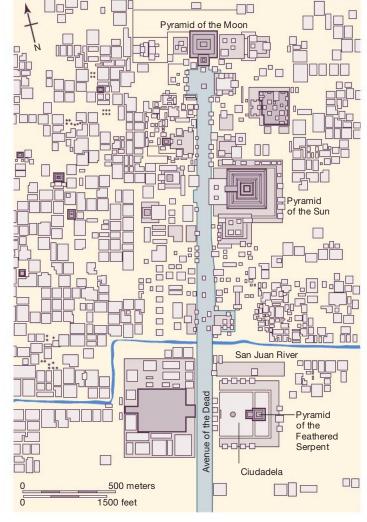
remarkably lifelike clay babies, also appear to have been prized far beyond the Olmec heartland. Olmec greenstone and ceramic objects have been found throughout Mesoamerica, evidence of the extensive reach and influence of Olmec art and culture.

By 200 CE, forests and swamps had begun to reclaim Olmec sites, but Olmec civilization had spread widely throughout Mesoamerica and was to have an enduring influence on its successors. As the Olmec centers of the Gulf Coast faded, the great Classic period centers in the Maya region and Teotihuacan area in the Valley of Mexico were beginning their ascendancy.

#### TEOTIHUACAN

Located some 30 miles northeast of present-day Mexico City, the city of Teotihuacan experienced a period of rapid growth early in the first millennium CE. By 200 CE, it had emerged as Mesoamerica's first truly urban settlement, a significant center of commerce and manufacturing. At its height, between 300 and 650, Teotihuacan covered nearly nine square miles and had a population of at least 125,000, making it the largest city in the Americas and one of the largest in the world at that time (FIG. 12–4). Its residents lived in walled "apartment compounds," and the entire city was organized on a grid (FIG. 12–5), its orientation chosen both for its calendrical significance and to respond to the surrounding landscape.

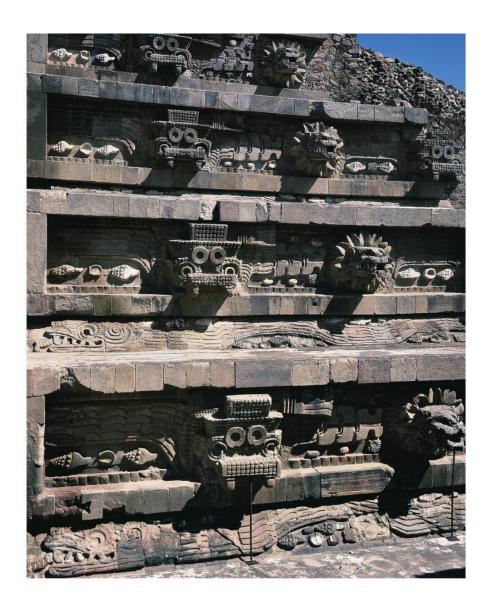
Although Teotihuacan declined in power after 650, it was never forgotten. Centuries later, it remained a legendary pilgrimage center. The much later Aztec people (c. 1300–1525) revered the site, believing it to be the place where the gods created the sun and the moon. In fact, Teotihuacan, a word indicating a place of divinity, is the Aztec name for the city. The names we use for its principal monuments are also Aztec names. We do not know what



12-5 • PLAN OF THE CEREMONIAL CENTER OF TEOTIHUACAN

#### 12-6 • PYRAMID OF THE FEATHERED SERPENT

The Ciudadela, Teotihuacan, Mexico. Teotihuacan culture, c. 200 ce.



the original inhabitants of Teotihuacan called these buildings or what they called their own city.

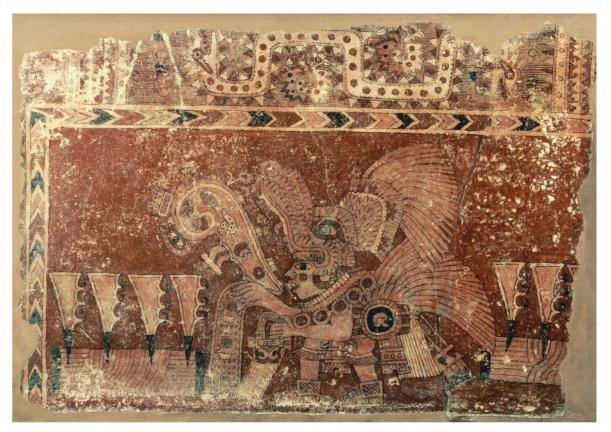
The center of the city is bisected by a broad thoroughfare laid out on a north—south axis, extending for more than a mile and in places as much as 150 feet wide, which the Aztecs called the Avenue of the Dead. At the center of the Teotihuacan grid, a series of canals forced the San Juan River to run perpendicular to the avenue. At the north end of this central axis stands the Pyramid of the Moon, facing a large plaza flanked by smaller, symmetrically placed platforms. It seems to echo the shape of the mountain behind it, and as one walks towards the pyramid, it looms above, eclipsing the mountain completely. The Pyramid of the Moon was enlarged several times, as were many Mesoamerican pyramids; each enlargement completely enclosed the previous structure and was accompanied by rich sacrificial offerings.

The largest of Teotihuacan's architectural monuments, the Pyramid of the Sun, located just to the east of the Avenue of the Dead, is slightly over 200 feet high and measures about 720 feet on each side at its base, similar in size to, but not as tall as, the largest Egyptian pyramid at Giza. It is built over a multi-chambered cave

with a spring that may have been the original focus of worship at the site and its source of prestige. The pyramid rises in a series of sloping steps to a flat platform, where a small temple once stood. A monumental stone stairway led from level to level up the side of the pyramid to the temple platform. The exterior was faced with stone, which was then stuccoed and painted.

At the southern end of the ceremonial center, and at the heart of the city, is the Ciudadela (Spanish for a fortified city center), a vast sunken plaza surrounded by temple platforms. One of the city's principal religious and political centers, the plaza could accommodate an assembly of more than 60,000 people. Early in Teotihuacan's history, its focal point was the **PYRAMID OF THE FEATHERED SERPENT (FIG. 12–6)**. This seven-tiered structure exhibits the *talud-tablero* (slope-and-panel) construction that is a hallmark of the Teotihuacan architectural style. The *talud* (sloping base) of each platform supports a *tablero* (entablature), that rises vertically and is surrounded by a frame.

Archaeological excavations of the temple's early phase have revealed undulating feathered serpents floating in a watery space punctuated by reliefs of aquatic shells. Their flat, angular, abstract



12-7 • BLOODLETTING RITUAL

Fragment of a fresco from Teotihuacan, Mexico. Teotihuacan culture, c. 550–650 ce. Pigment on lime plaster,  $32^1 \text{ } 4 \times 45^1 \text{ } 4''$  (82  $\times$  116.1 cm). The Cleveland Museum of Art. Purchase from the J. H. Wade Fund (63.252)

The maguey plant supplied the people of Teotihuacan with food, with fiber for making clothing, rope, and paper, and with the precious drink pulque. As this painting indicates, priestly officials used its spikes in rituals to draw their own blood as a sacrifice.

style, typical of Teotihuacan art, is in marked contrast to the curvilinear forms of Olmec art. While the bodies of the feathered serpents are rendered in low relief, three-dimensional fanged serpent heads emerge from aureoles of stylized feathers. In the vertical tablero sections, each serpent carries on its body a squarish headdress with a protruding upper jaw, huge, round eyes originally inlaid with obsidian, and a pair of round goggles on its forehead between the eyes. These mosaic headdresses seem to represent an aspect of the Teotihuacan Storm God associated with warfare other works of art at Teotihuacan and elsewhere in Mesoamerica show armed warriors wearing the same headdress. Inside the pyramid, this militaristic message was reinforced by the burials of dozens of sacrificial victims, some of them wearing necklaces made of human maxillae and jawbones (or shell imitations thereof), their arms tied behind their backs. In the fourth century, the elaborate sculptural façade of the Pyramid of the Feathered Serpent was concealed behind a plainer talud-tablero structure tacked onto the front of the pyramid.

The residential sections of Teotihuacan fanned out from the city's center. The large and spacious palaces of the elite, with as many as 45 rooms and seven patios, stood nearest the ceremonial center. Artisans, foreign traders, and peasants lived farther away, in

more crowded compounds, all aligned to the Teotihuacan grid. Palaces and more humble homes alike were rectangular one-story structures with high walls and suites of rooms arranged around open courtyards. Walls were plastered and covered with paintings.

Teotihuacan's artists worked in a fresco technique, applying pigments directly on damp lime plaster. Once the paint was applied, the walls were polished to give a smooth, shiny, and durable surface. The style, like that of the sculpture, was flat, angular, and abstract, often featuring processions of similarly dressed figures, rows of mythological animals, or other kinds of repeating images. Teotihuacan painters worked in several different coloristic modes, including a bright polychrome and a more restricted palette emphasizing tones of red. A detached fragment of a wall painting, now in the Cleveland Museum of Art, depicts a **BLOODLETTING RITUAL** in which an elaborately dressed man enriches and revitalizes the earth with his own blood (FIG. 12-7). The man's large animal headdress, decorated with precious feathers from the quetzal bird, indicates his high rank. He stands between rectangular plots of earth or bundles of grass pierced with bloody maguey spines (used in bloodletting), and he scatters seeds or drops of blood from his right hand, as indicated by the stream of conventionalized symbols for blood, seeds, and flowers falling from his hand. The sound scroll emerging from his open mouth symbolizes his ritual chant. The visual weight accorded the headdress and the sound scroll suggests that the man's priestly office and chanted words were essential elements of the ceremony. Such bloodletting rituals were widespread in Mesoamerica.

Teotihuacan was a wealthy and cosmopolitan city, home to people from all over Mesoamerica. One reason for its wealth was its control of a source of high-quality obsidian. Goods made at Teotihuacan, including obsidian tools and pottery, were distributed widely throughout Mesoamerica in exchange for luxury items such as the brilliant green feathers of the quetzal bird. Yet not all interactions between Teotihuacan and other Mesoamerican centers were peaceful—the threat of Teotihuacan military force, so clearly expressed at the Pyramid of the Feathered Serpent, was always present.

Sometime in the early seventh century disaster struck Teotihuacan. The ceremonial center was sacked and burned, and the city went into a permanent decline. Nevertheless, its influence continued as other centers throughout Mesoamerica, as far south as the highlands of Guatemala, borrowed and transformed its imagery over the next several centuries.

#### THE MAYA

The ancient Maya are noted for a number of achievements. In densely populated cities they built imposing pyramids, temples, palaces, and administrative structures. They developed the most advanced hieroglyphic writing in Mesoamerica and perfected a sophisticated version of the Mesoamerican calendrical system (see "Maya Writing," opposite). Using these, they recorded the accomplishments of their rulers on sculpture, ceramic vessels, wall paintings, and in books. They studied astronomy and the natural cycles of plants and animals, and used sophisticated mathematical concepts such as zero and place value.

An increasingly detailed picture of the Maya has been emerging from recent archaeological research and from advances in deciphering their writing. That picture shows a society divided into competing city-states, each with a hereditary ruler and an elite class of nobles and priests supported by a large group of farmer-commoners. Rulers established their legitimacy, maintained links with their divine ancestors, commemorated important calendrical dates, and sustained the gods through elaborate rituals, including ballgames, bloodletting ceremonies, and human sacrifice. Rulers commemorated such events and their military exploits on carved stelae. A complex pantheon of deities presided over the Maya universe.



12-8 • BASE OF NORTH ACROPOLIS (LEFT) AND TEMPLE I
Tikal, Guatemala. Maya culture. North Acropolis, 4th century BCE-5th century CE; Temple I (Tomb of Ruler A), c. 734 CE.



# ART AND ITS CONTEXTS

## Maya Writing

Maya writing is logosyllabic - it consists of ideographs or logographs that represent entire words as well as a set of symbols that stand for the sound of each syllable in the Maya language. Thus, a word like balam (jaguar) could be written in many different ways: with the logograph "BALAM", a picture of the head of a jaguar (top right); with three syllables, "ba-la-ma", for the sounds of the word balam (bottom right); or a combination of the two systems—the logograph "BALAM" complemented with one or more phonetic syllables, to make it clear which logograph was represented (to avoid the possibility of confusing this logograph with the symbol for hix, another kind of feline, for example) (middle right). The combination of these two systems allowed Maya scribes extraordinary flexibility, and some calligraphers seem to have delighted in finding as many different ways as possible to write the same word. Many Maya logographs remained very pictorial, like the glyph for jaguar illustrated here, which meant that Maya writing was never too distant from other kinds of image making. In fact, the same word, ts'ib, signified both writing and painting in the Classic Mayan language.

With major advances in the decipherment of Maya hieroglyphic writing—beginning in the 1950s and continuing to this day—it has become clear that the inscriptions on Maya architecture and stelae appear almost entirely devoted to historical events. They record the

dates of royal marriages, births of heirs, alliances between cities, and great military victories, and they tie these events to astronomical events and propitious dates in the Maya calendar. We know that the Maya also wrote books, but only four of these fragile manuscripts—called codices—have survived, all of them from the Postclassic period.



**BALAM** 







ba-BALAM

BALAM-ma

ba-BALAM-ma



ba-la-ma

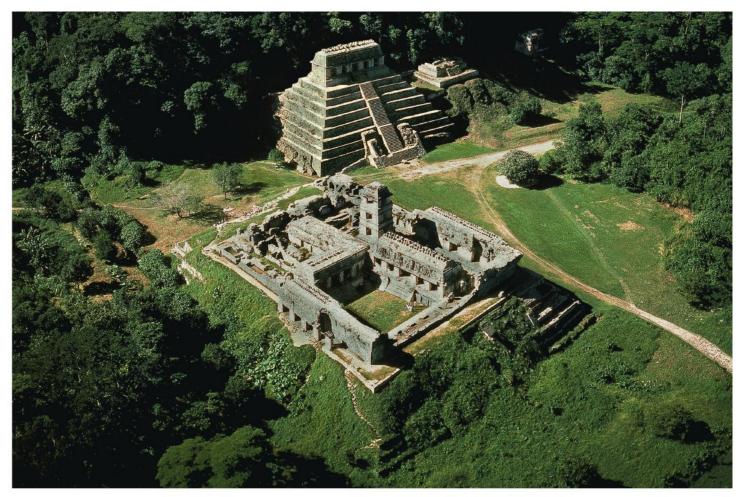
Maya civilization emerged during the late Preclassic period (400 BCE–250 CE), reached its peak in the southern lowlands of Mexico and Guatemala during the Classic period (250–900 CE), and shifted to the northern Yucatan Peninsula during the Postclassic period (900–1521 CE). Throughout this time, the Maya had strong ties with other regions of Mesoamerica: They inherited many ideas and technologies from the Olmec, had trade and military interactions with Teotihuacan, and, centuries later, were in contact with the Aztec Empire.

TIKAL. The monumental buildings of Maya cities were masterly examples of the use of architecture for public display. Tikal (in present-day Guatemala) was one of the largest Maya cities, with a population of as many as 70,000 at its height. Like other Maya cities—yet unlike Teotihuacan, with its grid plan—Tikal conformed to the uneven terrain of the rainforest. Plazas, pyramid-temples, ballcourts, and other structures stood on high ground connected by wide elevated roads, or causeways.

Tikal was settled in the Late Preclassic period, in the fourth century BCE, and continued to flourish through the Early Classic period. The kings of Tikal were buried in funerary pyramids in the North Acropolis, visible on the left in FIGURE 12–8, which was separated by a wide plaza from the royal palace to the south.

Tikal suffered a major upheaval in 378 CE, recorded in texts from the city and surrounding centers, when the arrival of strangers from Teotihuacan precipitated the death of Tikal's king and the installation of a new ruler with ties to Central Mexico. Art from this period shows strong Teotihuacan influence in ceramic and architectural forms, though both were soon adapted to suit local Maya aesthetics. The city enjoyed a period of wealth and regional dominance until a military defeat led to a century of decline.

In the eighth century CE, the city of Tikal again flourished during the reign of Jasaw Chan K'awiil (nicknamed Ruler A before his name could be fully read, r. 682–734), who initiated an ambitious construction program and commissioned many stelae decorated with his own portrait. One of these, Stela 16, was dedicated on the period-ending date of 9.14.0.0.0 in the Maya calendar (December 5, 711; see "A Closer Look," page 387). His portrait fills nearly the entire space of this nearly 6-foot-tall stone. He stands with his head in profile, his body frontal, and his legs splayed out with the heels together. His elaborate costume—embellished with quetzal feathers, jade, and other precious materials—almost completely conceals his body. Ruler A's program culminated in the construction of Temple I (SEE FIG. 12–8), a tall pyramid that faces a companion pyramid, Temple II, across a large central plaza. Containing Ruler A's tomb in the limestone bedrock



**12-9 • PALACE (FOREGROUND) AND TEMPLE OF THE INSCRIPTIONS**Palenque, Mexico. Maya culture. Palace, 5th–8th century ce; Temple of the Inscriptions (Tomb of Pakal the Great), c. 683 ce.

below, Temple I rises above the forest canopy to a height of more than 140 feet. Its base has nine layers, probably reflecting the belief that the underworld had nine levels. Priests climbed the steep stone staircase on the exterior to the temple on top, which consists of two narrow, parallel rooms covered with a steep roof supported by corbel vaults. The crest that rises over the roof of the temple, known as a **roof comb**, was originally covered with brightly painted sculpture. Ritual performances on the narrow platform at the top of the pyramid would have been visible throughout the plaza. Inspired by Ruler A's building program, later kings of Tikal also built tall funerary pyramids that still tower above the rainforest canopy.

PALENQUE. The small city-state of Palenque (in the present-day Mexican state of Chiapas) rose to prominence later than Tikal, during the Classic period. Hieroglyphic inscriptions record the beginning of its royal dynasty in 431 CE, but the city had only limited regional importance until the ascension of a powerful ruler, K'inich Janahb Pakal (pakal is Mayan for "shield"), who ruled from 615 to 683. Known as Pakal the Great, he and his sons, who succeeded him, commissioned most of the structures visible at Palenque today. As at Tikal, urban planning responds to the

landscape. Perched on a ridge over 300 feet above the swampy lowland plains, the buildings of Palenque are terraced into the mountains with a series of aqueducts channeling rivers through the urban core. The center of the city houses the palace, the Temple of the Inscriptions, and other temples (FIG. 12–9). Still other temples, elite palaces, and a ballcourt surround this central group.

The palace was an administrative center as well as a royal residence. At its core was the throne room of Pakal the Great, a spacious structure whose stone roof imitated the thatched roofs of more humble dwellings. Over time, the palace grew into a complex series of buildings organized around four courtyards, where the private business of the court was transacted. From the outside, the palace presented an inviting façade of wide staircases and open colonnades decorated with stucco sculptures, but access to the interior spaces was tightly limited.

Next to the palace stands the Temple of the Inscriptions, Pakal the Great's funerary pyramid. Rising 75 feet above the plaza, it has nine levels like Temple I at Tikal (SEE FIG. 12–8). The shrine on the summit consists of a portico with five entrances and a vaulted inner chamber originally surmounted by a tall roof comb. Its façade still retains much of its stucco sculpture. The inscriptions that give the



Maya Stela >

Stela 16

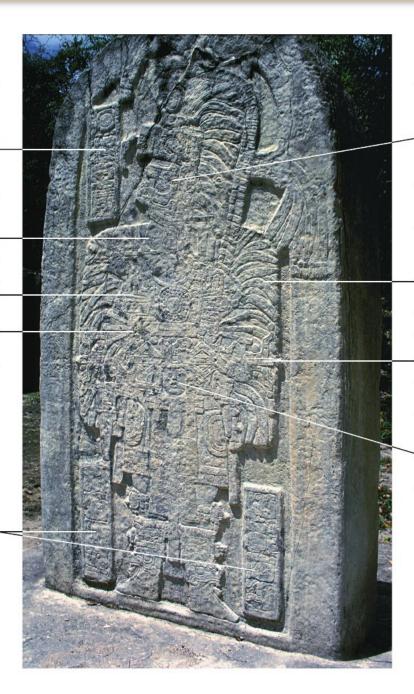
Tikal, Guatemala. Maya culture, 711 ce.

The text in this cartouche records the dedication date for this stela, 6 Ahaw 13 Muwaan (9.14.0.0.0, or December 5, 711 cE), an important period-ending date that was celebrated throughout the Maya region.

Ruler A's face peers out from all his finery. He wears large jade earspools and a long bar or nose ornament reaches out in front of his face.

Pectoral necklaces, made of jade and bone, lie above a collar of round jade beads. Jade and feathers were among the most precious materials in ancient Mesoamerica, so this costume is a stunning display of wealth.

The text in these two cartouches names Jasaw Chan K'awiil (Ruler A) as Holy Lord of Tikal and lists other of his titles.



Elaborate feathered headdress decorated with a skull mask, perhaps representing a deity that Ruler A impersonated in the dedication ceremony for this monument. Note how some of the plumes break the borders of the stela.

This feathered backrack, like the feathered headdress, may have been made out of quetzal feathers or other precious tropical plumes. These brightly colored, iridescent feathers would have shimmered as Ruler A moved.

In his hands Ruler A holds a ceremonial bar of rulership, the traditional emblem of authority of Maya kings.

Ruler A also wears a belt decorated with three jade masks, one shown frontally at the center and two shown in profile at the hips. Jade masks like these have been found at several Maya sites.

SEE MORE: View the Closer Look feature for the Maya Stela www.myartslab.com

building its name consist of three large panels of text that line the back wall of the outer chamber at the top of the temple, linking Pakal's accomplishments to the mythical history of the city. A corbel-vaulted stairway beneath the summit shrine zigzags down

80 feet to a small subterranean chamber that contained the undisturbed tomb of Pakal, which was discovered in the 1950s.

Pakal the Great lay in a monolithic carved sarcophagus that represented him balanced between the underworld and the earth.

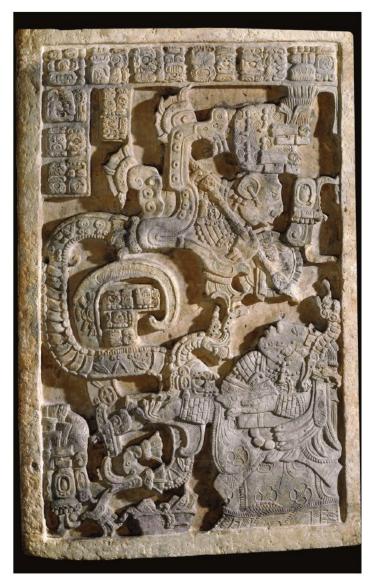


**12-10 • PORTRAIT OF PAKAL THE GREAT**From Pakal's tomb, Temple of the Inscriptions, Palenque, Mexico. Maya culture, mid 7th century ce. Stucco and red paint, height  $16^7 \ell''$  (43 cm). Museo Nacional de Antropología, Mexico City.

His ancestors, carved on the sides of the sarcophagus, witness his death and apotheosis. The stucco portrait of Pakal found with his sarcophagus shows him as a young man wearing a diadem of jade and flowers (FIG. 12–10). His features—sloping forehead and elongated skull (babies' heads were bound to produce this shape), large curved nose (enhanced by an ornamental bridge), full lips, and open mouth—are characteristic of the Maya ideal of beauty, that of the youthful Maize God whose stepped and upswept hairstyle this portrait adopts. His long, narrow face and jaw are individual characteristics. Traces of pigment indicate that this portrait, like much Maya sculpture, was colorfully painted.

SCULPTURE FOR LADY XOK. Elite men and women, rather than gods, were the usual subjects of Maya sculpture, and most works show rulers performing religious rituals in elaborate costumes and headdresses. Although they excelled at three-dimensional clay and stucco sculpture (SEE FIG. 12–10), the Maya favored low relief for carving stelae and buildings. One outstanding example is a carved

lintel from a temple in the city of Yaxchilan, dedicated in 726 by Lady Xok, the principal wife and queen of the ruler nicknamed "Shield Jaguar the Great." In this retrospective image of a rite conducted when Shield Jaguar became the ruler of Yaxchilan in 681, Lady Xok conjures up a serpent vision that spews forth a warrior in Teotihuacan costume who aims his spear at the kneeling queen (FIG. 12–11). The relief is unusually high, giving the sculptor ample opportunity to display a virtuoso carving technique, for example, in Lady Xok's garments and jewelry. The lintels were originally brightly painted as well. The calm idealized face of the queen recalls the portrait of Pakal the Great. That the queen commissioned her depictions on the lintels of this temple is an indication of her importance at court, and of the power that elite Maya women could attain.



12-11 • LADY XOK'S VISION (ACCESSION CEREMONY)

Lintel 25 of a temple (Structure 23), Yaxchilan, Mexico. Maya culture. Dedicated in 726 ce. Limestone,  $46^1\!\!\!/_2\times29^1\!\!\!/_8$  (118  $\times$  74 cm). British Museum. Acquired by the British Museum in 1883



# ART AND ITS CONTEXTS

## The Cosmic Ballgame

The ritual ballgame was one of the defining characteristics of Mesoamerican society. It was generally played on a long, rectangular court with a large, solid, heavy rubber ball. Using their elbows, knees, or hips—but not their hands—heavily padded players directed the ball toward a goal or marker. The rules, size and shape of the court, the number of players on a team, and the nature of the goal varied. The largest surviving ballcourt at Chichen Itza was about the size of a modern football field. Large stone rings set in the walls of the court about 25 feet above the field served as goals.

The game was a common subject in Mesoamerican art (SEE FIG. 12–12). Players, complete with equipment, appear as ceramic figurines and on stone sculptures and painted vases. The game may have had religious and political significance: It features in creation stories, and was sometimes associated with warfare. Captive warriors might have been made to play the game, and players might have been sacrificed when the stakes were high.

PAINTING. Artists had high status in Maya society: Vase painters and scribes were sometimes members of the ruling elite, perhaps even members of the royal family. Some of our most vivid impressions of Maya courtly life and painting style come from cylindrical vessels. The example illustrated in FIGURE 12–12 shows four lords playing the ballgame, the architectural space of the ballcourt suggested by a few horizontal lines (see "The Cosmic Ballgame," above). The men wear elaborate headdresses and padded protective gear to protect them from the heavy rubber ball. The painter has chosen a moment of arrested movement: One player

kneels to hit the ball—or has just hit it—while the others gesture and lean toward him. The roll-out photograph here shows the entire scene, but a person holding the vase would have to turn the vessel to see what was happening. The text running around the rim of the vase is a standard dedicatory inscription, naming it as a vessel for drinking chocolate, and tests of residues inside such vases have confirmed this use. Without sugar or milk, Maya chocolate was a very different drink from the one we are used to, a frothy and bitter beverage consumed on courtly and ritual occasions.



12-12 • CYLINDRICAL VESSEL WITH BALLGAME SCENE

(Roll-out photograph) Maya culture, 600–800 ce. Painted ceramic, diameter 63%" (15.9 cm), height 81%" (20.5 cm). Dallas Museum of Art. 1983.148. Gift of Mr. and Mrs. Raymond Nasher

EXPLORE MORE: Gain insight from a primary source on the Maya civilization www.myartslab.com

POSTCLASSIC PERIOD. After warfare and environmental crisis led to the abandonment of the lowland Maya city-states around 800, the focus of Maya civilization shifted north to the Yucatan Peninsula. One of the principal cities of the Postclassic period was Chichen Itza, which means "at the mouth of the well of the Itza," and may refer to the deep *cenote* (sinkhole) at the site that was sacred to the Maya. The city flourished from the ninth to the thirteenth century, and at its height covered about 6 square miles.

One of Chichen Itza's most conspicuous structures is a massive nine-level pyramid in the center of a large plaza, nicknamed El Castillo ("the castle" in Spanish) (FIG. 12-13). A stairway on each side of the radial pyramid leads to a square temple on the summit. At the spring and fall equinoxes, the setting sun casts undulating shadows on the stairway, forming bodies for the serpent heads carved at the base of the north balustrades, pointing towards the Sacred Cenote. Many prominent features of Chichen Itza are markedly different from earlier Maya sites and hint at ties to Central Mexico, including long, colonnaded halls and inventive columns in the form of inverted, descending serpents. Brilliantly colored relief sculpture and painting covered the buildings of Chichen Itza. Many of the surviving works show narrative scenes that emphasize military conquests. Sculpture at Chichen Itza, including the serpent columns and balustrades, and the halfreclining figures known as chacmools, has the sturdy forms, proportions, and angularity of architecture, rather than the curving subtlety of Classic Maya sculpture. The chacmools may represent fallen warriors and were used to receive sacrificial offerings.

After Chichen Itza's decline, Mayapan, in the center of the Yucatan Peninsula, became the principal Maya center. But by the time the Spanish arrived in the early sixteenth century, Mayapan, too, had declined (destroyed in the mid fifteenth century), and smaller cities like Tulum, located on the Caribbean coast, were all that remained. The Maya people and much of their culture would survive the devastation of the conquest, adapting to the imposition

of Hispanic customs and beliefs. Many Maya continue to speak their own languages, to venerate traditional sacred places, and to follow traditional ways.

#### CENTRAL AMERICA

Unlike their neighbors in Mesoamerica, who lived in complex hierarchical societies, the people of Central America lived in extended family groups, in towns led by chiefs. A notable example of these small chiefdoms was the Diquis culture (located in present-day Costa Rica), which lasted from about 700 to 1500 CE. The Diquis occupied fortified villages and seem to have engaged in constant warfare with one another. Although they did not produce monumental architecture or sculpture, they created fine featherwork, ceramics, textiles, and objects of gold and jade.

Metallurgy and the use of gold and copper-gold alloys were widespread in Central America. The technique of lost-wax casting probably first appeared in present-day Colombia between 500 and 300 BCE. From there it spread north to the Diquis. A small, exquisite pendant (FIG. 12–14) illustrates the style and technique of Diquis goldwork. The pendant depicts a male figure wearing bracelets, anklets, and a belt with a snake-headed penis sheath. He plays a drum while holding the tail of a snake in his teeth and its head in his left hand. The wavy forms with serpent heads emerging from his scalp suggest an elaborate headdress, and the creatures emerging from his legs suggest some kind of reptile costume. The inverted triangles on the headdress probably represent birds' tails.

In Diquis mythology, serpents and crocodiles inhabited a lower world, humans and birds a higher one. Diquis art depicts animals and insects as fierce and dangerous. Perhaps the man in the pendant is a shaman transforming himself into a composite s erpent-bird or performing a ritual snake dance surrounded by serpents or crocodiles. The scrolls on the sides of his head may represent the shaman's power to hear and understand the speech of



12-13 • PYRAMID ("EL CASTILLO") WITH CHACMOOL IN FOREGROUND

Chichen Itza, Yucatan, Mexico. Maya culture, 9th–12th century ce. Library, Getty Research Institute, Los Angeles.

From the top of the Temple of the Warriors, where a reclining *chacmool* sculpture graces the platform, there is a clear view of the radial pyramid nicknamed "El Castillo."



**12–14 • SHAMAN WITH DRUM AND SNAKE** Costa Rica. Diquis culture, c. 13–16th century ce. Gold,  $4^1$ /<sub>4</sub> ×  $3^1$ /<sub>4</sub>" (10.8 × 8.2 cm). Museos del Banco Central de Costa Rica, San José, Costa Rica.

animals. Whatever its specific meaning, the pendant evokes a ritual of mediation between earthly and cosmic powers involving music, dance, and costume.

Whether gold figures of this kind were protective amulets or signs of high status, they were certainly more than personal adornment. Shamans and warriors wore gold to inspire fear, perhaps because gold was thought to capture the energy and power of the sun. This energy was also thought to allow shamans to leave their bodies and travel into cosmic realms.

# SOUTH AMERICA: THE CENTRAL ANDES

Like Mesoamerica, the central Andes of South America—primarily present-day Peru and Bolivia—saw the development of complex hierarchical societies with rich and varied artistic traditions. The area is one of dramatic contrasts. The narrow coastal plain, bordered by the Pacific Ocean on the west and the abruptly soaring Andes mountains on the east, is one of the driest deserts in the world. Life here depends on the rich marine resources of the Pacific Ocean and the rivers that descend from the Andes, forming a series of valley oases. The Andes themselves are a region of lofty

snowcapped peaks, high grasslands, steep slopes, and deep, fertile river valleys. The high grasslands are home to the Andean camelids that have served for thousands of years as beasts of burden and a source of wool and meat. The lush eastern slopes of the Andes descend to the tropical rainforest of the Amazon basin.

In contrast to developments in other parts of the world, Andean peoples developed monumental architecture and textiles long before ceramics and intensive agriculture, usually the two hallmarks of early civilization. Thus, the earliest period of monumental architecture, beginning around 3000 BCE, is called the Preceramic period. On the coast, sites with ceremonial mounds and plazas were located near the sea, while in the highlands early centers consisted of multi-roomed stone-walled structures with sunken central fire pits for burning ritual offerings. In the second millennium BCE (the Initial Period), as agriculture became more important both in the highlands and on the coast, the scale and pace of construction increased dramatically. Communities in the coastal valleys built massive U-shaped ceremonial complexes, while highland religious centers focused on sunken circular courtyards. By adding to these constructions bit by bit over generations, and using older constructions as the nucleus of new buildings, relatively small communities could generate mountain-size pyramids.

#### **CHAVIN DE HUANTAR**

Located on a trade route between the coast and the Amazon basin, the highland site of Chavin de Huantar was an important religious center between 900 and 200 BCE, home to an art style that spread through much of the Andes. In Andean chronology, this era is known as the Early Horizon, the first of three so-called Horizon periods. The period was one of artistic and technical innovation in ceramics, metallurgy, and textiles.

The architecture of Chavin synthesizes coastal and highland traditions, combining the U-shaped pyramid typical of the coast with a sunken circular plaza lined with carved reliefs, a form common in the highlands. The often fantastical animals that adorn Chavin sculpture have features of jaguars, hawks, caimans, and other tropical Amazonian beasts.

Within the U-shaped Old Temple at Chavin is a mazelike system of narrow galleries, at the very center of which lies a sculpture called the Lanzón (FIG. 12–15). Wrapped around a 15-foot-tall blade-shaped stone with a narrow projection at the top—a form that may echo the shape of traditional Andean planting sticks—this complex carving depicts a powerful creature with a humanoid body, clawed hands and feet, and enormous fangs. Its eyebrows and strands of hair terminate in snakes—a kind of composite and transformational imagery shared by many Chavin images. The image is bilaterally symmetrical, except that the creature has one hand raised and the other lowered. Compact frontality, flat relief, curvilinear design, and the combination of human, animal, bird, and reptile parts characterize this early art.

It has been suggested that the Lanzón was an oracle (a chamber directly above the statue would allow priests' disembodied voices to



12-15 • LANZÓN, CHAVIN DE HUANTAR Peru. Chavin culture, c. 900 BCE. Height, 15' (4.5 m). Granite.

filter into the chamber below), which would explain why people from all over the Andes made pilgrimages to Chavin, bringing exotic goods to the highland site and spreading its art style throughout the Andean region as they returned home.

#### THE PARACAS AND NAZCA CULTURES

While Chavin de Huantar was flourishing as a highland center whose art was enormously influential throughout the Andes, different valleys on the Pacific coast developed distinctive art styles and cultures.

PARACAS. The Paracas culture of the Peruvian south coast flourished from about 600 BCE to 200 CE, overlapping the Chavin period. It is best known for its stunning textiles, which were found in cemeteries as wrappings, in many layers, around the

bodies of the dead. Some bodies were wrapped in as many as 200 pieces of cloth.

Weaving is of great antiquity in the central Andes and continues to be among the most prized arts in the region (see "Andean Textiles," page 394). Fine textiles were a source of prestige and wealth. The designs on Paracas textiles include repeated embroidered figures of warriors, dancers, and composite creatures such as bird-people (FIG. 12–16). Embroiderers used tiny overlapping stitches to create colorful, curvilinear patterns, sometimes using as many as 22 different colors within a single figure, but only one simple stitch. The effect of the clashing and contrasting colors and tumbling figures is dazzling.

NAZCA. The Nazca culture, which dominated portions of the south coast of Peru from about the year 0 to 700 CE, overlapped the Paracas culture to the north. Nazca artisans wove fine fabrics, and also produced multicolored pottery with painted and modeled images reminiscent of those on Paracas textiles.

The Nazca are best known for their colossal earthworks, or **geoglyphs**, which dwarf even the most ambitious twentieth-century environmental sculpture. On great stretches of desert they literally drew in the earth. By removing dark, oxidized stones, they exposed the light underlying stones. In this way they created gigantic images—including a hummingbird with a beak 120 feet long (FIG. 12–17), a killer whale, a monkey, a spider, a duck, and other birds—similar to those with which they decorated their pottery. They also made abstract patterns and groups of straight, parallel lines that extend for up to 12 miles. The purpose and meaning of the glyphs remain a mystery, but the "lines" of stone are wide enough to have been ceremonial pathways.



**12-16 • MANTLE WITH BIRD IMPERSONATORS** Paracas Peninsula, Peru. Paracas culture, c. 200 BCE–200 CE. Camelid fiber, plain weave with stem-stitch embroidery (detail), approx.  $40^{\prime\prime} \times 7^{\prime}$ 11" (1.01  $\times$  2.41 m). Museum of Fine Arts, Boston. Denman Waldo Ross Collection (16.34a)

#### THE MOCHE CULTURE

The Moche culture dominated the north coast of Peru from the Piura Valley to the Huarmey Valley—a distance of some 370 miles—between about 100 and 700 CE. Moche lords ruled each valley in this region from a ceremonial-administrative center. The largest of these, in the Moche Valley (from which the culture takes its name), contained the so-called Huaca del Sol (Pyramid of the Sun) and Huaca de la Luna (Pyramid of the Moon), both built of adobe brick (sun-baked blocks of clay mixed with straw). The Huaca del Sol, one of the largest ancient structures in South America, was originally 1,100 feet long by 500 feet wide, rising in a series of terraces to a height of 59 feet. Much of this pyramid was destroyed in the seventeenth century, when a Spanish mining company diverted a river through it to wash out the gold contained in its many burials. Recent excavations at the Huaca de la Luna have revealed brightly painted reliefs of deities, captives, and warriors, remade during successive renovations of the pyramid. This site had been thought to be the capital of the entire Moche realm, but evidence is accumulating that indicates that the Moche maintained a decentralized social network.

The Moche were exceptional potters and metalsmiths. Vessels were made in the shape of naturalistically modeled human beings, animals, and architectural structures. They developed ceramic molds, which allowed them to mass-produce some forms. They also created realistic **PORTRAIT VESSELS** (FIG. 12–18) and recorded mythological narratives and ritual scenes in intricate fine-line painting. Similar scenes were painted on the walls of



**12–18 • MOCHE PORTRAIT VESSEL**Moche culture, Peru. c. 100–700 ce. Clay, height 11" (28 cm). Ethnologisches Museum, Staatliche Museen zu Berlin.

This is one of several portrait vessels, made from the same mold, that seems to show a particular individual.



**12–17 • EARTH DRAWING (GEOGLYPH) OF A HUMMINGBIRD, NAZCA PLAIN**Southwest Peru. Nazca culture, c. 0–700 ce. Length approx. 450′ (137 m); wingspan approx. 220′ (60.9 m).

# **TECHNIQUE** | Andean Textiles

Textiles were one of the most important forms of art and technology in Andean society. Specialized fabrics were developed for everything from ritual burial shrouds and shamans' costumes to rope bridges and knotted cords for record keeping. Clothing indicated ethnic group and social status and was customized for certain functions, the most rarefied being royal ceremonial garments made for specific occasions and worn only once. The creation of textiles, among the most technically complex cloths ever made, consumed a major portion of ancient Andean societies' resources.

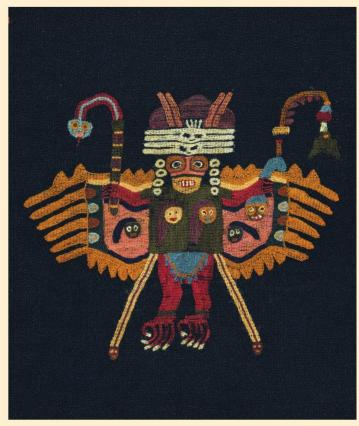
Andean textile artists used two principal materials: cotton and camelid fiber. (Camelid fiber—Ilama, alpaca, guanaco, or vicuña hair—is the Andean equivalent of wool.) Cotton grows on the coast, while Ilamas, alpacas, and other camelids thrive in the highlands. The presence of cotton fibers in the highlands and camelid fibers on the coast demonstrates trade between the two regions from very early times. The production of textiles was an important factor in the domestication of both plants (cotton) and animals (Ilamas).

The earliest Peruvian textiles were made by twining, knotting, wrapping, braiding, and looping fibers. Those techniques continued to be used even after the invention of weaving looms in the early second millennium BCE. Most Andean textiles were woven on a simple, portable backstrap loom in which the undyed cotton warp (the lengthwise threads) was looped and stretched between two bars. One bar was tied to a stationary object and the other strapped to the waist of the weaver. The weaver controlled the tension of the warp threads by leaning back and forth while threading a shuttle from side to side to insert the weft (crosswise threads). Changing the arrangement of the warp threads between each passage of the weft created a stable interlace of warp and weft: a textile.

Andean artists used a variety of different techniques to decorate their textiles, creating special effects that were prized for their labor-intensiveness and difficulty of manufacture as well as their beauty. In tapestry weaving, a technique especially suited to representational textiles, the weft does not run the full width of the fabric; each colored section is woven as an independent unit. Embroidery with needle and thread on an already woven textile allows even greater freedom from the rigid warp-and-weft structure of the loom, allowing the artist to create curvilinear forms with thousands of tiny stitches. As even more complex techniques developed, the

production of a single textile might involve a dozen processes requiring highly skilled workers. Dyeing technology, too, was an advanced art form in the ancient Andes, with some textiles containing dozens of colors.

Because of their complexity, deciphering how these textiles were made can be a challenge, and scholars rely on contemporary Andean weavers—inheritors of this tradition—for guidance. Now, as then, fiber and textile arts are primarily in the hands of women.



MANTLE WITH BIRD IMPERSONATORS (DETAIL)
From the Paracas Peninsula, Peru. Paracas culture, c. 200 BCE-200 CE.
Camelid fiber, plain weave with stem-stitch embroidery. Museum of
Fine Arts, Boston. Denman Waldo Ross Collection (16.34a)

temples and administrative buildings. Moche metalsmiths, the most sophisticated in the central Andes, developed several innovative metal alloys.

THE TOMB OF THE WARRIOR PRIEST. A central theme in Moche iconography is the sacrifice ceremony, in which prisoners captured in battle are sacrificed and several elaborately dressed figures then drink their blood. Archaeologists have labeled the principal figure in the ceremony as the Warrior Priest and other important figures as the Bird Priest and the Priestess. The recent discovery of a number of spectacularly rich Moche tombs indicates that the

sacrifice ceremony was an actual Moche ritual and that Moche lords and ladies assumed the roles of the principal figures. The occupant of a tomb at Sipán, in the Lambayeque Valley on the northwest coast, was buried with the regalia of the Warrior Priest. In tombs at the site of San José de Moro, just south of Sipán, several women were buried with the regalia of the Priestess.

Among the riches accompanying the Warrior Priest at Sipán was a pair of exquisite gold-and-turquoise **EARSPOOLS**, each of which depicts three Moche warriors (FIG. 12–19). The central figure bursts into three dimensions, while his companions are shown in profile, in a flat inlay technique. All three are adorned



12-19 • EARSPOOL

Sipán, Peru. Moche culture, c. 300 cE. Gold, turquoise, quartz, and shell, diameter approx. 3" (9.4 cm). Bruning Archaeological Museum, Lambayeque, Peru.

with tiny gold-and-turquoise earspools, simpler versions of the object they themselves adorn. They wear gold-and-turquoise headdresses topped with delicate sheets of gold that resemble the crescent-shaped knives used in sacrifices. The central figure has a crescent-shaped nose ornament and carries a removable gold club and shield. A necklace of owl's-head beads strung with gold thread hangs around his shoulders; similar objects have been found in other tombs at Sipán. These earspools illustrate some of the most notable features of Moche art: its capacity for naturalism and its close attention to detail.

# NORTH AMERICA

Compared to the densely inhabited agricultural regions of Mesoamerica and South America, most of North America remained sparsely populated. Early people lived primarily by hunting, fishing, and gathering edible plants. Agriculture was developed on a limited scale: People cultivated squash, sunflowers, and other plants to supplement their diet of game, fish, and berries.

#### THE EAST

The culture of eastern North America is only beginning to be understood. Archaeologists have shown that people lived in communities that included both burial and ceremonial earthworks—mounds of earth-formed platforms that probably supported a chief's house and served as the shrines of ancestors and places for a sacred fire, tended by special guardians. One of the

largest, though not the earliest of the ceremonial centers (this distinction goes to Watson Brake, Louisiana, dating to 3400–3000 BCE), is Poverty Point, Louisiana. Between 1800 and 500 BCE people constructed huge, concentric earthen arcs three-quarters of a mile wide. Scholars have noted that these earthworks are contemporary with Stonehenge in England (SEE FIG. 1–21) and with Olmec constructions in Mexico (SEE FIG. 12–2).

THE WOODLAND PERIOD. The Woodland period (300 BCE–1000 CE) saw the creation of impressive earthworks along the great river valleys of the Ohio and Mississippi. People built monumental mounds and buried individuals with valuable grave goods. Objects discovered in these burials indicate that the people of the Mississippi, Illinois, and Ohio river valleys traded widely with other regions of North and Central America. For example, the burial sites of the Adena (c. 1100 BCE–200 CE) and the Hopewell (c. 100 BCE–550 CE) cultures contained objects made with copper from present-day Michigan's Upper Peninsula, and cut sheets of mica from the Appalachian Mountains, turtle shells and sharks' teeth from Florida, and obsidian from Wyoming and Idaho. The pipes the Hopewell people created from fine-grained pipestone have been found from Lake Superior to the Gulf of Mexico.

The Hopewell carved their pipes with representations of forest animals and birds, sometimes with inlaid eyes and teeth of freshwater pearls and bone. Combining realism and elegant simplification, a beaver crouching on a platform forms the bowl of a pipe found in present-day Illinois (FIG. 12–20). As in a modern pipe, the bowl—a hole in the beaver's back—could be filled with tobacco or other dried leaves, the leaves lighted, and smoke drawn through the hole in the stem. Using the pipe in this way, the



**12-20 • BEAVER EFFIGY PLATFORM PIPE** Bedford Mound, Pike County, Illinois. Hopewell culture, c. 100–400 ce. Pipestone, river pearls, and bone,  $4\% \times 1\% \times 2$ ". Gilcrease Museum, Tulsa, Oklahoma.



12-21 • GREAT SERPENT MOUND Adams County, Ohio. c. 1070 ce. Length approx. 1,254' (328.2 m).

smoker would be face to face with the beaver, whose shining pearl eyes may suggest an association with the spirit world.

THE MISSISSIPPIAN PERIOD. The Mississippian period (c. 700–1550 CE) is characterized by the widespread distribution of complex

chiefdoms, both large and small, that proliferated throughout the region. The people of the Mississippian culture continued the mound-building tradition begun by the Adena, Hopewell, and others. From 1539 to 1543 Hernando de Soto explored the region and encountered Mississippian societies. However, contact

between native North American people and Europeans resulted in catastrophe. The Europeans introduced the germs of diseases, especially smallpox, to which native populations had had no previous exposure and hence no immunity. In short order, 80 percent of the native population perished, an extraordinary disruption of society, far worse than the Black Death in fourteenth-century Europe. By the time other Europeans reached the area, the great earthworks of the Mississippian culture were long abandoned.

One of the most impressive Mississippian period earthworks is the **GREAT SERPENT MOUND** in present-day Adams County, Ohio (FIG. 12–21). Researchers using carbon-14 dating have recently proposed dating the mound at about 1070 CE. There have been many interpretations of the twisting snake form, especially the "head" at the highest point, a Y-shape and an oval enclosure that some see as the



12-22 • RECONSTRUCTION OF CENTRAL CAHOKIA, AS IT WOULD HAVE APPEARED ABOUT 1150 CE

East St. Louis, Illinois. Mississippian culture, c. 1000–1300 ce. East–west length approx. 3 miles (4.5 km), north–south length approx.  $2^1$ /4 miles (3.6 km); base of great mound,  $1,037 \times 790'$  (316  $\times$  241 m), height approx. 100' (30 m). Monk's Mound is the large platform in the center of the image. Painting by William R. Iseminger. Courtesy of Cahokia Mounds Historic site.



**12–23 • PELICAN FIGUREHEAD** Florida Glades culture, Key Marco, Florida. c. 1000 ce. Wood and paint,  $4^3 \times 2^3 \times 3^1 \times (11.2 \times 6 \times 8 \text{ cm})$ . The University Museum of Archaeology and Anthropology, Philadelphia. (T4.303)

serpent opening its jaws to swallow a huge egg. Perhaps the people who built it were responding to the spectacular astronomical display of Halley's Comet in 1066.

Mississippian peoples built a major urban center known as Cahokia, near the juncture of the Illinois, Missouri, and Mississippi rivers (now East St. Louis, Illinois). Although the site may have been inhabited as early as about 3000 BCE, most monumental construction at Cahokia took place between about 1000 and 1300 CE. At its height the city had a population of as many as 15,000 people, with another 10,000 in the surrounding countryside (FIG. 12–22).

The most prominent feature of Cahokia is an enormous earth mound called Monk's Mound, covering 15 acres and originally 100 feet high. A small, rounded platform on its summit initially supported a wooden fence and a rectangular building. The mound is aligned with the sun at the equinox and may have had a special use during planting or harvest festivals. Smaller rectangular and rounded mounds in front of the principal mound surrounded a large, roughly rectangular plaza. The city's entire ceremonial center was protected by a stockade, or fence, of upright wooden posts. In all, the walled enclosure contained more than 100 mounds, platforms, wooden enclosures, and houses. The various earthworks functioned as tombs and bases for palaces and temples, and also served to make astronomical observations.

Postholes indicate that woodhenges (circles of wooden columns) were a significant feature of Cahokia. The largest (seen to the extreme left in FIGURE 12–22) had 48 posts forming a circle with a diameter of about 420 feet. Sight lines between a 49th post set east of the center of the enclosure and points on the perimeter enabled native astronomers to determine solstices and equinoxes.

FLORIDA GLADES CULTURE. In 1895, excavators working in submerged mud and shell mounds off Key Marco on the west coast of Florida made a remarkable discovery. Posts carved with birds and animals were found preserved in the swamps. The large mound called Fort Center, in Glades Country, Florida, gives the culture its name: Florida Glades.

In Key Marco painted wooden animal and bird heads, a human mask, and the figure of a kneeling cat-human were found in circumstances that suggested a ruined shrine. Recently carbon-14 dating of these items has confirmed a date of about 1000 CE. Although the heads are spare in details, the artists show a remarkable power of observation in reproducing the creatures they saw around them, such as the **PELICAN** in **FIGURE 12–23**. The surviving head, neck, and breast of the pelican are made of carved wood, painted black, white, and gray (other images also had traces of pink and blue paint). The bird's outstretched wings were found nearby, but the wood shrank and disintegrated as it dried. Carved wooden wolf and deer heads were also found. Archaeologists think the heads might have been attached to ceremonial furniture or posts. Such images suggest the existence of a bird and animal cult or perhaps the use of birds and animals as clan symbols.

#### THE NORTH AMERICAN SOUTHWEST

Farming cultures were slower to arise in the arid American Southwest, which became home to three major early cultures. The Mimbres/Mogollon culture, located in the mountains of west-central New Mexico and east-central Arizona, flourished from about 200 to about 1250 CE. Potters made deep bowls with lively scenes of humans and animals inside. The Hohokam culture, centered in the central and southern parts of present-day Arizona, emerged around 200 BCE and endured until sometime around 1300 CE. The Hohokam built large-scale irrigation systems, multi-story residences, and ballcourts that demonstrate ties with Mesoamerica.

The third southwestern culture, the Ancestral Puebloans (formerly called Anasazi), emerged around 500 CE in the Four Corners region, where present-day Colorado, Utah, Arizona, and New Mexico meet. The Puebloans adopted the irrigation technology of the Hohokam and began building elaborate, multistoried, apartmentlike "great houses" with many rooms for specialized purposes, including communal food storage and ritual.

Ancestral Puebloan people found aesthetic expression in their pottery, an ancient craft refined over generations. Women were the potters in ancient Pueblo society. They developed a functional, aesthetically pleasing, coil-built earthenware, or low-fired ceramic. Ceramic traditions continue to be important today among the

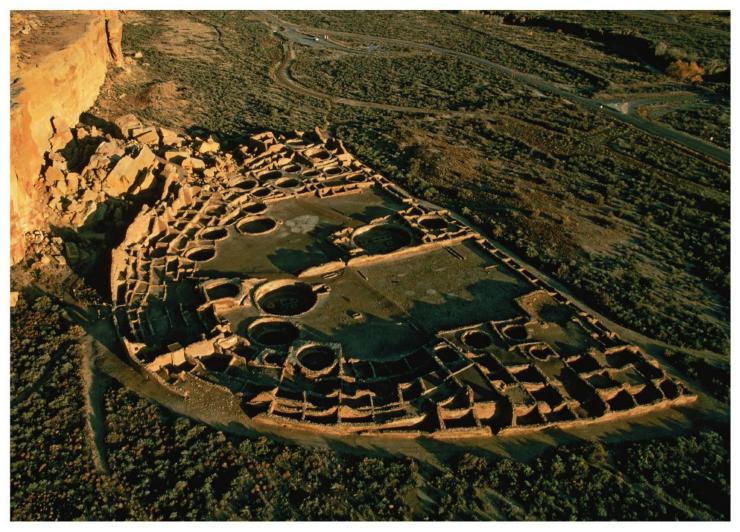


12-24 • SEED JAR Ancestral Puebloan culture, c. 1150 ce. Earthenware and black-and-

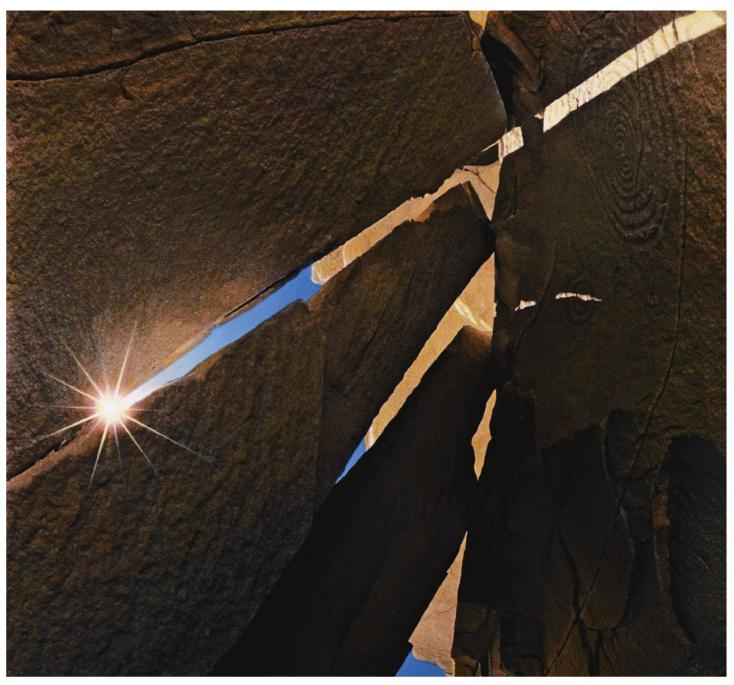
white pigment, diameter 1412" (36.9 cm). The St. Louis Art Museum, St. Louis, Missouri. Purchase: Funds given by the Children's Art Bazaar, St. Louis

Pueblo peoples of the Southwest. One type of vessel, a widemouthed **SEED JAR** with a globular body and holes near the rim (FIG. 12-24), would have been suspended from roof poles by thongs attached to the jar's holes, out of reach of voracious rodents. The example shown here is decorated with black-and-white dotted squares and zigzag patterns. The patterns conform to the body of the jar, and in spite of their angularity they enhance its curved shape.

CHACO CANYON. Chaco Canyon, a New Mexico canyon of about 30 square miles with nine great houses, or pueblos, was an important center of Ancestral Puebloan civilization. The largest known "great house" is PUEBLO BONITO (FIG. 12-25), which was built in stages between the tenth and mid thirteenth centuries. Eventually it comprised over 800 rooms in four or five stories, arranged in a D shape. Within the crescent part of the D, 32 kivas recall the round, semisubmerged pit houses of earlier Southwestern cultures. Here men performed religious rituals and instructed youths in their responsibilities. Interlocking pine logs formed a shallow, domelike roof with a hole in the center through which the men entered by climbing down a ladder. Inside the kiva, in the



12-25 • PUEBLO BONITO Chaco Canyon, New Mexico. 830-1250 cE.



**12-26 • SUN DAGGER SOLAR MARKER AT EQUINOX** Fajada Butte, Chaco Canyon, New Mexico. 850–1250 ce.

floor directly under the entrance and behind the fire pit, a small indentation—the "navel of the earth"—may have symbolized the place where the Ancestral Pueblo ancestors had emerged from the earth in the mythic "first times," based on analogies with later Pueblo beliefs. The top of the kivas formed the floor of the communal plaza.

Pueblo Bonito stood at the hub of a network of wide, straight roads that radiated out to some 70 other communities. Almost invisible today, the roads were discovered through aerial photography. They make no detour to avoid topographic obstacles; when they encounter cliffs, they become stairs. Their undeviating course

suggests that they were more than practical thoroughfares: They may have served as processional ways. Was Pueblo Bonito a gathering place for people in the entire region at specific times of year?

On the morning of the summer solstice a streak of light strikes a high cliff in Chaco Canyon. Slowly this "Sun Dagger" descends, and by noontime it pierces the heart of a large spiral engraved into the rock (FIG. 12–26; see also "Rock Art," page 400). The Ancestral Puebloans pecked out this spiral, along with a smaller one, on the face of the bluff. The shaft of light forming the dagger is created by openings between huge slabs of rock, which admit streaks of light that project on the wall. The light moves with



# THE OBJECT SPEAKS

## Rock Art

Rock art consists of pictographs, which are painted, and petroglyphs, which are pecked or engraved. While occurring in numerous distinctive styles, rock art images include humans, animals, and geometric figures, represented singly and in multi-figured compositions. Petroglyphs are often found in places where the dark brown bacterial growths and staining known as "desert varnish" streak down canyon walls (FIG. B). To create an image, the artist scrapes or pecks through the layer of varnish, exposing the lighter sandstone beneath.

In the Great Gallery of Horseshoe Canyon, Utah, the painted human figures have long, decorated rectangular bodies and knoblike heads (FIG. A). One large, wide-eyed figure (popularly known as the "Holy Ghost") is nearly 8 feet tall. Archaeologists have dated these paintings to as early as 1900 BCE and as recently as 300 CE; rock art is very difficult to date precisely.

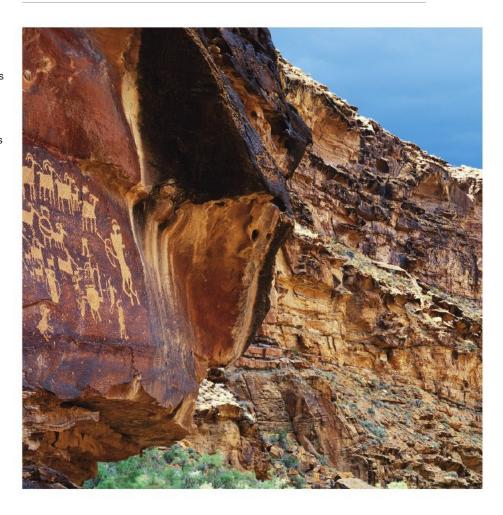
In Nine Mile Canyon in central Utah, a large human hunter draws his bow and arrow on a flock of bighorn sheep. Other hunters and a large, rectangular armless figure wearing a horned headdress—perhaps a shaman—mingle with the animals. The scene gives rise to the same questions and arguments we have noted with regard to the prehistoric art discussed in Chapter 1: Is this a record of a successful hunt or is it part of some ritual activity to ensure success? The petroglyphs are attributed to the Fremont people (800–1300 cE), who were agriculturists as well as hunters.



# A. ANTHROPOMORPHS, THE GREAT GALLERY, HORSESHOE (BARRIER) CANYON

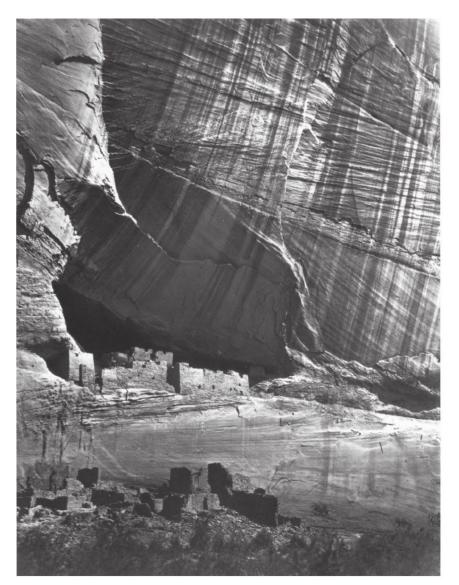
Utah. c. 1900 BCE-300 CE. Largest figure about 8' (2.44 m) tall.

The figures may represent shamans and are often associated with snakes, dogs, and other small energetic creatures. Big-eyed anthropomorphs may be rain gods. Painters used their fingers and yucca-fiber brushes to apply the reddish pigment made from hematite (iron oxide).



#### **B. HUNTER'S MURAL**

Nine Mile Canyon, Utah. Fremont people, 800–1300 ce.



**12–27** • Timothy O'Sullivan ANCIENT RUINS IN THE CANON DE CHELLEY Arizona, 1873. Albumen print. National Archives, Washington, D.C.

While ostensibly a documentary photograph, Timothy O'Sullivan's depiction of "The White House," built by 12th-century Ancestral Puebloans, is both a valuable document for the study of architecture and an evocative photograph, filled with the Romantic sense of sublime melancholy.

River valleys. They built their new apartmentlike dwellings on ledges under sheltering cliffs (FIG. 12–27). Difficult as it must have been to live high on canyon walls and farm the valley below, the cliff communities had the advantage of being relatively secure. The rock shelters in the cliffs also acted as insulation, protecting the dwellings from extremes of heat and cold. Like a modern apartment complex, the many rooms housed an entire community comfortably. Communal solidarity and responsibility became part of the heritage of the Pueblo peoples.

Throughout the Americas, for the next several hundred years, artistic traditions would continue to emerge, develop, and be transformed as the indigenous peoples of various regions interacted. The sudden incursions of Europeans, beginning in the late fifteenth century, would have a dramatic and lasting impact on these civilizations and their art.

the seasonal motion of the sun. Only at the summer solstice in June does the great dagger appear. At the winter solstice two streaks frame the spiral petroglyph, and at both spring and fall equinoxes a small spike of light hits the center of the small spiral, and a large shaft cuts through the large spiral but misses its center. The rock formation that, together with the moving sun, creates the daggers of light is natural, but the two spirals were deliberately placed. Nature and art combine, as they do in the work of a modern environmental artist. Among Ancestral Puebloans spirals were signs for journeys, as well as for wind and water, serpents and snails. The later Zuni call the spiral a "journey in search of the Center."The clocklike workings of the spiral petroglyphs, together with their location on a high point distant from living areas in the canyon, have led to the speculation that the Sun Dagger was once a shrine.

Though no one knows for certain why the people of Chaco Canyon abandoned the site, the population declined during a severe drought in the twelfth century, and building at Pueblo Bonito ceased around 1250. The Pueblo population of Chaco Canyon may have moved to the Rio Grande and Mogollon

## THINK ABOUT IT

- 12.1 Discuss the environmental challenges posed to the ancient peoples of the American Southwest and explain how they responded to them. Contrast this set of circumstances with that of another ancient people from Mesoamerica or South America, and explain how the respective circumstances impacted their art and culture.
- 12.2 Explain the original function of two ancient American objects from two different cultures. Discuss these objects within their larger sociocultural context.
- 12.3 Compare and contrast urban planning at Tikal and Teotihuacan. In your answer, make sure to give consideration to the issue of natural topography.
- 12.4 Explain how the Maya writing system functions, and discuss the impact this system had on the visual arts.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**13-1 • CROWNED HEAD OF A KING** Ife, Yoruba. 12th–15th century ce. Zinc brass, height  $9^7/6''$  (24 cm). Museum of Ife Antiquities, Ife, Nigeria.

# EARLY AFRICAN ART

The Yoruba people of southwestern Nigeria regard the city of Ife (also known as IIe-Ife) as the "navel of the world," the site of creation, the place where Ife's first ruler—the *oni* Oduduwa—came down from heaven to create earth and then to populate it. By the eleventh century CE, Ife was a lively metropolis. Today, every Yoruba city claims "descent" from Ife.

Ife was, and remains, the sacred city of the Yoruba people. A tradition of naturalistic sculpture began there about 1050 cE and flourished for some four centuries. Although the ancestral line of the Ife *oni* (king) has continued unbroken, knowledge of the precise purpose of these works has been lost.

A cast-bronze head **(Fig. 13–1)** shows the extraordinary artistry of ancient Ife. The modeling of the flesh is remarkably sensitive, especially the subtle transitions around the nose and mouth. The lips are full and delicate, and the eyes are strikingly similar in shape to those of some modern Yoruba. The face is covered with thin, parallel **scarification** patterns (decorations made by scarring). The head was cast of zinc brass using the lost-wax method.

The head was cast with a crown; its size and delicate features suggest it may represent a female *oni*. Although its precise use is not known, similar life-size heads have large holes in the neck, suggesting they may have been attached to

wooden figures. Mannequins with naturalistic facial features have been documented at memorial services for deceased individuals among contemporary Yoruba peoples. The Ife mannequin was probably dressed in the *oni's* robes; the head probably bore his crown. The head could also have been used to display a crown during annual purification and renewal rites.

There is debate as to whether the Ife heads are true portraits. Their realism gives an impression that they could be. The heads, however, all seem to represent individuals of the same age and embody a similar concept of physical perfection, suggesting they are idealized images representing both physical beauty and moral character. Idealized images of titled individuals are a common feature of sub-Saharan African sculpture, as they are among many cultures throughout the world.

The superb naturalism of Ife sculpture contradicted everything Europeans thought they knew about African art. The German scholar, Leo Frobenius, who "discovered" Ife sculpture in 1910 suggested that it was created not by Africans but by survivors from the legendary lost island of Atlantis. Later, there was speculation that influence from ancient Greece or Renaissance Europe must have reached Ife. Scientific study, however, finally put such prejudiced ideas to rest.

## LEARN ABOUT IT

- **13.1** Identify and summarize the key roles that the visual arts play in sub-Saharan Africa.
- 13.2 Explore how African arts mediate and support communication between the temporal and the supernatural worlds of various spirit forces.
- **13.3** Specify how African visual arts are only fully realized in their context of use.
- **13.4** Contrast the role of African arts related to leadership as compared to the role of leadership arts in Western cultural traditions.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

## THE LURE OF ANCIENT AFRICA

"I descended [the Nile] with three hundred asses laden with incense, ebony, grain, panthers, ivory, and every good product."Thus the Egyptian envoy Harkhuf described his return from Nubia, the African land to the south of Egypt, in 2300 BCE. The riches of Africa attracted merchants and envoys in ancient times, and trade brought the continent in contact with the rest of the world. Egyptian relations with the rest of the African continent continued through the Hellenistic era and beyond. Phoenicians and Greeks founded dozens of settlements along the Mediterranean coast of North Africa between 1000 and 300 BCE to extend trade routes across the Sahara to the peoples of Lake Chad and the bend of the Niger River (MAP 13-1). When the Romans took control of North Africa, they continued this lucrative trans-Saharan trade. In the seventh and eighth centuries CE, the expanding empire of Islam swept across North Africa, and thereafter Islamic merchants were regular visitors to Bilad al-Sudan (the Land of the Blackssub-Saharan Africa). Islamic scholars chronicled the great West African empires of Ghana, Mali, and Songhay, and West African gold financed the flowering of Islamic culture.

East Africa, meanwhile, had been drawn since at least the beginning of the Common Era into the maritime trade that ringed the Indian Ocean and extended east to Indonesia and the South China Sea. Arab, Indian, and Persian ships plied the coastline. A new language, Swahili, evolved from centuries of contact between Arabic-speaking merchants and Bantu-speaking Africans, and great port cities such as Kilwa, Mombasa, and Mogadishu arose.

In the fifteenth century, Europeans ventured by ship into the Atlantic Ocean and down the coast of Africa. Finally rediscovering the continent firsthand, they were often astonished by what they found (see "The Myth of 'Primitive' Art," page 406). "Dear King My Brother," wrote a fifteenth-century Portuguese king to his new trading partner, the king of Benin in west Africa. The Portuguese king's respect was well founded—Benin was vastly more powerful and wealthier than the small European country that had just stumbled upon it.

As we saw in Chapter 3, Africa was home to one of the world's earliest great civilizations, that of ancient Egypt, and as we saw in Chapter 8, Egypt and the rest of North Africa contributed prominently to the development of Islamic art and culture. This chapter examines the artistic legacy of the rest of ancient Africa.

# AFRICA—THE CRADLE OF ART AND CIVILIZATION

During the twentieth century, the sculpture of traditional African societies—wood carvings of astonishing formal inventiveness and power—found admirers the world over. While avidly collected, these works were much misunderstood. For the past 75 years, art historians and cultural anthropologists have studied African art firsthand, which has added to our overall understanding of art

making in many African cultures. However, except for a few isolated examples (such as in Nigeria and Mali), the historical depth of our understanding is still limited by the continuing lack of systematic archaeological research. Our understanding of traditions that are more than 100 years old is especially hampered by the fact that most African art was made from wood, which decays rapidly in sub-Saharan Africa. Consequently, few examples of African masks and sculpture remain from before the nineteenth century, and for the most part it is necessary to rely on contemporary traditions and oral histories to help extrapolate backward in time to determine what may have been the types, styles, and meaning of art made in the past. Nevertheless, the few ancient African artworks we have in such durable materials as terra cotta, stone, and bronze, and from an extensive record in rock art that has been preserved in sheltered places, bear eloquent witness to the skill of ancient African artists and the splendor of the civilizations in which they worked.

Twentieth-century archaeology has made it popular to speak of Africa as the cradle of human civilization. Certainly the earliest evidence for our human ancestors comes from southern Africa (see "Southern African Rock Art," page 408). Now evidence of the initial stirrings of artistic activity also comes from the southern tip of Africa. Recently, quantities of ocher pigment thought to have been used for ceremonial or decorative purposes, and perforated shells thought to have been fashioned into beads and worn as personal adornment, have been found in Blombos Cave on the Indian Ocean coast of South Africa, dating to approximately 77,000 years ago. Also discovered together with these were two small, ocher blocks that had been smoothed and then decorated with geometric arrays of carved lines (SEE FIG. 1.4 for an illustration of the decorated ocher). These incised abstract patterns predate any other findings of ancient art by more than 30,000 years, and they suggest a far earlier development of modern human behavior than had been previously recognized.

The earliest known figurative art works from the African continent are animal figures dating to about 25,000 BCE, painted in red and black pigment on flat stones found in a cave designated as Apollo 11, located in the desert mountains of Namibia. These figures are comparable to the better-known European cave drawings such as those from the Chauvet Cave (c. 32,000–30,000 BCE) and Lascaux Cave (c. 15,000–13,000 BCE) discussed in Chapter 1.

## AFRICAN ROCK ART

Like the Paleolithic inhabitants of Europe, early Africans painted and inscribed images on the walls of caves and rock shelters. Rock art is found throughout the African continent in places where the environment has been conducive to preservation—areas ranging from small, isolated shelters to great cavernous formations. Distinct geographic zones of rock art can be identified broadly encompassing the northern, central, southern, and eastern regions of the continent. These rock paintings and engravings range in



MAP 13-1 • ANCIENT AFRICA

Nearly 5,000 miles from north to south, Africa is the second-largest continent and was the home of some of the earliest and most advanced cultures of the ancient world.

form from highly abstract geometric designs to abstract and naturalistic representations of human and animal forms, including hunting scenes, scenes of domestic life, and costumed figures that appear to be dancing. The long record of rock art, extending over thousands of years in numerous places, charts dramatic environmental and social change in the deserts of Africa. Images depicting human subjects are also important evidence that the African artistic traditions of body decoration, mask-making and performance spring from ancient African roots.

## SAHARAN ROCK ART

The mountains of the central Sahara—principally the Tassili-n-Ajjer range in the south of present-day Algeria and the Acacus Mountains in present-day Libya—contain images that span a period of thousands of years. They record not only the artistic and

cultural development of the peoples who lived in the region, but also the transformation of the Sahara from a fertile grassland to the vast desert we know today.

The earliest images of Saharan rock art are thought to date from at least 8000 BCE, during the transition into a geological period known as the Makalian Wet Phase. At that time the Sahara was a grassy plain, perhaps much like the game-park reserves of modern east Africa. Vivid images of hippopotamus, elephant, giraffe, antelope, and other animals incised on rock surfaces attest to the abundant wildlife that roamed the region.

A variety of scenes found on rock walls in both southern Algeria and Libya depict men and women dancing or performing various ceremonial activities. The artists who created these works paid close attention to details of clothing, body decoration, and headdresses; in some examples the figures are depicted wearing



# ART AND ITS CONTEXTS

# The Myth of "Primitive" Art

The word "primitive" was once used by Western art historians to categorize the art of Africa, the art of the Pacific islands, and the indigenous art of the Americas. The term itself means "early" or "first of its kind," but its use was meant to imply that these cultures were crude, simple, backward, and stuck in an early stage of development.

This attitude was accepted by Christian missionaries and explorers, who often described the peoples among whom they worked as "heathen," "barbaric," "ignorant," "tribal," "primitive," and other terms rooted in racism and colonialism. Such usages were extended to these peoples' creations, and "primitive art" became the conventional label for their cultural products.

Criteria that have been used to label a people "primitive" include the use of so-called Stone Age technology, the absence of written histories, and the failure to build great cities. Based on these criteria, however, the accomplishments of the peoples of Africa, to take just one example, contradict such prejudiced condescension: Africans south of the Sahara have smelted and forged iron since at least 500 BCE. Africans in many areas made and used high-quality steel for weapons and tools. Many African peoples have recorded their histories in Arabic since at least the tenth century CE. The first European visitors to Africa admired the style and sophistication of urban centers such as

Benin and Luanda, to name only two of the continent's great cities. Clearly, neither the cultures of ancient Africa nor the artworks they produced were "primitive" at all.

Until quite recently, Westerners tended to see Africa as a single country and not as an immense continent of vastly diverse cultures. Moreover, they perceived artists working in Africa as craftworkers bound to styles and images dictated by village elders and producing art that was anonymous and interchangeable. Over the past several decades, however, these misconceptions have crumbled. Art historians and anthropologists have now identified numerous African cultures and artists and compiled catalogs of their work. For example, the wellknown Yoruba artist Olowe of Ise (see Chapter 28) was commissioned by rulers throughout the Yoruba region in the early twentieth century to create prestige objects such as palace veranda posts and palace doors or tour-de-force carvings such as magnificent lidded bowls supported by kneeling figures. Certainly we will never know the names of the vast majority of African artists of the past, just as we do not know the names of the sculptors responsible for the portrait busts of ancient Rome or the monumental reliefs of the Hindu temples of South Asia. But, as elsewhere, the greatest artists in Africa were famous and sought after, while innumerable others labored honorably and not at all anonymously.

masks that cover their faces. It is suggested that they are engaged in rituals intended to ensure adequate rainfall or success in hunting, or to honor their dead. These images, produced in a variety of styles, document the development of the complex ceremonial and ritual lives of the people who created them (FIG. 13–2).

By 4000 BCE the climate had become more arid, and hunting had given way to herding as the primary life-sustaining activity of the Sahara's inhabitants. Among the most beautiful and complex examples of Saharan rock art created in this period are scenes of sheep, goats, and cattle and of the daily lives of the people who tended them. Some scenes found at Tassili-n-Ajjer date from late in the herding period, about 5000–2000 BCE, and illustrate men and women gathered in front of round, thatched houses. As the men tend cattle, the women prepare a meal and care for children. Some scenes attempt to create a sense of depth and distance with overlapping forms, and the placement of near figures lower and distant figures higher in the picture plane.

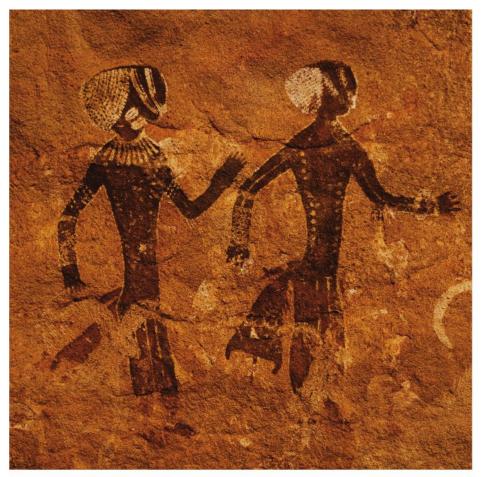
By 2500–2000 BCE the Sahara was drying and the great game had disappeared, but other animals were introduced that appear in the rock art. The horse was brought from Egypt by about 1500 BCE and is seen regularly in rock art over the ensuing millennia. The fifth-century BCE Greek historian Herodotus described a chariot-driving people called the Garamante, whose kingdom corresponds roughly to present-day Libya. Rock-art images of horse-drawn

chariots bear out his account. Around 600 BCE the camel was introduced into the region from the east, and images of camels were painted on and incised into the rock.

The drying of the Sahara coincided with the rise of Egyptian civilization along the Nile Valley to the east. Similarities can be noted between Egyptian and Saharan motifs, among them images of rams with what appear to be disks between their horns. These similarities have been interpreted as evidence of Egyptian influence on the less-developed regions of the Sahara. Yet in light of the great age of Saharan rock art, it seems just as plausible that the influence flowed the other way, carried by people who had migrated into the Nile Valley when the grasslands of the Sahara disappeared.

## SUB-SAHARAN CIVILIZATIONS

Saharan peoples presumably migrated southward as well, into the Sudan, the broad belt of grassland that stretches across Africa south of the Sahara Desert. They brought with them knowledge of settled agriculture and animal husbandry. The earliest evidence of settled agriculture in the Sudan dates from about 3000 BCE. Toward the middle of the first millennium BCE, at the same time that iron technology was being developed elsewhere in Africa, knowledge of ironworking spread across the Sudan as well,



13-2 • DANCERS IN CEREMONIAL ATTIRE
Section of rock-wall painting, Tassili-n-Ajjer, Algeria. c. 5000–2000 BCE.

enabling its inhabitants to create more effective weapons and farming tools. In the wake of these developments, larger and more complex societies emerged, especially in the fertile basins of Lake Chad in the central Sudan and the Niger and Senegal rivers to the west.

#### NOK

Some of the earliest evidence of iron technology in sub-Saharan Africa comes from the so-called Nok culture, which arose in the western Sudan, in present-day Nigeria, as early as 500 BCE. The Nok people were farmers who grew grain and oil-bearing seeds, but they were also smelters with the technology for refining ore. Slag and the remains of furnaces have been discovered, along with clay nozzles from the bellows used to fan the fires. The Nok people created the earliest known sculpture of sub-Saharan Africa, producing accomplished terra-cotta figures of human and animal subjects between about 500 BCE and 200 CE.

#### 13-3 • HEAD

From Nok. c. 500 BCE-200 CE. Terra cotta, height 143% (36 cm). National Museum, Lagos, Nigeria.

Nok sculpture was discovered in modern times by tin miners digging in alluvial deposits on the Jos plateau north of the confluence of the Niger and Benue rivers. Presumably, floods from centuries past had removed the sculptures from their original contexts, dragged and rolled them along, and then deposited them, scratched and broken, often leaving only the heads from what must have been complete human figures. Following archaeological convention, the name of a nearby village, Nok, was given to the culture that created these works. Nokstyle works of sculpture have since been found in numerous sites over a wide area.

The Nok head shown (FIG. 13-3), slightly larger than life-size, probably formed part of a complete figure. The triangular or D-shaped eyes are characteristic of Nok style and appear also on sculptures of animals. Holes in the pupils, nostrils, and mouth allowed air to pass freely as the figure was fired. Each of the large buns of its elaborate hairstyle is pierced with a hole that may have held ornamental feathers. Other Nok figures were created displaying beaded necklaces,





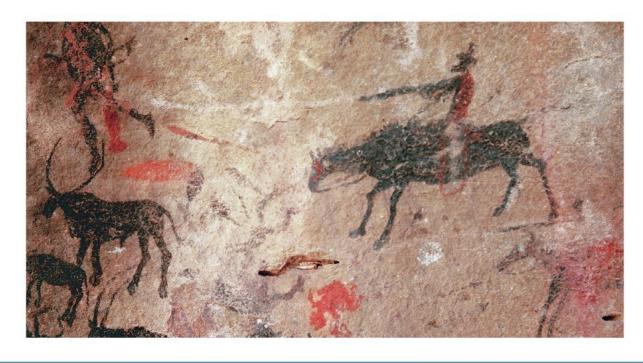
# ART AND ITS CONTEXTS

# Southern African Rock Art

Rock painting and engraving from sites in southern Africa differ in terms of style and age from those discussed for the Sahara region. Some works of art predate those found in the Sahara, while others continued to be produced into the modern era. Early works include an engraved fragment found in dateable debris in Wonderwerk Cave, South Africa, which dates back to 10,000 years ago. Painted stone flakes found at a site in Zimbabwe suggest dates between 13,000 and 8000 BCE.

Numerous examples of rock painting are also found in South Africa in the region of the Drakensberg Mountains. Almost 600 sites have been located in rock shelters and caves, with approximately 35,000 individual images catalogued. It is believed the paintings were

produced, beginning approximately 2,400 years ago, by the predecessors of San peoples who still reside in the region. Ethnographic research among the San and related peoples in southern Africa suggest possible interpretations for some of the paintings. For example, rock paintings depicting groups of dancing figures may relate to certain forms of San rituals that are still performed today to heal individuals or to cleanse communities. These may have been created by San ritual specialists or shamans to record their curing dances or trance experiences of the spirit world. San rock artists continued to create rock paintings into the late nineteenth century. These latter works depict the arrival of Afrikaner pioneers in the region as well as British soldiers brandishing guns used to hunt eland.



SECTION
OF SAN
ROCK-WALL
PAINTING
San peoples, n.d.
Drakensberg
Mountains, South
Africa. Pigment
and eland blood
on rock.

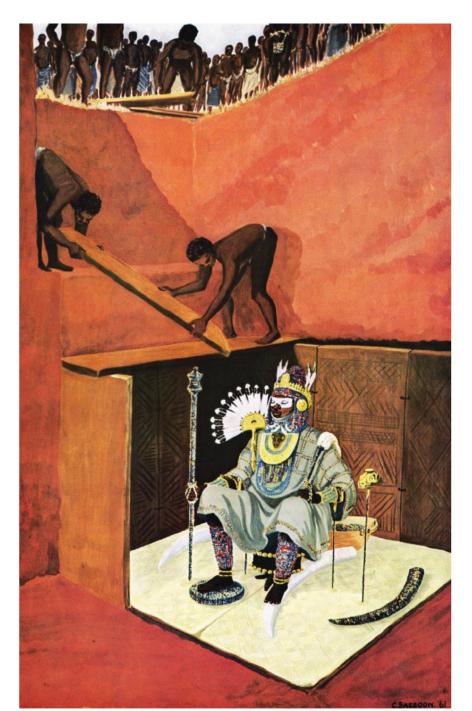
armlets, bracelets, anklets, and other prestige ornaments. Nok sculpture may represent ordinary people dressed for special occasions or it may portray people of high status, thus reflecting social stratification in this early farming culture. In either case, the sculpture provides evidence of considerable technical accomplishment, which has led to speculation that Nok culture was built on the achievements of an earlier culture still to be discovered.

## IGBO-UKWU

A number of significant sites were excavated in Nigeria in the mid twentieth century that increase our understanding of the development of art and culture in west Africa. This includes the archaeological site of Igbo-Ukwu in eastern Nigeria where Igbo

peoples reside, numerically one of Nigeria's largest populations. The earliest-known evidence for copper alloy or bronze casting in sub-Saharan Africa is found at Igbo-Ukwu. This evidence dates to the ninth and tenth centuries CE. Igbo-Ukwu is also the earliest-known site containing an elite burial and shrine complex yet found in sub-Saharan Africa. Three distinct archaeological sites have been excavated at Igbo-Ukwu—one containing a burial chamber, another resembling a shrine or storehouse containing ceremonial objects, and the third an ancient pit containing ceremonial and prestige objects.

The **BURIAL CHAMBER (FIG. 13-4)** contained an individual dressed in elaborate regalia, placed in a seated position, and surrounded by emblems of his power and authority. These



13-4 • BURIAL CHAMBER

Igbo-Ukwu, showing the placement of the ruler and artifacts in the chamber in the 10th century. Reconstruction painting by Caroline Sassoon.

ornaments. Igbo-Ukwu's unique style consists of the representation in bronze of natural objects such as gourd bowls and snail shells whose entire outer surface is covered with elaborate raised and banded decorations. These decorations include linear, spiral, circular, and granular designs, sometimes with the addition of small animals or insects such as snakes, frogs, crickets, or flies applied to the decorated surface. Some castings are further enlivened with the addition of brightly colored beads.

A cast fly-whisk handle is topped with the representation of an equestrian figure whose face, like that of a pendant head also found during excavation, is represented scarified in a style similar to the patterning found on some of the terra-cotta and cast heads of rulers at Ife. These markings are similar to markings called *ichi*, which are still used by Igbo men as a symbol of high achievement.

A roped pot is among the most technically sophisticated castings found at Igbo-Ukwu (see "A Closer Look," page 411). It has been suggested that the vessel resembles a form of water-pot drum still used in this region of Nigeria. The vessel is filled with water and a flat mallet is struck across the surface of the water at the rim to create a percussive sound.

#### IFE

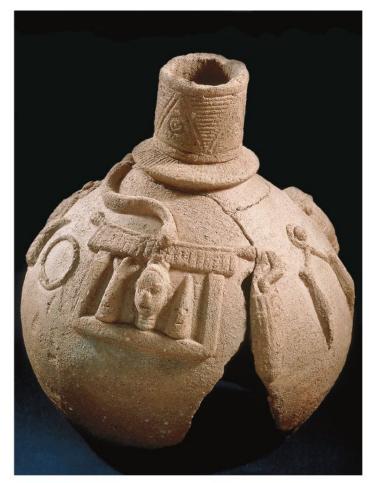
The naturalistic works of sculpture created by the artists of the city of Ife are among the most remarkable in art history. Ancient Ife, which arose in the southwestern forested part of Nigeria about 800 CE, was essentially circular in plan, with

the *oni*'s palace at the center. Ringed by protective stone walls and moats, it was connected to other Yoruba cities by roads that radiated from the center, passing through the city walls at fortified gateways decorated with mosaics created from stones and pottery shards. From these elaborately patterned pavement mosaics, which covered much of Ife's open spaces, comes the name for Ife's most artistically cohesive historical period (c. 1000–1400), the Pavement period.

Just as the *oni's* palace was located in a large courtyard in the center of Ife, so too were ritual spaces elsewhere in Ife located in paved courtyards with altars. In the center of such a sacred courtyard, outlined by rings of pavement mosaic, archaeologists

included three ivory tusks, thousands of imported beads that originally formed part of an elaborate necklace, other adornments, and a cast-bronze representation of a leopard skull. Elephants and leopards are still symbols of temporal and spiritual leadership in Africa today. Ethnographic research among the Nri, an Igborelated people currently residing in the region, suggests that the burial site is that of an important Nri king or ritual leader (eze).

The second excavation uncovered a shrine or storehouse complex containing ceremonial and prestige objects. These copper alloy castings were made by the lost-wax technique (see "Lost-Wax Casting," page 413) in the form of elaborately decorated small bowls, fly-whisk handles, altar stands, staff finials (decorative tops), and



**13-5 • RITUAL VESSEL**From Ife, Yoruba. 13th–14th century ce. Terra cotta, height 9<sup>13</sup>/<sub>6</sub>" (24.9 cm). University Art Museum, Obafemi, Awolowo University, Ife, Nigeria.

excavated an exceptional terra-cotta vessel (FIG. 13–5). The jar's bottom had been ritually broken before it was buried, so that liquid offerings (libations) poured into the neck opening would flow into the earth. The objects depicted in relief on the surface of the vessel include what looks like an altar platform with three heads under it, the outer two quite abstract and the middle one almost naturalistic in the tradition of free-standing Yoruba portrait heads. The abstraction of the two outside heads may have been a way of honoring or blessing the central portrait, a practice that survives among Yoruba royalty today.

#### BENIN

Ife was probably the artistic parent of the great city-state of Benin, which arose some 150 miles to the southeast. According to oral histories, the earliest kings of Benin belonged to the Ogiso, or Skyking, dynasty. After a long period of misrule, however, the people of Benin asked the *oni* of Ife for a new ruler. The *oni* sent Prince Oranmiyan, who founded a new dynasty in 1170. Some two centuries later, the fourth king, or *oba*, of Benin decided to start a tradition of memorial sculpture like that of Ife, and he sent

to Ife for a master metalcaster named Iguegha. The tradition of casting memorial heads for the shrines of royal ancestors endures among the successors of Oranmiyan to this day (FIG. 13–6).

Benin came into contact with Portugal in the late fifteenth century. The two kingdoms established cordial relations in 1485 and carried on an active trade, at first in ivory and forest products, but eventually in slaves. Benin flourished until 1897, when, in reprisal for the massacre of a party of trade negotiators, British troops sacked and burned the royal palace, sending the *oba* into an exile from which he did not return until 1914 (see Chapter 28, pages 880–881). The palace was later rebuilt, and the present-day *oba* continues the dynasty started by Oranmiyan.

The British invaders discovered shrines to deceased *obas* covered with brass heads, bells, and figures. They also found



13-6 • MEMORIAL HEAD OF AN OBA

From Benin. Early Period, c. 16th century cE. Brass, height 9" (23 cm). The Nelson-Atkins Museum of Art, Kansas City, Missouri. Purchase: Nelson Trust through the generosity of Donald J. and Adele C. Hall, Mr. and Mrs. Herman Robert Sutherland, an anonymous donor, and the exchange of Nelson Gallery Foundation properties (87-7)

This belongs to a small group of rare Early Period sculptures called "rolled-collar" heads that are distinguished by the rolled collar that serves as a firm base for the exquisitely rendered head.



# Roped Pot on a Stand >

From Igbo-Ukwu. 9th–10th century cE. Leaded bronze, height  $12^{11}/_6$ " (32.3 cm). National Museum, Lagos.

Like a number of other objects excavated at Igbo-Ukwu, this vessel is a skeuomorph—an object created in a different material from the original but made to resemble the original form.

The flaring neck of the vessel just below the rim and the lower half of the pot stand were cast separately. Molten metal was then applied to the edges of the separate castings to join them together.

The knotted rope cage appears to be made from one continuous piece of "rope." Even the individual strands of the "rope" are replicated in leaded bronze.

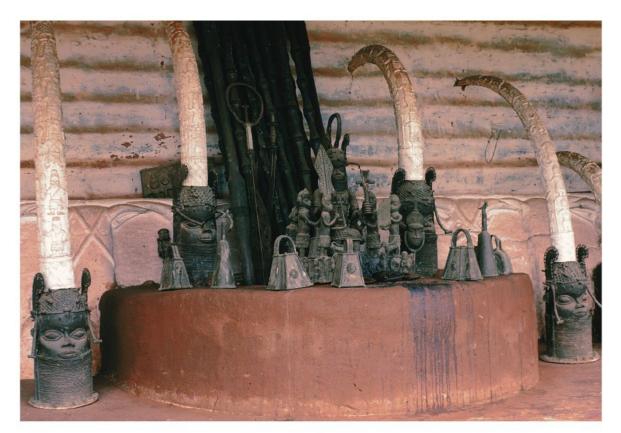
Pot stands are used to support containers placed on sacred altars so that the water contained in the vessels should never touch the ground before its use in ritual ceremony.

The rope cage surrounding the pot and stand was cast separately and then positioned around the pot and upper part of the stand. The lower part of the knotted rope was then bent inward to grip the pot stand.

wooden rattles and enormous ivory tusks carved with images of kings, court attendants, and sixteenth-century Portuguese soldiers. The British appropriated the treasure as war booty, making no effort to note which head came from which shrine, thus destroying evidence that would have helped establish the relative age of the heads and determine a chronology for the evolution of Benin style. Nevertheless, it has been possible to piece together a chronology from other evidence.

The Benin heads, together with other objects, were originally placed on a semicircular platform or **ALTAR** and surmounted by large elephant tusks, another symbol of power (FIG. 13–7). Benin brass heads range from small, thinly cast, and naturalistic to large,

thickly cast, and highly stylized. Many scholars have concluded that the smallest, most naturalistic heads with only a few strands of beads around the neck were created during a so-called Early Period (1400–1550), when Benin artists were still heavily influenced by Ife. Heads grew heavier and increasingly stylized, and the strands of beads increased in number until they concealed the chin during the Middle Period (1550–1700). Heads from the ensuing Late Period (1700–1897) are very large and heavy, with angular, stylized features and an elaborate beaded crown. During the Late Period, the necklaces form a tall, cylindrical mass. In addition, broad, horizontal flanges, or projecting edges, bearing small images cast in low relief ring the base of the Late Period



13-7 • ALTAR
Edo Culture, Nigeria.
c. 1959. The National
Museum of African
Art, Smithsonian
Institution, Washington,
D.C. Eliot Elisofon
Photographic Archives
(7584)

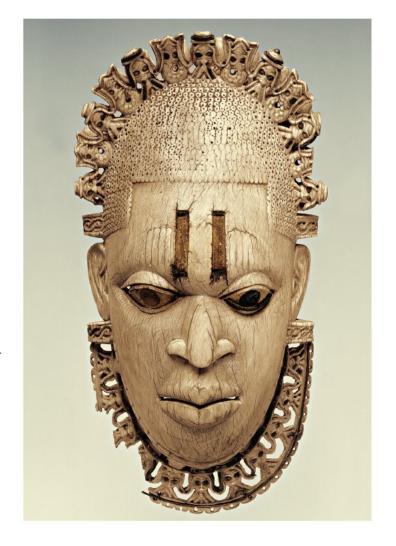
heads. The increase in size and weight of Benin memorial heads over time may reflect the growing power and wealth flowing to the *oba* from Benin's expanding trade with Europe.

At Benin, as in many other African cultures, the head is the symbolic center of a person's intelligence, wisdom, and ability to succeed in this world or to communicate with spiritual forces in the ancestral world. One of the honorifics used for the king is "Great Head": The head leads the body as the king leads the people. All of the memorial heads include representations of coral-beaded caps and necklaces and royal costume. Coral, enclosing the head and displayed on the body, is still the ultimate symbol of the *oba*'s power and authority.

The art of Benin is a royal art, for only the *oba* could commission works in brass (see "A Warrior Chief Pledging Loyalty," pages 414–415). Artisans who served the court were organized into guilds and lived in a separate quarter of the city. *Obas* also commissioned important works in ivory. One example is a beautiful ornamental mask (FIG. 13–8). It represents an *iyoba* (queen mother—the *oba*'s mother), the senior female member of

# 13-8 • HIP MASK REPRESENTING AN IYOBA ("QUEEN MOTHER")

From Benin. Middle Period, c. 1550 cE. Ivory, iron, and copper, height  $9^3 \ell''$  (23.4 cm). Metropolitan Museum of Art, New York. The Michael C. Rockefeller Memorial Collection, Gift of Nelson A. Rockefeller, 1972 (1978.412.323)



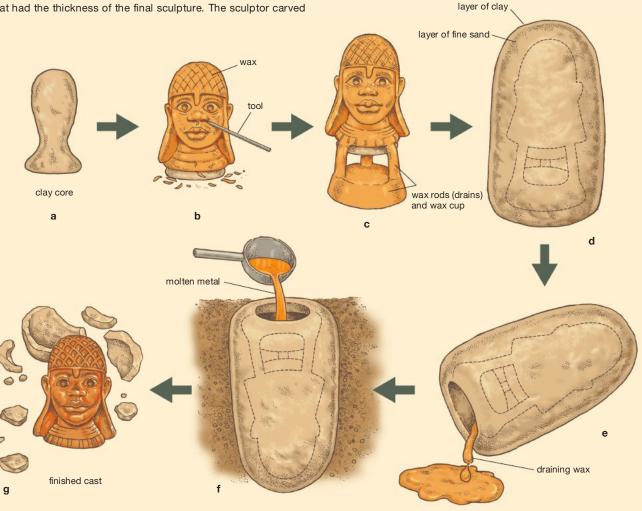
# **TECHNIQUE** | Lost-Wax Casting

In the **lost-wax casting** process a metal copy is produced from an original image made of wax. The usual metals for this casting process are bronze, an alloy of copper and tin, and brass, an alloy of copper and zinc. First, the sculptor models a wax original. Then the wax is invested in a heat-resistant mold. Next, the wax is melted, leaving an empty cavity into which molten metal is poured. After the metal cools and solidifies, the mold is broken away and the metal copy is chased and polished.

The progression of drawings here shows the steps used by the Benin sculptors of Africa. A heat-resistant "core" of clay

(a) approximating the shape of the sculpture-to-be (and eventually becoming the hollow inside the sculpture) was covered by a layer of wax that had the thickness of the final sculpture. The sculptor carved

or modeled (b) the details in the wax. Rods and a pouring cup made of wax were attached (c) to the model. A thin layer of fine, damp sand was pressed very firmly into the surface of the wax model, and then model, rods, and cup were encased (d) in thick layers of clay. When the clay was completely dry, the mold was heated (e) to melt out the wax. The mold was then placed upside down in the ground to receive (f) the molten metal, heated to the point of liquefication. When the metal was completely cool, the outside clay cast and the inside core were broken up and removed (g), leaving the cast-brass sculpture. Details were polished to finish the piece, which could not be duplicated because the mold had been destroyed.



SEE MORE: View a video about the process of lost-wax casting www.myartslab.com

the royal court. The mask was carved as a belt ornament and was worn at the *oba*'s hip. Its pupils were originally inlaid with iron, as were the scarification patterns on the forehead. This particular belt ornament may represent Idia, who was the mother of Esigie, a powerful *oba* who ruled from 1504 to 1550. Idia is particularly remembered for raising an army and using magical powers to help her son defeat his enemies. Like Idia, the Portuguese helped Esigie

expand his kingdom. The necklace represents heads of Portuguese soldiers with beards and flowing hair. In the crown, more Portuguese heads alternate with figures of mudfish, which symbolize Olokun, the Lord of the Great Waters. Mudfish live near riverbanks, mediating between water and land, just as the *oba*, who is viewed as semidivine, mediates between the human world and the supernatural world of Olokun.



# THE OBJECT SPEAKS

# A Warrior Chief Pledging Loyalty

Produced during the sixteenth and seventeenth centuries, approximately 900 brass plaques, each averaging about 16 to 18 inches in height, once decorated the walls and pillars of the royal palace of the kingdom of Benin. Like the brass memorial heads and figure sculpture, the plaques were made following the lost-wax casting process. They illustrate a variety of subjects including ceremonial scenes at court, showing the *oba*, other court functionaries, and (at times) Portuguese soldiers. Modeled

in relief, the plaques depict one or more figures, with precise details of costume and regalia. Some figures are modeled in such high relief that they appear almost freestanding as they emerge from a textured surface background that often includes foliate patterning representing the leaves employed in certain healing rituals.

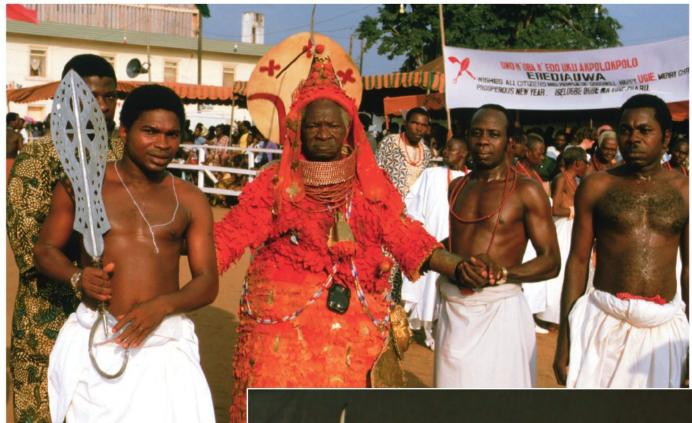
This plaque features a warrior chief in ceremonial attire. His rank is indicated by a necklace of leopard's teeth, and coraldecorated cap and collar. He also wears an elaborately decorated skirt with a leopard mask on his hip. The chief is depicted holding a spear in one hand and an *eben* sword held above his head in the other hand. The *eben* sword, with its distinctive leaf-shaped blade made of iron with openwork surface decoration is a major symbol of high rank in Benin even today.

The plaque is organized in a hierarchal order with the warrior chief larger in size and in the center of the composition. The chief is



PLAQUE: WARRIOR CHIEF FLANKED BY WARRIORS AND ATTENDANTS

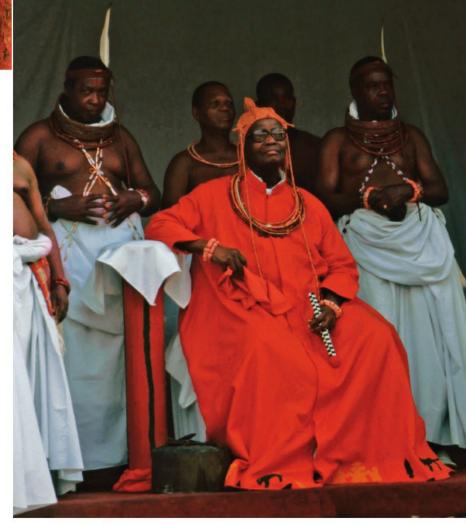
From Benin, Nigeria. Middle Period, c. 1550–1650 ce. Brass, height  $14^34\times15^12$ " (37.5  $\times$  39.4 cm). The Nelson-Atkins Museum of Art, Kansas City, Missouri. (58-3)



Senior town chief supported by two attendants, one of them carries his *eben* sword.

flanked by two warriors holding shields and spears, and two smaller figures representing court attendants. One attendant is depicted playing a side-blown horn that announces the warrior chief's presence, while the other attendant carries a ceremonial box for conveying gifts to the oba. The scene is a ceremony of obeisance to the oba. The warrior chief's gesture of raising the eben sword is still performed at annual ceremonies in which chiefs declare their allegiance and loyalty to the oba by raising the sword and spinning it in the air. The kinetic movement of the sword spinning as it is held aloft certainly adds a degree of conviction and authority to the ceremony.

Oba Erediauwa wearing coral-beaded regalia and seated on a dais.



# OTHER URBAN CENTERS

Ife and Benin were but two of the many cities that arose in ancient Africa. The first European visitors to the west African coast at the end of the fifteenth century were impressed not only by Benin, but also by the city of Mbanza Kongo, south of the mouth of the Congo River. Along the east African coastline, Europeans also happened upon cosmopolitan cities that had been busily carrying on long-distance trade across the Indian Ocean and as far away as China and Indonesia for hundreds of years.

Important centers also existed in the interior, especially across the central and western Sudan. There, cities and the states that developed around them grew wealthy from the trans-Saharan trade that had linked west Africa to the Mediterranean from at least the first millennium BCE. Indeed, the routes across the desert were probably as old as the desert itself. Among the most significant goods exchanged in this trade were salt from the north and gold from west Africa. Such fabled cities as Mopti, Timbuktu, and Jenné arose in the vast area of grasslands along the Niger River in the region known as the Niger Bend (present-day Mali), a trading crossroads as early as the first century BCE. They were great centers of commerce, where merchants from all over west Africa met



13-9 • HORSEMAN

From Old Jenné, Mali. 13th–15th century CE. Terra cotta, height 27<sup>3</sup>/<sub>4</sub>" (70.5 cm). National Museum of African Art, Smithsonian Institution, Washington, D.C. Museum Purchase (86-12-2)

caravans arriving from the Mediterranean. Eventually the trading networks extended across Africa from the Sudan in the east to the Atlantic coast in the west. In the twelfth century CE a Mandespeaking people formed the kingdom of Mali (Manden). The rulers adopted Islam, and by the fourteenth century they controlled the oases on which the traders' caravans depended. Mali prospered, and wealthy cities like Timbuktu and Jenné became famed as centers of Islamic learning.

At a site near Jenné known as Jenné-Jeno or Old Jenné, excavations (by both archaeologists and looters) have uncovered hundreds of terra-cotta figures dating from the thirteenth to the sixteenth centuries. The figures were polished, covered with a red clay slip, and fired at a low temperature. A HORSEMAN, armed with quiver, arrows, and a dagger, is a good example of the technique (FIG. 13-9). Man and horse are formed of rolls of clay on which details of the face, clothing, and harness are carved, engraved, and painted. The rider has a long oval head and jutting chin, pointed oval eyes set in multiple framing lids, and a long straight nose. He wears short pants and a helmet with a chin strap, and his horse has an ornate bridle. Such elaborate trappings suggest that the horseman could be a guardian figure, hero, or even a deified ancestor. Similar figures have been found in sanctuaries. But, as urban life declined, so did the arts. The long tradition of ceramic sculpture came to an end in the fifteenth and sixteenth centuries, when rivals began to raid the Manden cities.

#### **JENNÉ**

In 1655, the Islamic writer al-Sadi wrote this description of Jenné:

This city is large, flourishing, and prosperous; it is rich, blessed, and favoured by the Almighty.... Jenne [Jenné] is one of the great markets of the Muslim world. There one meets the salt merchants from the mines of Teghaza and merchants carrying gold from the mines of Bitou.... Because of this blessed city, caravans flock to Timbuktu from all points of the horizon.... The area around Jenne is fertile and well populated; with numerous markets held there on all the days of the week. It is certain that it contains 7,077 villages very near to one another.

(Translated by Graham Connah in Connah, page 97)

By the time al-Sadi wrote his account, Jenné already had a long history. Archaeologists have determined that the city was established by the third century CE, and that by the middle of the ninth century it had become a major urban center. Also by the ninth century, Islam was becoming an economic and religious force in west and north Africa, and the northern terminals of the trans-Saharan trade routes had already been incorporated into the Islamic empire.

When Koi Konboro, the 26th king of Jenné, converted to Islam in the thirteenth century, he transformed his palace into the first of three successive mosques in the city. Like the two that followed, the first mosque was built of adobe brick, a sun-dried

mixture of clay and straw With its great surrounding wall and tall towers, it was said to have been more beautiful and more lavishly decorated than the Kaaba, the central shrine of Islam, at Mecca. The mosque eventually attracted the attention of austere Muslim rulers who objected to its sumptuous furnishings. Among these was the early nineteenth-century ruler Sekou Amadou, who had it razed and a far more humble structure erected on a new site. This second mosque was in turn replaced by the current grand mosque, constructed between 1906 and 1907 on the ancient site in the style of the original. The reconstruction was supervised by the architect Ismaila Traoré, the head of the Jenné guild of masons.

The mosque's eastern, or "marketplace," façade boasts three tall towers, the center of which contains the *mihrab* (FIG. 13–10). The finials, or crowning ornaments, at the top of each tower bear ostrich eggs, symbols of fertility and purity. The façade and sides of the mosque are distinguished by tall, narrow, engaged columns, which act as buttresses. These columns are characteristic of west African mosque architecture, and their cumulative rhythmic effect is one of great verticality and grandeur. The most unusual features of west African mosques are the **torons**, wooden beams projecting from the walls. Torons provide permanent supports for the

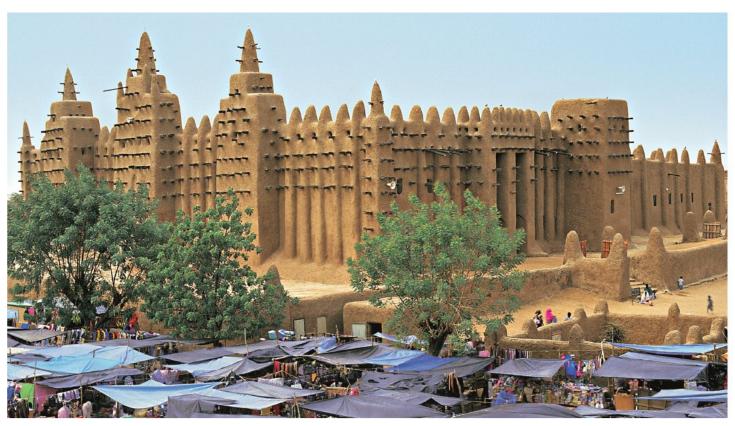
scaffolding erected each year so that the exterior of the mosque can be replastered.

Traditional houses resemble the mosque on a small scale. Adobe walls, reinforced by buttresses, rise above the roofline in conical turrets, emphasizing the entrance. Rooms open inward onto a courtyard. Extended upper walls mask a flat roof terrace that gives more private space for work and living.

#### **GREAT ZIMBABWE**

Thousands of miles from Jenné, in southeastern Africa, an extensive trade network developed along the Zambezi, Limpopo, and Sabi rivers. Its purpose was to funnel gold, ivory, and exotic skins to the coastal trading towns that had been built by Arabs and Swahili-speaking Africans. There, the gold and ivory were exchanged for prestige goods, including porcelain, beads, and other manufactured items. Between 1000 and 1500 CE, this trade was largely controlled from a site that was called Great Zimbabwe, home of the Shona people.

The word *zimbabwe* derives from the Shona term *dzimba dza mabwe* ("venerated houses" or "houses of stone"). The stone buildings at Great Zimbabwe were constructed by the ancestors of



13-10 • GREAT FRIDAY MOSQUE

Jenné, Mali, showing the eastern and northern façades. Rebuilding of 1907, in the style of 13th-century original.

The plan of the mosque is not quite rectangular. Inside, nine rows of heavy adobe columns, 33 feet (10 meters) tall and linked by pointed arches, support a flat ceiling of palm logs. An open courtyard on the west side (not seen here) is enclosed by a great double wall only slightly lower than the walls of the mosque itself. The main entrances to the prayer hall are in the north wall (to the right in the photograph).

SEE MORE: View a simulation explaining adobe-brick construction www.myartslab.com

the present-day people of this region. The earliest construction at the site took advantage of the enormous boulders abundant in the vicinity. Masons incorporated the boulders and used the uniform granite blocks that split naturally from them to build a series of tall enclosing walls high on a hilltop. Each enclosure defined a family's living space and housed dwellings made of adobe with conical, thatched roofs.

The largest building complex at Great Zimbabwe is located in a broad valley below the hilltop enclosures. Known as Imba Huru (the Great Enclosure), the complex is ringed by a masonry wall more than 800 feet long, up to 32 feet tall, and 17 feet thick at the base. Inside the great outer wall are numerous smaller stone enclosures and adobe platforms (FIG. 13–11). The buildings at Great Zimbabwe were built without mortar; for stability the walls are **battered**, or built so that they slope inward toward the top. Although some of the enclosures at Great Zimbabwe were built on

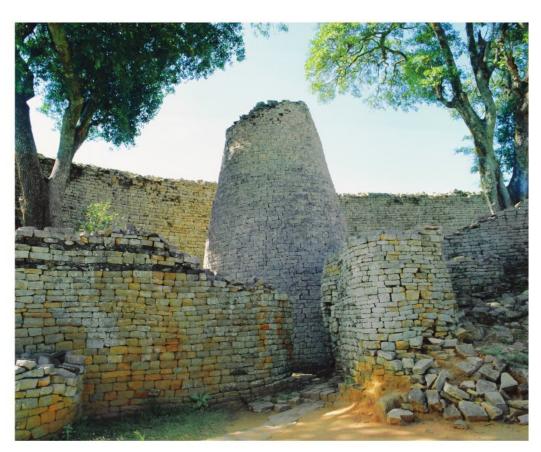


13-11 • DRAWING OF GREAT ZIMBABWE

hilltops, there is no evidence that they were constructed as fortresses. There are neither openings for weapons to be thrust through nor battlements for warriors to stand on. Instead, the walls and structures seem intended to reflect the wealth and power of the city's rulers. The Imba Huru was probably a royal residence, or palace complex, and other structures housed members of the ruler's family and court. The complex formed the nucleus of a city that radiated for almost a mile in all directions. Over the centuries, the builders grew more skillful, and the later additions are distinguished by dressed stones, or smoothly finished stones, laid in fine, even, level courses. One of these later additions is a structure known simply as the **CONICAL TOWER** (FIG. 13–12). Some 18 feet in diameter and 30 feet tall, the tower was originally capped with three courses of ornamental stonework. Constructed between the two walls and resembling a granary, it may have represented the good harvest and prosperity believed to result from allegiance to

the ruler of Great Zimbabwe.

It is estimated that at the height of its power, in the fourteenth century, Great Zimbabwe and its surrounding city housed a population of more than 10,000 people. A large cache of goods containing items of such far-flung origin as Portuguese medallions, Persian pottery, and Chinese porcelain testify to the extent of its trade. Yet beginning in the mid fifteenth century Great Zimbabwe was gradually abandoned as control of the lucrative southeast African trade network passed to the Mwene Mutapa and Kami empires a short distance away.



**13-12 • CONICAL TOWER** Great Zimbabwe. c. 1200–1400 ce. Height of tower 30′ (9.1 m).

#### AKSUM AND LALIBELA

In the second century BCE Aksumite civilization increased in importance in the Ethiopian highlands through the control of trade routes from the African interior to the Red Sea port of Adulis. Its exports included ivory, gold, slaves, frankincense, myrrh, and salt. In the mid fourth century CE the Aksumite king Ezana converted to Christianity, and soon gold and silver coinage minted at Aksum bore the Christian cross.

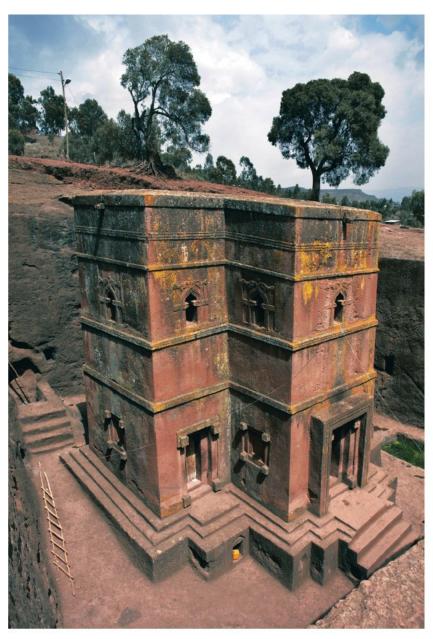
The archaeological remains at Aksum and Gondar speak of the splendor of the ancient kingdom. By the third century CE a series of stone palaces were built at Aksum. The elites also erected a number of monolithic granite stelae which date from the third and fourth centuries, the largest over 95 feet in height. Their outer surfaces were decorated with such carved architectural details as false doors, inset windows, and timber beams. The stelae served as commemorative markers among the tombs and burial sites of the elite.

The power and influence of the Aksumite state was diminished by the displacement of the Red Sea trade routes after the Persian conquest of south Arabia, and Aksum was conquered by the Zagwe from Ethiopia's western highlands. After its demise and abandonment, a new capital arose, the influence and prestige of which lasted until near the end of the thirteenth century.

The Zagwe king Lalibela, wishing to create a "new" Jerusalem (the holy city revered by Christians, Jews, and Muslims) in Ethiopia, founded a holy site named after himself in the highlands south of Aksum. The cultural embrace of Christianity by the populace during the thirteenth century is evidenced by the numerous rock-hewn sanctuaries that were created in Lalibela at this time. Rather than being built from the ground up, the churches and other structures were

hewn from the living rock. A wide trench was first cut around the four sides of a block of volcanic tuff that would become the church. Stonemasons then carved out the exterior and interior of the sanctuaries with hammers and chisels. Each aspect of the structure had to be planned with precision before work could begin. The interior of the church was created with a hemispherical domed ceiling in the style of Byzantine churches: Ethiopian priests must have seen this form of architecture during their pilgrimages to Jerusalem.

The largest of the 11 churches is **BET GIORGIS** (Church of St. George) which was cut 40 feet down in the form of a modified cross (FIG. 13–13). Most rock-cut sanctuaries have architectural details that appear to have been modeled in part from earlier Aksum palaces. However, Bet Giorgis has window details that are



13-13 • BET GIORGIS (THE CHURCH OF ST. GEORGE), LALIBELA, ETHIOPIA

similar to the organic tendril forms found in later Ethiopian painted manuscripts. The origins of the rock-cut church are unknown. The churches at Lalibela may have been modeled on earlier Aksumite cave sanctuaries, but it has also been suggested that they have their origins in central and southern India where Buddhist and Hindu temples, shrines, and monasteries have been excavated from the living rock for over 2,000 years.

#### KONGO KINGDOM

As in other parts of sub-Saharan Africa, art-making traditions in the Kongo cultural region developed over thousands of years. However, as elsewhere on the African continent, the climate here is often not conducive to the survival of objects made from wood. Among the earliest known wooden artworks from central Africa is a wood



**13-14 • ZOOMORPHIC HEAD** From Angola. c. 750 ce. Wood,  $19^{7}_{6}$  ×  $6^{1}_{6}$  " (50.5 × 15.5 cm). Royal Museum of Central Africa, Tervuren, Belgium.



carving unearthed in Angola in 1928 (FIG. 13–14). This **ZOOMOR-PHIC HEAD** may have been created for use as a headdress or mask. Its elongated snout, pointed ears and geometric surface patterning resemble some masking traditions and sculptural practices that endured in the region well into the twentieth century.

The Portuguese first encountered Kongo culture in 1482 at approximately the same time contact was made with the royal court of Benin in present-day western Nigeria. They visited the capital of Mbanza Kongo (present-day M'banza Congo) and met the manikongo ("king"), who ruled over a kingdom that was remarkable in terms of its complex political organization and artistic sophistication. The kingdom, divided into six provinces, encompassed over 100,000 square miles of present-day northwestern Angola and the western part of the Democratic Republic of the Congo. In 1491, King Nzinga aNkuwa converted to Christianity, as did his son and successor Afonso I, who established it as the state religion. The conversions helped to solidify trade relations with the Portuguese, and trade in copper, salt, ivory, cloth, and, later, slaves brought increased prosperity to the kingdom. Kongo's influence expanded until the mid seventeenth century when its trading routes were taken over by neighboring peoples, including the Lunda and Chokwe.

The increase in wealth brought a corresponding increase in the production of specialty textiles, baskets, and regalia for the nobility. Textiles in central Africa, as elsewhere in Africa, are of extreme importance in terms of their value as wealth. Textiles were used as forms of currency before European contact and figure prominently in funerary rituals even to the present day. Kongo decorated textiles were lauded by the Portuguese from first contact and were accepted as gifts or collected and found their way into European museum collections (FIG. 13–15).

Following Portuguese contact in the fifteenth century and Nzinga aNkuwa's conversion, Kongolese art increasingly absorbed Western influences. With the arrival of Catholic missionaries, who brought with them various religious objects-including the monstrance (a highly decorated vessel used to display the consecrated bread or "body" of Christ), figures of the Virgin Mary and various saints, and the CRUCIFIX—the crucifix became a potent symbol of both conversion and political authority. Cast in brass and copper alloy (FIG. 13-16) the forms mirror their European prototypes, but are often restated in African terms. The features of the crucified Christ, as well as his hands and feet and those of the supporting figures, suggest an African aesthetic, as does the placement of supporting figures above and below the central figure. Although the supporting figures appear to be praying, in Kongo iconography, as elsewhere in central Africa, the clapping of hands is a common gesture of respect for another person.

#### 13-15 • DECORATED TEXTILE



13-16 • CRUCIFIX
From Kongo. Early 17th
century ce. Bronze, height
10<sup>1</sup>/<sub>2</sub>" (26.7 cm).
Metropolitan Museum of
Art. Collection of Ernst
Anspach (1999.295.7)



#### 13-17 • SAPI-PORTUGUESE STYLE HUNTING HORN

From Sierra Leone. Late 15th century CE, ivory, length 25" (63.5 cm). National Museum of African Art, Smithsonian Institution. Walt Disney-Tishman African Art Collection (2005-6-9)

# **EXPORTING TO THE WEST**

Shortly after initial contact with European explorers, merchants, and traders African artisans not only continued to fashion objects for their own consumption but also began to produce them for export to Europe. For example, by the late fifteenth century, artisans residing in present-day Sierra Leone (called Sapi by the Portuguese) and Nigeria (Bini) began to make objects such as ivory saltcellars, powder flasks, spoons and forks, as well as exquisitely carved oliphants, or horns (FIG. 13–17) for European patrons.

The form of the Sapi-Portuguese oliphant and virtually all its decorative motifs are European-inspired. The mouthpiece is at the narrow end rather than on the side as is typical for African horns. The various carvings on the horns, including the coat of arms of Portugal and Spain, the motto of Spain's Ferdinand V, and heraldic emblems and hunting scenes, were derived from illustrations found in European prayer books and other publications that were given to the artists as source material. However, not all of the designs found on some export ivories are derived from European sources. For example, some saltcellars depicting human subjects were carved in a style that resembles stone figures found locally that predate Portuguese contact with the west African coast. As Chapter 28 will show, the synthesis of Western and traditional influences continued to affect African art in both subtle and overt ways.

## THINK ABOUT IT

- 13.1 Select one three-dimensional artwork and one two-dimensional artwork discussed in the chapter, and identify and summarize the original purpose of each. What role did these works play in society?
- **13.2** What is the spiritual role of the *oba* in Benin? What is his relationship to the spirit world, and how is that relationship represented in one work discussed in the chapter?
- 13.3 Explain the original purpose of the Benin royal plaque (see "A Warrior Chief Pledging Loyalty," pages 410–411), and how the identity of the individuals on the plaque and their posture relate to hierarchy at the royal court and the glorification of Benin kingship.
- 13.4 Consider a representation of African royalty, such as FIGURE 13–1. How was this artwork used in the context of its culture? Explain differences between African portrayals of royalty and those of the West, such as the imperial portraits of ancient Rome studied in Chapter 6. Are the African heads portraits?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**14–1 • CHI RHO IOTA PAGE FROM THE BOOK OF KELLS** Probably made at Iona, Scotland. Late 8th or early 9th century. Oxgall inks and pigments on vellum,  $12^34 \times 9^12''$  (32.5 × 24 cm). The Board of Trinity College, Dublin. MS. 58, fol. 34r

# EARLY MEDIEVAL ART IN EUROPE

The explosion of ornament surrounding—almost suffocating the words on this page from an early medieval manuscript clearly indicates the importance of what is being expressed (FIG. 14-1). The large Greek letters chi rho iota (XPI) abbreviate the word Christi that starts the Latin phrase Christi autem generatio. The last word is written out fully and legibly at bottom right, clear of the decorative expanse. These words begin Matthew 1:18: "Now the birth of Jesus the Messiah took place in this way." So what is signaled here—not with a picture of the event but with an ornamental celebration of its initial mention in the text-is Christ's first appearance within this Gospel book. The book itself not only contains the four biblical accounts of Christ's life; it would also evoke Christ's presence on the altar of the monastery church where this lavish book was once housed. It is precisely the sort of ceremonial book that we have already seen carried in the hands of a deacon in Justinian's procession into San Vitale in Ravenna to begin the Mass (SEE FIG. 7-23).

There is nothing explicitly Christian about the ornamental motifs celebrating the first mention of the birth of Christ in this manuscript—the Book of Kells, produced in Ireland or Scotland sometime around the year 800. The swirling spirals and interlaced tangles of stylized animal forms have their roots

in jewelry created by the migrating "barbarian" tribes that formed the "other" of the Greco-Roman world. But by this time, this ornamental repertory had been subsumed into the flourishing art of Irish monasteries. Irish monks became as famous for writing and copying books as for their intense spirituality and missionary fervor.

Wealthy, isolated, and undefended, Irish monasteries were easy victims to Viking attacks. In 806, fleeing Viking raids on the island of Iona (off the coast of modern Scotland), its monks established a refuge at Kells on the Irish mainland. They probably brought the Book of Kells with them. It was precious. Producing this illustrated version of the Gospels entailed lavish expenditure: Four scribes and three major painters worked on it (modern scribes take about a month to complete such a page), 185 calves were slaughtered to make the vellum, and colors for some of its paintings came from as far away as Afghanistan.

Throughout the Middle Ages and across Europe, monasteries were principal centers of art and learning. While prayer and acts of mercy represented their primary vocation, some talented monks and nuns also worked as painters, jewelers, carvers, weavers, and embroiderers. Few, however, could claim a work of art as splendid as this one.

## **LEARN ABOUT IT**

- **14.1** Investigate how barbarian ornamental styles became the basis for illustrating Christian manuscripts in Ireland and Northumbria, and learn how these manuscripts were made and used.
- 14.2 Assess the Carolingian revival of Roman artistic traditions in relation to the political position of the rulers as emperors sanctioned by the pope.
- **14.3** Appreciate and understand the variety of styles used to illustrate early medieval sacred books.
- **14.4** Discover the distinctive style of manuscript painting developed by Christian artists in Spain.
- **14.5** Analyze the planning and function of monasteries in the early Middle Ages.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

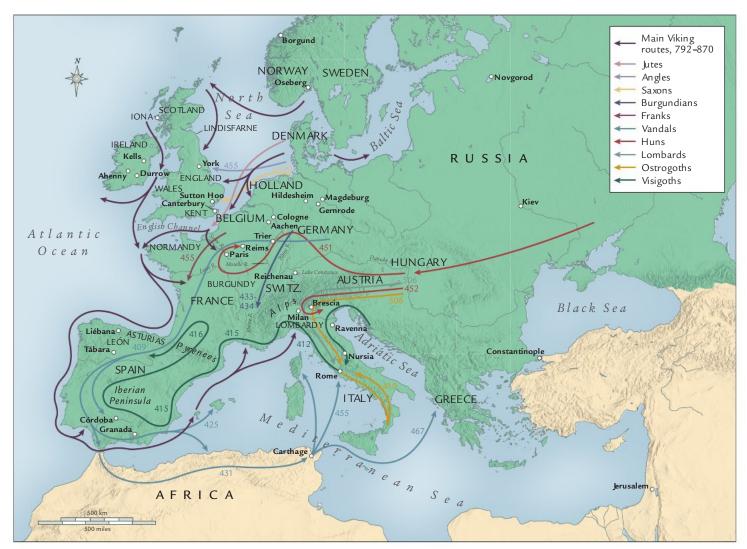
# THE EARLY MIDDLE AGES

As Roman authority crumbled at the dissolution of the Western Empire in the fifth century, it was replaced by "barbarians," people from outside the Roman empire and cultural orbit who could only "barble" Greek or Latin (MAP 14–1). Thus far we have seen these "barbarians" as adversaries viewed through Greek and Roman eyes—the defeated Gauls at Pergamon (SEE FIG. 5–52), the captives on the *Gemma Augustea* (SEE FIG. 6–19), or the enemy beyond the Danube River on Trajan's Column (SEE FIG. 6–43). But by the fourth century many Germanic tribes were allies of Rome. In fact, most of Constantine's troops in the decisive battle with Maxentius at the Milvian Bridge were Germanic.

A century later the situation was entirely different. The adventures of the Roman princess Galla Placidia, whom we have already met as a patron of the arts (SEE FIG. 7–14), bring the situation vividly to life. She had the misfortune to be in Rome

when Alaric and the Visigoths sacked the city in 410 (the emperor and pope were living safely in Ravenna). Carried off as a prize of war by the Goths, Galla Placidia had to join their migrations through France and Spain and eventually married the Gothic king, who was soon murdered. Back in Italy, married and widowed yet again, Galla Placidia ruled the Western Empire as regent for her son from 425 to 437/38. She died in 450, thus escaping yet another sack of Rome, this time by the Vandals, in 455. The fall of Rome shocked the Christian world, although the wounds were more psychological than physical. Bishop Augustine of Hippo (St. Augustine, d. 430) was inspired to write *The City of God*, a cornerstone of Christian philosophy, as an answer to people who claimed that the Goths represented the vengeance of the pagan gods on people who had abandoned them for Christianity.

Who were these people living outside the Mediterranean orbit? Their wooden architecture is lost to fire and decay, but their metalwork and its animal and geometric ornament has survived.



MAP 14-1 • EUROPE OF THE EARLY MIDDLE AGES

This map shows the routes taken by the groups of people who migrated into and through the western Roman world at the dawn of the Middle Ages. Modern country names have been used here for convenience, but at this time, these countries, as we know them, did not yet exist.



# ART AND ITS CONTEXTS

# Defining the Middle Ages

The roughly 1,000 years of European history between the dissolution of the Western Roman Empire during the fifth century and the Florentine Renaissance in the fifteenth century are generally referred to as the Middle Ages, or the medieval period. These terms reflect the view of Renaissance humanists who regarded the period that preceded theirs as a "dark age" of ignorance, decline, and barbarism, standing in the middle and separating their own "golden age" from the golden ages of ancient Greece and Rome. Although scholars now acknowledge the ridiculousness of this self-serving formulation and recognize the millennium of the "Middle Ages" as a period of

great richness, complexity, creativity, and innovation, the term has endured.

Art historians commonly divide the Middle Ages into three periods: early medieval (ending c. 1000), Romanesque (eleventh and twelfth centuries), and Gothic (beginning in the mid-twelfth and extending into the fifteenth century). In this chapter we can look at only a few of the many cultures that flourished during the early medieval period. For convenience, we will use modern geographic names as familiar points of reference (SEE MAP 14–1), but, in fact, European nations as we know them today did not yet exist.

They were hunters and fishermen, shepherds and farmers living in villages with a social organization based on extended families and tribal loyalties. They engaged in the practical crafts—pottery, weaving, woodwork—and they fashioned metals into weapons, tools, and jewelry.

The Celts controlled most of western Europe (see "The Celts," page 152), and the Germanic people—Goths and others—lived around the Baltic Sea. Increasing population evidently forced the Goths to begin to move south, into better lands and climate around the Mediterranean and Black Seas, but the Romans had extended the borders of their empire across the Rhine and Danube rivers. Seeking the relative security and higher standard of living they saw in the Roman Empire, the Germanic people crossed the borders and settled within the Roman world.

The tempo of migration speeded up in the fifth century when the Huns from Central Asia swept down on western Europe; the Ostrogoths (Eastern Goths) moved into Italy and deposed the last Western Roman emperor in 476; the Visigoths (Western Goths) ended their wanderings in Spain; the Burgundians settled in Switzerland and eastern France; the Franks in Germany, France, and Belgium; and the Vandals crossed over into Africa, making Carthage their headquarters before circling back to Italy, sacking Rome in 455.

As these barbarian groups gradually converted to Christianity, the Church served to unify Europe's heterogeneous population. As early as 345, the Goths adopted Arian Christianity, beliefs considered heretical by the Church in Rome. (Arian Christians did not believe that Christ was divine or co-equal with God the Father.) Not until 589 did they accept Roman Christianity. But the Franks under Clovis (r. 481–511), influenced by his Burgundian wife Clotilda, converted to Roman Christianity in 496, beginning a fruitful alliance between French rulers and the popes. Kings and nobles defended the claims of the Roman Church, and the pope, in turn, validated their authority. As its

wealth and influence increased throughout Europe, the Church emerged as the principal patron of the arts to fulfill growing needs for buildings and liturgical equipment, including altars, altar vessels, crosses, candlesticks, containers for the remains of saints (reliquaries), vestments (ritual garments), images of Christian figures and stories, and copies of sacred texts such as the Gospels. (See "Defining the Middle Ages," above.)

# THE ART OF THE "BARBARIANS" IN EUROPE

Out of a tangled web of themes and styles originating from inside and out of the empire, from pagan and Christian beliefs, from urban and rural settlements, brilliant new artistic styles were born across Europe as barbarian people settled within the former Western Roman Empire. Many of the migratory groups were superb metalworkers and created magnificent colorful jewelry, both with precious metals and with inlays of gems. Most of the motifs were geometric or highly abstracted from natural forms.

#### THE MEROVINGIANS

One of the barbarian groups that moved into the Western Roman world during the fifth century was the Franks, who migrated westward from what is now Belgium and settled in the northern part of Roman Gaul (modern France). There they were soon ruled by a succession of leaders from a dynasty named "Merovingian" after its legendary founder, Merovech. The Merovingians established a powerful kingdom during the reigns of Childeric I (c. 457–481) and his son Clovis I (481–511), whose conversion to Christianity in 496 connected the Franks to the larger European world through an ecclesiastical network of communication and affiliation.

Though some early **illuminated** books (books that include not only text but pictures and decoration in color and gold) have



**14-2 • JEWELRY OF QUEEN ARNEGUNDE**Discovered in her tomb, excavated at the Abbey of Saint-Denis, Paris. Burial c. 580–590. Gold, silver, garnets, and glass beads; length of pin 10<sup>3</sup>/<sub>8</sub>" (26.4 cm). Musée des Antiquités Nationales, Saint-Germain-en-Laye, France.

been associated with the dynasty, our knowledge of Merovingian art is based primarily on the jewelry that has been uncovered in the graves of kings, queens, and aristocrats, indicating that both men and women expressed their wealth (in death, as presumably in life) by wearing earrings, necklaces, finger rings, bracelets, and weighty leather belts, from which they suspended even more ornamental metalwork. One of the most spectacular royal tombs was that of Queen Arnegunde, unearthed during excavations in 1959 at the Abbey of Saint-Denis, near Paris, which was a significant center of Merovingian patronage.

Arnegunde was discovered within a stone sarcophagus—undisturbed since her burial in c. 580–590. From her bodily remains, archaeologists determined that she was slight and blond, 5 feet tall, and about 70 years old at the time of her death. The inscription of her name on a gold ring on her left thumb provided

the first clue to her identity, and her royal pedigree was confirmed by the sumptuousness of her clothing. She was outfitted in a short, purple silk tunic, cinched at the waist by a substantial leather belt from which was suspended ornamental metalwork. The stockings that covered her legs were supported by leather garters with silver strap tongues and dangling ornaments. Over this ensemble was a dark red gown embroidered in gold thread. This overgarment was opened up the front, but clasped at neck and waist by round brooches and a massive buckle (FIG. 14–2). These impressive objects were made by casting their general shape in two-piece molds, refining and chasing them with tools, and inlaying within reserved and framed areas carefully cut garnets to provide color and sparkle. Not long after Arnegunde's interment, Merovingian royalty ceased the practice of burying such precious items with the dead—encouraged by the Church to donate them instead to

religious institutions in honor of the saints—but we are fortunate to have a few early examples that presumably document the way these royal figures presented themselves on state occasions.

#### THE NORSE

In Scandinavia (present-day Denmark, Norway, and Sweden), which was never part of the Roman Empire, people spoke variants of the Norse language and shared a rich mythology with other Germanic peoples. Scandinavian artists had exhibited a fondness for abstract patterning from early prehistoric times. During the first millennium BCE, trade, warfare, and migration had brought a variety of jewelry, coins, textiles, and other portable objects into northern Europe. The artists incorporated the solar disks and stylized animals on these objects into their already rich artistic vocabulary.

By the fifth century CE, the so-called **animal style** dominated the arts, displaying an impressive array of serpents, four-legged beasts, and squat human figures, as can be seen in their metalwork. The **GUMMERSMARK BROOCH (FIG. 14–3)**, for example, is a large silver-gilt pin dating from the sixth century in Denmark. This elegant ornament consists of a large, rectangular panel and a medallionlike plate covering the safety pin's catch connected by an arched bow. The surface of the pin seethes with human, animal, and geometric forms. An eye-and-beak motif frames the rectangular panel, a man is compressed between dragons just below the bow, and a pair of monster heads and crouching dogs with spiraling tongues frame the covering of the catch.

Certain underlying principles govern works with animal style design: The compositions are generally symmetrical, and artists depict animals in their entirety either in profile or from above. Ribs and spinal columns are exposed as if they had been x-rayed; hip and shoulder joints are pear-shape; tongues and jaws extend and curl; and legs end in large claws.

The northern jewelers carefully crafted their molds to produce a glittering surface on the cast metal, turning a process intended to speed production into an art form of great refinement.

#### THE CELTS AND ANGLO-SAXONS IN BRITAIN

After the Romans departed Britain at the beginning of the fifth century, Angles and Saxons from Germany and the Low Lands, and Jutes from Denmark, crossed the sea to occupy southeastern Britain. Gradually they extended their control northwest across the island. Over the next 200 years, the arts experienced a spectacular efflorescence. A fusion of Celtic, Roman, Germanic, and Norse cultures generated a new style of art, sometimes known as Hiberno-Saxon (from the Roman name for Ireland, Hibernia). Anglo-Saxon literature is filled with references to sumptuous jewelry and weapons made of or decorated with gold and silver, and fortunately, some of it has survived to this day.

The Anglo-Saxon epic *Beowul f* composed perhaps as early as the seventh century, describes its hero's burial with a hoard of treasure in a grave mound near the sea. Such a burial site was



**14-3 • GUMMERSMARK BROOCH**Denmark. 6th century. Silver gilt, height  $5^3 4''$  (14.6 cm). Nationalmuseet, Copenhagen.

discovered near the North Sea coast in Suffolk at a site called Sutton Hoo (hoo means "hill"). The grave's occupant had been buried in a ship—90 feet long and designed for rowing, not sailing—whose traces in the earth were recovered by careful excavators. The wood—and the hero's body—had disintegrated, and no inscriptions record his name. He has sometimes been identified with the ruler Raedwald, who died about 625. Whoever he was, the treasures buried with him prove that he was a wealthy and powerful man. They include weapons, armor, other equipment to provide for the ruler's afterlife, and many luxury items. The objects from Sutton Hoo represent the broad multicultural heritage characterizing Britain, Ireland, and Scotland at this time—Celtic, Scandinavian, and classical Roman, as well as Anglo-Saxon. There was even a Byzantine silver bowl at Sutton Hoo.

## **RECOVERING THE PAST | Sutton Hoo**

The story of the discovery of Sutton Hoo—unquestionably one of the most important archaeological discoveries in Britain-begins with Edith May Pretty, who decided late in her life to explore the burial mounds that were located on her estate in southeast Suffolk, securing the services of a local amateur archaeologist, Basil Brown. Excavations began in 1938 as a collaborative effort between the two of them, and in the following year they encountered the famous ship burial. As rumors spread of the importance of the find, its excavation was gradually taken over by renowned experts and archaeologists who moved from the remains of the ship to the treasures of the burial chamber for which Sutton Hoo is most famous. Police officers were posted to guard the site, and the treasures were sent for safekeeping to the British Museum in London, although, since Sutton Hoo was determined not to be "Treasure Trove" (buried objects meant to be retrieved by their original owners and now considered property of the Crown-see "The Mildenhall Treasure," page 214), it was the legal property of Mrs. Pretty. She, however, decided to donate the entire contents of the burial mound to the British Museum.

Excavation of Sutton Hoo was interrupted by World War II, but in 1945 Rupert Bruce-Mitford of the British Museum began a scholarly

study of its treasures that would become his life work. He not only subjected each piece to detailed scrutiny; he proposed reconstructions of objects that were only partially preserved, such at the harp, helmet, and drinking horns. Using the evidence that had been gathered in a famous murder case, he proposed that Sutton Hoo was actually a burial, even though no evidence of human remains were ever found, since they could have disappeared completely in the notably acidic soil of the mound. Other scholars used radiocarbon dating of timber fragments and close analysis of coins to focus the dating of the burial to c. 625, which happened to coincide with the death date of King Raedwald of East Anglia, the most popular candidate for the identity of the person buried at Sutton Hoo.

After heated discussions and considerable controversy, new excavations were carried out in the area of Sutton Hoo during the 1980s and 1990s. These revealed a series of other discoveries in what emerged as an important early medieval burial ground and proved that the area had been inhabited since the Neolithic period, but they uncovered nothing to rival the collection of treasures that were preserved at Sutton Hoo.

One of the most exquisite finds was a clasp of pure gold that once secured over his shoulder the leather body armor of its distinguished owner (FIG. 14–4). The two sides of the clasp—essentially identical in design—were connected when a long gold pin, attached to one half by a delicate but strong gold chain, was inserted through a series of aligned channels on the back side of the inner edge of each. The superb decoration of this work is created by thin pieces of garnet and blue-checkered glass (known as millefiori, from the Italian for "a thousand flowers") cut into precisely stepped geometric shapes or to follow the sinuous contours of stylized animal forms. The cut shapes were then inserted into channels and supplemented by granulation (the use of minute granules of gold fused to the surface; see also "Aegean

Metalwork," page 87). Under the stepped geometric pieces that form a rectangular patterned field on each side, jewelers placed gold foil stamped with incised motifs that reflect light back up through the transparent garnet to spectacular effect. Around these carpetlike rectangles are borders of interlacing snakes, and in the curving compartments to the outside stand pairs of semi-transparent, overlapping boars stylized in ways that reflect the traditions of Scandinavian jewelry. Their curly pig's tails overlap their strong rumps at the outer edges on each side of the clasp, and following the visible vertebrae along the arched forms of their backs, we arrive at their heads, with floppy ears and extended tusks. Boars represented strength and bravery, important virtues in warlike Anglo-Saxon society.



14-4 • HINGED CLASP, FROM THE SUTTON HOO BURIAL SHIP Suffolk, England. First half of 7th century. Gold plaques with granulation and inlays of garnet and checked millefiori glass, length 5" (12.7 cm). British Museum, London.

# THE EARLY CHRISTIAN ART OF THE BRITISH ISLES

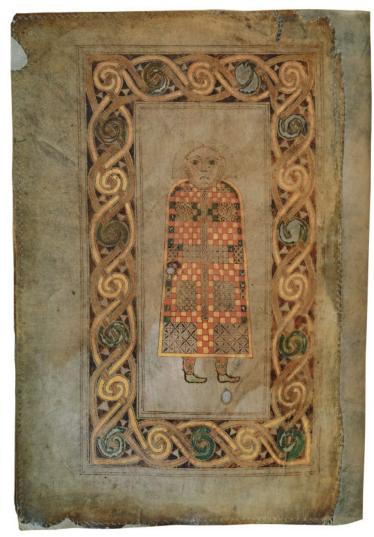
Although the Anglo-Saxons who settled in Britain had their own gods and myths, Christianity survived. Monasteries flourished in the Celtic north and west, and Christians from Ireland founded influential missions in Scotland and northern England. Cut off from Rome, these Celtic Christians developed their own liturgical practices, church calendar, and distinctive artistic traditions. Then, in 597, Pope Gregory the Great (pontificate 590-604) dispatched missionaries from Rome to the Anglo-Saxon king Ethelbert of Kent, whose Christian wife, Bertha, was sympathetic to their cause. The head of this successful mission, the monk Augustine (St. Augustine of Canterbury, d. 604), became the first archbishop of Canterbury in 601. The Roman Christian authorities and the Irish monasteries, although allied in the effort to Christianize Britain, came into conflict over their divergent practices. The Roman Church eventually triumphed and brought British Christians under its authority. Local traditions, however, continued to influence their art.

#### **ILLUSTRATED BOOKS**

Among the richest surviving artworks of the period are the lavishly decorated Gospel books, not only essential for spiritual and liturgical life within established monasteries, but also critical for the missionary activities of the Church, since a Gospel book was required in each new foundation. Often bound in gold and jeweled covers, they were placed on the altars of churches, carried in processions, and even thought to protect parishioners from enemies, predators, diseases, and all kinds of misfortune. Such sumptuous books were produced by monks in local monastic workshops called **scriptoria** (see "The Medieval Scriptorium," page 432).

THE BOOK OF DURROW. One of the earliest surviving decorated Gospels of the period is the **BOOK OF DURROW**, dating to the second half of the seventh century (FIG. 14–5). The book's format reflects Roman Christian models, but its paintings are an encyclopedia of Hiberno-Saxon design. Each of the four Gospels is introduced by a three-part decorative sequence: a page with the symbol of its evangelist author, followed by a page of pure ornament, and finally elaborate decoration highlighting the initial words of the text (the *inci pit*).

The Gospel of Matthew is preceded by his symbol, the man, but what a difference there is from the way humans were represented in the Greco-Roman tradition. The armless body is formed by a colorful checkered pattern recalling the rectangular panels of the Sutton Hoo clasp (SEE FIG. 14–4). Set on the body's rounded shoulders, a schematic, symmetrical, frontal face stares directly out at the viewer, and the tiny feet that emerge at its other end are seen from a contrasting profile view, as if to deny any hint of lifelike form or earth-based spatial placement. Equally prominent is the bold band of complicated but coherent interlacing ornament that borders the figure's field.



**14-5** • PAGE WITH MAN, GOSPEL BOOK OF DURROW Gospel of Matthew. Probably made at Iona, Scotland, or in northern England. Second half of 7th century. Ink and tempera on parchment,  $9^54 \times 6^14''$  (24.4 × 15.5 cm). The Board of Trinity College, Dublin. MS. 57 fol. 21v

THE BOOK OF KELLS. The monastic scribes and artists of England, Scotland, and Ireland developed and expanded this artistic tradition in works of breathtaking virtuosity like the Lindisfarne Gospels (see "The Lindisfarne Gospels," pages 430–431) and the Book of Kells. This chapter began with a close look at the most celebrated page in the Book of Kells—the page introducing Matthew's account of Jesus' birth (SEE FIG. 14–1). At first this appears to be a dense thicket of spiral and interlace patterns derived from metalworking traditions embellishing—in fact practically overwhelming—the Chi Rho monogram of Christ. The illuminators outlined each letter in the Chi Rho monogram, and then they subdivided the letters into panels filled with interlaced animals and snakes, as well as extraordinary spiral and knot motifs. The spaces between the letters form a whirling ornamental field, dominated by spirals.

In the midst of these abstractions, the painters inserted numerous pictorial and symbolic references to Christ—a fish (the



## THE OBJECT SPEAKS

## The Lindisfarne Gospels

The Lindisfarne Gospels is one of the most extraordinary books ever created, admired for the astonishing beauty of its words and pictures (SEE FIGS. A, B, and the first Closer Look in the Introduction, FIG. A), but also notable for the wealth of information we have about its history. Two and a half centuries after it was made, a priest named Aldred added a colophon to the book, outlining with rare precision the book's history, as he knew it-that it was written by Eadfrith, bishop of Lindisfarne (698-721), and bound by Ethelwald, his successor. Producing this stupendous example of book art was an expensive and laborious proposition - requiring 300 calfskins to make the vellum and using pigments imported from as far away as the Himalayas for the decoration. Preliminary outlines were made for each of the pictures, using compasses, dividers, and straight edges to produce precise underdrawings with a sharp point of silver or lead, forerunner to our pencils.

The full pages of ornament set within cross-shape frameworks (see example in the Introduction) are breathtakingly complex, like visual puzzles that require patient and extended viewing. Hybrid animal forms tangle in acrobatic interlacing, disciplined by strict symmetry and sharp framing. Some have speculated that members of the religious community at Lindisfarne might have deciphered the patterns as a spiritual exercise. But principally the book was carried in processions and displayed on the altar, not shelved in the library to be consulted as a part of intellectual life. The text is heavily ornamented and abbreviated, difficult to read. The words that begin the Gospel of Matthew (FIG. A)-Liber generationis ihu xpi filii david filii abraham (The book of the generation of Jesus Christ, son of David, son of Abraham)-are jammed together, even stacked on top of each other. They are also framed, subsumed, and surrounded by a proliferation of the decorative forms, ultimately deriving from barbarian visual traditions, that we have already seen moving from jewelry into books in the Durrow Gospels (SEE FIG. 14-5) and the Book of Kells (SEE FIG. 14-1).

But the paintings in the Lindisfarne Gospels document more than the developing sophistication of an abstract artistic tradition. Roman influence is evident here as well. Instead of beginning each Gospel with a symbol of its author, the designer of this book introduced portraits of the evangelists writing their texts, drawing on a Roman tradition (FIG. B). The monastic library at Wearmouth-Jarrow, not far from Lindisfarne, is known to have had a collection of Roman books, and an author portrait in one of them seems to have provided the model for an artist there, who portrayed Ezra Restoring the Sacred Scriptures within a huge Bible (FIG. C).



## A. PAGE WITH THE BEGINNING OF THE TEXT OF MATTHEW'S GOSPEL, LINDISFARNE GOSPEL BOOK

Lindisfarne, c. 715–720. Ink and tempera on vellum, 13 $^3$ / $\times$  9 $^7$ / $^*$ / $^*$  (34  $\times$  24 cm). The British Library, London. Cotton MS. Nero D.IV fol. 27r

The words written in the right margin, just beside the frame, are an Old English gloss translating the Latin text, added here in the middle of the tenth century by the same Aldred who added the colophon. They represent the earliest surviving English text of the Gospels.



### Cotton MS. Nero D.IV fol. 25v The identity of the haloed figure peeking from behind the curtain is still a topic of debate. Some see him as Christ confronting us directly around the veil that separated the holy of holies from worshipers in the Jewish Temple; others

B. MATTHEW WRITING HIS GOSPEL.

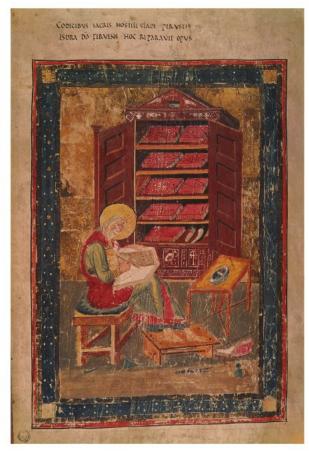
Lindisfarne. c. 715-720. Ink and tempera on vellum,  $13^{3}$ /s  $\times$   $9^{7}$ /6" (34  $\times$  24 cm). The British Library, London.

LINDISFARNE GOSPEL BOOK

think he is Moses, holding the closed book of the law that was meant to be seen in contrast to the open book into which Matthew writes his Gospel. Also curious here is the Greek form of "saint" in Matthew's title ("O Agios" or "the holy"), written, however, with letters from the Latin alphabet.

This painter worked to emulate the illusionistic traditions of the Greco-Roman world. Ezra is a modeled, three-dimensional form, sitting on a foreshortened bench and stool, both drawn in perspective to make them appear to recede into the distance. In the background, the obliquely placed books on the shelves of a cabinet seem to occupy the depth of its interior space.

Interestingly, the artist of the Matthew portrait in the Lindisfarne Gospels worked with the same Roman prototype, judging from the number of details these two portraits share, especially the figures' poses. But instead of striving to capture the lifelike features of his Roman model, the Lindisfarne artist sought to undermine them. Matthew appears against a blank background. All indications of modeling have been stripped from his clothing to foreground the decorative pattern and contrasting color created by the drapery "folds." By carefully arranging the ornament on the legs of Matthew's bench, the three-dimensional shading and perspective evident in the portrait of Ezra have been successfully suppressed. The footstool has been liberated from its support to float freely on the surface, while still resting under the evangelist's silhouetted feet. Playing freely with an acknowledged and clearly understood alien tradition, the painter situates an enigmatic figure in the "background" at upper right behind a gathered drape-suspended from a curtain rod hanging from a screw eye sunk into the upper frame - that is not long enough to conceal the rest of his figure. Clearly there were important cultural reasons for such divergent reactions to a Mediterranean model - Wearmouth-Jarrow seeking to emphasize its Roman connections and Lindisfarne its indigenous roots. We are extremely fortunate to have two surviving works of art that visualize the contrast so clearly.



#### C. EZRA RESTORING THE SACRED SCRIPTURES, IN THE BIBLE KNOWN AS THE CODEX AMIATINUS

Wearmouth-Jarrow. c. 700-715. Ink and tempera on vellum,  $20 \times 13^{1} 2''$  (50.5 × 34.3 cm). Biblioteca Medicea Laurenziana, Florence. Cod. Amiat. I, fol. 5r

This huge manuscript (at over 2,000 pages, it weighs more than 75 pounds) is the earliest surviving complete text of the Bible in the Latin Vulgate translation of St. Jerome.

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## ART AND ITS CONTEXTS

## The Medieval Scriptorium

Today books are made with the aid of computer software that can lay out pages, set type, and insert and prepare illustrations. Modern presses can produce hundreds of thousands of identical copies in full color. In medieval Europe, however, before the invention of printing from movable type in the mid 1400s, books were made by hand, one at a time, with ink, pen, brush, and paint. Each one was a time-consuming and expensive undertaking. No two were exactly the same.

At first, medieval books were usually made by monks and nuns in a workshop called a **scriptorium** (plural, scriptoria) within the monastery. As the demand for books increased, rulers set up palace workshops employing both religious and lay scribes and artists, supervised by scholars. Books were written on carefully prepared animal skin—either **vellum**, which was fine and soft, or **parchment**, which was heavier

and shinier. Ink and water-based paints also required time and experience to prepare, and many pigments—particularly blues and greens—were prepared from costly semiprecious stones. In very rich books, artists also used gold leaf or gold paint.

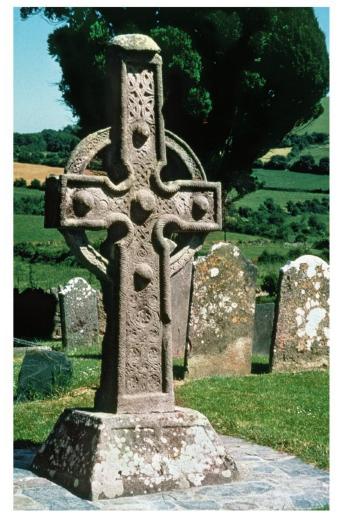
Work on a book was often divided between scribes, who copied the text, and artists, who painted or drew illustrations, large initials, and other decorations. Occasionally, scribes and artists signed and dated their work on the last page, in what was called the **colophon**. One scribe even took the opportunity to warn: "O reader, turn the leaves gently, and keep your fingers away from the letters, for, as the hailstorm ruins the harvest of the land, so does the injurious reader destroy the book and the writing" (cited in Dodwell, p. 247).

Greek word for "fish," *ichthus*, comprises in its spelling the first letters of Jesus Christ, Son of God, Savior), moths (symbols of rebirth), the cross-inscribed wafer of the Eucharist, and numerous chalices and goblets. In a particularly intriguing image at bottom left, two cats pounce on a pair of mice nibbling the Eucharistic wafer, and two more mice torment the vigilant cats. Is this a metaphor for the struggle between good (cats) and evil (mice), or an acknowledgment of the perennial problem of keeping the sacred Host safe from rodents? Perhaps it is both.

IRISH HIGH CROSSES. Metalworking traditions influenced not only manuscript decoration, but also the monumental stone crosses erected in Ireland during the eighth century. The **SOUTH CROSS** of Ahenny, in County Tipperary, is an especially well-preserved example (FIG. 14–6). It seems to have been modeled on metal ceremonial or reliquary crosses, that is, cross-shape containers for holy relics. It is outlined with ropelike, convex moldings and covered with spirals and interlace. The large bosses (broochlike projections), which form a cross within this cross, resemble the jewels that were similarly placed on metal crosses. The circle enclosing the arms of such Irish high crosses—so called because of their size—has been interpreted as a ring of heavenly light or as a purely practical means of supporting the projecting arms.

### MOZARABIC ART IN SPAIN

In 711, Islamic invaders conquered Spain, ending Visigothic rule. Bypassing the small Christian kingdom of Asturias on the north coast, they crossed the Pyrenees Mountains into France, but in 732 Charles Martel and the Frankish army stopped them before they



**14-6 • SOUTH CROSS, AHENNY**County Tipperary, Ireland. 8th century. Stone.

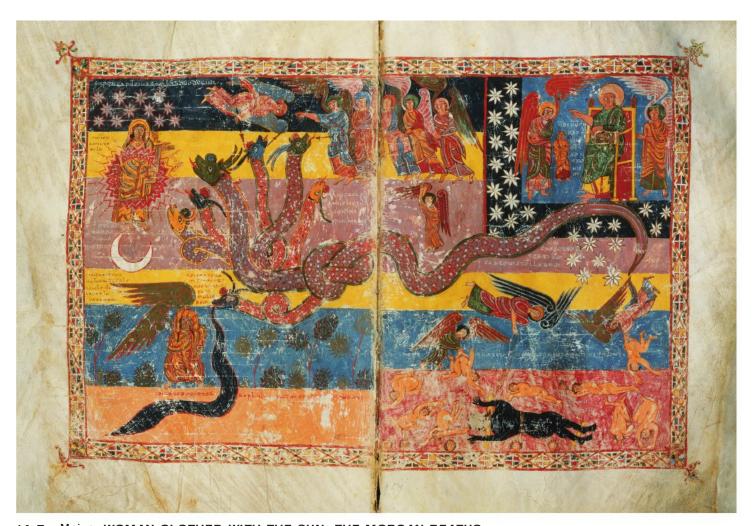
reached Paris. The Moors, as they were known in Spain, remained in the Iberian peninsula (Spain and Portugal) for nearly 800 years, until the fall of Granada to the Christians in 1492.

With some exceptions, Christians and Jews who acknowledged the authority of the Islamic rulers and paid the taxes required of non-Muslims were left free to follow their own religious practices. The Iberian peninsula became a melting pot of cultures in which Muslims, Christians, and Jews lived and worked together, all the while officially and firmly separated. Christians in the Muslim territories were called Mozarabs (from the Arabic *mustarib*, meaning "would-be Arab"). In a rich exchange of artistic influences, Christian artists incorporated some features of Islamic art into a colorful new style known as **Mozarabic**. When the Mozarabic communities migrated to northern Spain, which returned to Christian rule not long after the initial Islamic invasion, they took this Mozarabic style with them.

#### **BEATUS MANUSCRIPTS**

One of the most influential books of the eighth century was the Commentary on the Apocalypse, compiled by Beatus, abbot of the Monastery of San Martín at Liébana in the northern kingdom of Asturias. Beatus described the end of the world and the Last Judgment of the Apocalypse, rooted in the Revelation to John at the end of the New Testament, which vividly describes Christ's final, fiery triumph.

A lavishly illustrated copy of Beatus' Commentary called the Morgan Beatus was produced c. 940–945, probably at the Monastery of San Salvator at Tábara, by an artist named Maius (d. 968), who both wrote the text and painted the illustrations. His gripping portrayal of the *Woman Clothed with the Sun*, based on the biblical text of Apocalypse (Revelation) 12:1–18, extends over two pages to cover an entire opening of the book (FIG. 14–7). Maius has stayed close to the text in composing his tableau, which is



14-7 • Maius WOMAN CLOTHED WITH THE SUN, THE MORGAN BEATUS Monastery of San Salvador at Tábara, León, Spain. 940–945. Tempera on vellum,  $15^{1}/_{8} \times 22^{1}/_{6}"$  (38.5  $\times$  56 cm). The Pierpont Morgan Library, New York. MS. M644, fols. 152v-153r

When the modern abstract French painter Fernand Léger (1881–1955; SEE FIG. 31–21) was visiting the great art historian Meyer Schapiro (1904–1996) in New York during World War II, the artist asked the scholar to suggest the single work of art that was most important for him to see while there. Schapiro took him to the Morgan Library to leaf through this manuscript, and the strong impact it had on Léger can be clearly seen in the boldness of his later paintings.

dominated by the long, seven-headed, red dragon that slithers across practically the entire width of the picture to threaten at top left the "woman clothed with the sun, with the moon under her feet, and on her head a crown of twelve stars" (12:1). With his tail, at upper right, he sweeps a third of heaven's stars toward Earth while the woman's male child appears before the throne of God. Maius presents this complex allegory of the triumph of the Church over its enemies with a forceful, abstract, ornamental style that accentuates the dramatic, nightmarish qualities of the events outlined in the text. The background has been distilled into horizontal strips of color; the figures become striped bundles of drapery capped with faces dominated by staring eyes and silhouetted, framing haloes. Momentous apocalyptic events have been transformed by Maius into exotic abstractions that still maintain their power to captivate our attention.

Another copy of Beatus' Commentary was produced about 30 years later for Abbot Dominicus of San Salvator at Tábara. A colophon identifies Senior as the scribe for this project. Emeterius and a woman named Ende (or simply En), who signed herself "painter and servant of God," shared the task of illustration. For the first time in the West, a woman artist is identified by name with a specific surviving work of art. In an allegory of the triumph of Christ over Satan (FIG. 14-8), the painters show a peacock grasping a red-and-orange snake in its beak. The text explains that a bird with a powerful beak and beautiful plumage (Christ) covers itself with mud to trick the snake (Satan). Just when the snake decides the bird is harmless, the bird swiftly attacks and kills it. "So Christ in his Incarnation clothed himself in the impurity of our [human] flesh that through a pious trick he might fool the evil deceiver....[W]ith the word of his mouth [he] slew the venomous killer, the devil" (cited in Williams, page 95).



14-8 • Emeterius and Ende, with the scribe Senior BATTLE OF THE BIRD AND THE SERPENT, COMMENTARY ON THE APOCALYPSE BY BEATUS AND COMMENTARY ON DANIEL BY JEROME (DETAIL)

Made for Abbot Dominicus, probably at the Monastery of San Salvador at Tábara, León, Spain. Completed July 6, 975. Tempera on parchment,  $15^34\times10^{1}4''$  (40  $\times$  26 cm). Cathedral Library, Gerona, Spain. MS. 7[11], fol. 18v

### THE VIKING ERA

In the eighth century, seafaring bands of Norse seamen known as Vikings (*viken*, "people from the coves") descended on the rest of Europe. Setting off in flotillas of as many as 350 ships, they explored, plundered, traded with, and colonized a vast area during the ninth and tenth centuries. The earliest recorded Viking incursions were two devastating attacks on wealthy isolated Christian monasteries: one in 793, on the religious community on Lindisfarne, an island off the northeast coast of England; and another in 795, at Iona, off Scotland's west coast.

Norwegian and Danish Vikings raided a vast territory stretching from Iceland and Greenland, where they settled in 870 and 985, respectively, to Ireland, England, Scotland, and France. The Viking Leif Eriksson reached North America in 1000. In good weather a Viking ship could sail 200 miles in a day. In the early tenth century, the rulers of France bought off Scandinavian raiders (the Normans, or "northmen") with a large grant of land that became the duchy of Normandy. Swedish Vikings turned eastward and traveled down the Russian rivers to the Black Sea and Constantinople, where the Byzantine emperor recruited them to form an elite personal guard. Others, known as Rus, established settlements around Novgorod, one of the earliest cities in what would become Russia. They settled in Kiev in the tenth century and by 988 had become became Orthodox Christians (see Chapter 7).

#### THE OSEBERG SHIP

Since prehistoric times Northerners had represented their ships as sleek sea serpents, and, as we saw at Sutton Hoo, they used them for burials as well as sea journeys. The ship of a dead warrior symbolized his passage to Valhalla (a legendary great hall that welcomed fallen warriors), and Viking chiefs were sometimes cremated in a ship in the belief that this hastened their journey. Women as well as men were honored by ship burials. A 75-footlong ship, discovered in Oseberg, Norway, and dated 815-820, served as the vessel for two women on their journey to eternity in 834, a queen and her companion or servant. Although the burial chamber was long ago looted of jewelry and precious objects, the ship itself and its equipment attest to the wealth and prominence of the ship's owner. A cart and four sleds, all made of wood with beautifully carved decorations, were stored on board. At least 12 horses, several dogs, and an ox had been sacrificed to accompany these women on their last journey.

This Oseberg ship itself, propelled by both sail and oars, was designed for travel in the relatively calm waters of fjords (narrow coastal inlets), not for voyages in the open sea. The rising prow spirals into a tiny serpent's head, and bands of interlaced animals carved in low relief run along the edges (FIG. 14–9). Viking beasts are grotesque, broad-bodied creatures with bulging eyes, short muzzles, snarling mouths, and large teeth who clutch each other with sharp claws. Images of these strange beasts adorned all sorts of



14-9 • GRIPPING BEASTS, DETAIL OF OSEBERG SHIP

c. 815–820. Wood. Vikingskiphuset, Universitets Oldsaksamling, Oslo, Norway.

Viking belongings—jewelry, houses, tent poles, beds, wagons, and sleds. Traces of color—black, white, red, brown, and yellow—indicate that the carved wood was originally painted.

All women, including the most elite, worked in the fiber arts. The Oseberg queen took her spindles, a frame for sprang (braiding), and tablets for tablet-weaving, as well as two upright looms, with her to the grave. Her cabin walls had been hung with tapestries, fragments of which survive. Women not only produced clothing and embroidered garments and wall hangings, but also wove the huge sails of waterproof unwashed wool that gave the ships a long-distance capability. The entire community—men and women—worked to create these ships, which represent the Vikings' most important surviving contribution to world architecture.



14-10 • ROYAL RUNE STONES, RIGHT-HAND STONE ORDERED BY KING HARALD BLUETOOTH Jelling, Denmark. 983–985. Granite, 3-sided, height about 8' (2.44 m).

#### PICTURE STONES AT JELLING

Both at home and abroad, the Vikings erected large memorial stones. Those covered mostly with inscriptions are called **rune stones** (runes are twiglike letters of an early Germanic alphabet). Those with figural decoration are called **picture stones**. Traces of pigments suggest that the memorial stones were originally painted in bright colors.

About 980, the Danish king Harald Bluetooth (c. 940–987) ordered a picture stone to be placed near an old, smaller rune stone and the family burial mounds at Jelling (FIG. 14–10). Carved in runes on a boulder 8 feet high is the inscription "King Harald had this memorial made for Gorm his father and Thyra his mother: that Harald who won for himself all Denmark and Norway and made the Danes Christians." Harald and the Danes had accepted Christianity in c. 960, but Norway did not become Christian until 1015.

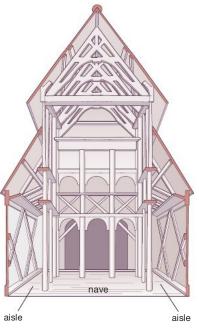
During the tenth century, a new style emerged in Scandinavia and the British Isles, one that combined interlacing foliage and ribbons with animals that are more recognizable than the gripping beasts of the Oseberg ship. On one face of the larger Jelling stone the sculptor carved the image of Christ robed in the Byzantine manner, with arms outstretched as if crucified. He is entangled in a double-ribbon interlace instead of nailed to a cross. A second side holds runic inscriptions, and a third, a striding creature resembling a lion fighting a snake. The loosely twisting double-ribbon interlace covering the surface of the stone could have been inspired by Hiberno-Saxon art.

#### TIMBER ARCHITECTURE

The vast forests of Scandinavia provided the materials for timber buildings of many kinds. Two forms of timber construction evolved: one that stacked horizontal logs, notched at the ends, to form a rectangular building (the still-popular log cabin); and the other that stood the wood on end to form a palisade or vertical plank wall, with timbers set directly in the ground or into a sill (a horizontal beam). More modest buildings consisted of wooden frames filled with wattle-and-daub (woven branches covered with mud or other substances). Typical buildings had a turf or thatched roof supported on interior posts. The same basic structure was used for almost all building types—feasting and assembly halls, family homes (which were usually shared with domestic animals), workshops, barns, and sheds. The great hall had a central open hearth (smoke escaped through a louver in the roof) and an off-center door designed to reduce drafts. People secured their residences and trading centers by building massive circular earthworks topped with wooden palisades.

THE BORGUND STAVE CHURCH. Subject to decay and fire, early timber buildings have largely disappeared, leaving only postholes and other traces in the soil. In rural Norway, however, a few timber stave churches survive—named for the four huge timbers (staves) that form their structural core. Borgund church, from about 1125–1150 (FIG. 14–11), has four corner staves supporting the central roof, with additional interior posts that create the effect of





14-11 • EXTERIOR AND **CUTAWAY DRAWING OF** STAVE CHURCH, BORGUND, **NORWAY** 

c. 1125-1150.

SEE MORE: View a simulation of stave church construction

www.myartslab.com

a nave and side aisles, narthex, and choir. A rounded apse covered with a timber tower is attached to the choir. Steeply pitched roofs covered with wooden shingles protect the walls-planks slotted into the sills—from the rain and snow. Openwork timber stages set on the roof ridge create a tower and give the church a steep pyramidal shape. On all the gables either crosses or dragon heads protect the church and its congregation from trolls and demons.

The Vikings were not always victorious. Their colonies in Iceland and the Faeroe Islands survived, but in North America their trading posts eventually had to be abandoned. In Europe, south of the Baltic Sea, a new German dynasty challenged and then defeated the Vikings. By the end of the eleventh century the Viking era came to an end.

### THE CAROLINGIAN EMPIRE

During the second half of the eighth century, while Christians and Muslims were creating a rich multicultural art in Spain and the Vikings were surging through Europe, a new force emerged on the Continent. Charlemagne (the French form of *Carolus Maguus*, Latin for "Charles the Great") established a dynasty and an empire known today as the Carolingian. He descended from a family that had succeeded the Merovingians in the late seventh century as rulers of the Franks in northern Gaul (parts of present-day France and Germany). Under Charlemagne (r. 768–814), the Carolingian realm reached its greatest extent, encompassing



14-12 • EQUESTRIAN PORTRAIT OF CHARLES THE BALD (?)

9th century. Bronze, height 91/2" (24.4 cm). Musée du Louvre, Paris.

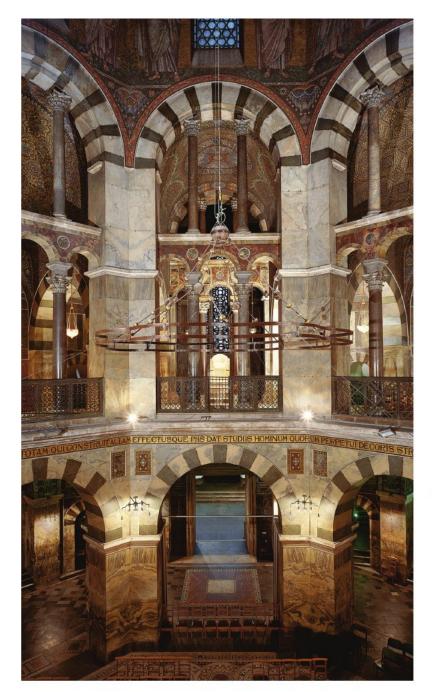
western Germany, France, the Lombard kingdom in Italy, and the Low Countries (present-day Belgium and Holland). Charlemagne imposed Christianity throughout this territory, and in 800, Pope Leo III (pontificate 795–816) crowned Charlemagne emperor in a ceremony in St. Peter's Basilica in Rome, declaring him the rightful successor to Constantine, the first Christian emperor. This endorsement reinforced Charlemagne's authority and strengthened the bonds between the papacy and secular government in the West.

The Carolingian rulers' ascent to the Roman imperium, and the political pretensions it implied, are clearly signaled in a small bronze equestrian statue—once thought to be a portrait of Charlemagne himself but now usually identified with his grandson **CHARLES THE BALD (FIG. 14–12)**. The idea of representing an emperor as a proud equestrian figure recalls the much larger image of Marcus Aurelius (SEE FIG. 6–52) that was believed during the Middle Ages to portray Constantine, the first Christian emperor and an ideal prototype for the ruler of the Franks, newly legitimized by the pope. But unlike the bearded Roman, this Carolingian king sports a mustache, a Frankish sign of nobility that had also been common among the Celts (SEE FIG. 5–52). Works of art such as this are not the result of a slavish mimicking of Roman prototypes, but of a creative appropriation of Roman imperial typology to glorify manifestly Carolingian rulers.

Charlemagne sought to restore the Western Empire as a Christian state and to revive the arts and learning. As inscribed on his official seal, Charlemagne's ambition was "the Renewal of the Roman Empire." To lead this revival, Charlemagne turned to Benedictine monks and nuns. By the early Middle Ages, monastic communities had spread across Europe. In the early sixth century, Benedict of Nursia (c. 480–547) wrote his *Rule for Monasteries*, and this set of guidelines for a secluded life of monastic work and prayer became the model for Benedictine monasticism, soon the dominant form throughout Europe. The Benedictines became Charlemagne's "cultural army," and the imperial court at Aachen, Germany, one of the leading intellectual centers of western Europe.

#### CAROLINGIAN ARCHITECTURE

To proclaim the glory of the new empire in monumental form, Charlemagne's architects turned to the two former Western imperial capitals, Rome and Ravenna, for inspiration. Charlemagne's biographer Einhard reported that the ruler, "beyond all sacred and venerable places... loved the church of the holy apostle Peter in Rome." Not surprisingly, Constantine's basilica of St. Peter, with its long nave and side aisles ending in a transept and projecting apse (see page 228, FIG. A), served as a model for many important churches in Charlemagne's empire. The basilican plan, which had fallen out of favor since the Early Christian period, emerged again as the principal arrangement of large congregational churches and would remain so throughout the Middle Ages and beyond.

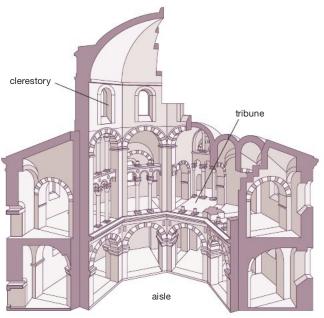


## 14-13 • PALACE CHAPEL OF CHARLEMAGNE

Interior view, Aachen (Aix-la-Chapelle), Germany. 792–805.

Extensive renovations took place in the nineteenth century, when the chapel was reconsecrated as the Cathedral of Aachen, and in the twentieth century, after it was damaged in World War II.

SEE MORE: View a video about the Palace Chapel of Charlemagne www.myartslab.com



14-14 • SECTION DRAWING OF THE PALACE CHAPEL OF CHARLEMAGNE

CHARLEMAGNE'S PALACE AT AACHEN. Charlemagne's palace complex provides an example of the Carolingian synthesis of Roman, Early Christian, and northern styles. Charlemagne, who enjoyed hunting and swimming, built a headquarters and palace complex amid the forests and natural hot springs of Aachen in the northern part of his empire and installed his court there about 794. The palace complex included a large masonry audience hall and chapel facing each other across a large square (reminiscent of a Roman forum), and a monumental gateway supporting a hall of judgment. Other administrative buildings, a palace school, homes for his circle of advisors and his large family, and workshops supplying all the needs of Church and state, were mostly constructed using the wooden building traditions indigenous to this part of Europe.

The PALACE CHAPEL (FIGS. 14–13, 14–14) functioned as Charlemagne's private place of worship, the church of his imperial court, a place for precious relics, and, after the emperor's death, the imperial mausoleum. The central, octagonal plan recalls the church of San Vitale in Ravenna (SEE FIG. 7–20), but the Carolingian architects have added a monumental western entrance block. Known as a **westwork**, this structure combined a ground-floor narthex (vestibule) and an upper-story throne room which opened onto the chapel interior, allowing the emperor an unobstructed view of the liturgy at the high altar, and at the same time assuring his privacy and safety. The room also opened outside into a large walled forecourt where the emperor could make public appearances and speak to the assembled crowd.



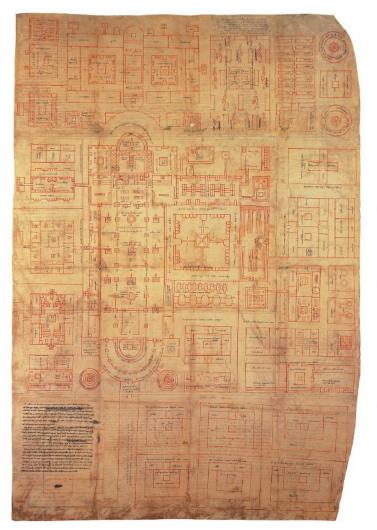
14-15 • WESTWORK, ABBEY CHURCH OF CORVEY Germany. Late 9th century (upper stories mid 12th century).

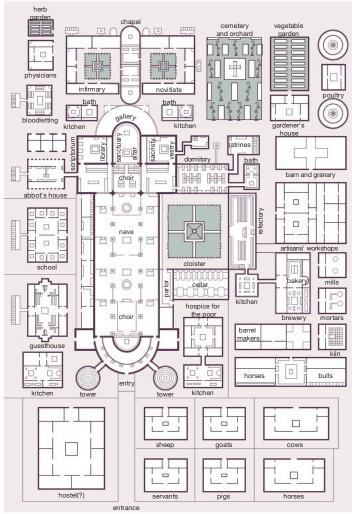
The soaring core of the chapel is an octagon, surrounded at the ground level by an ambulatory (curving aisle passageway) and on the second floor by a gallery (upper-story passageway overlooking the main space), and rising to a clerestory above the gallery level and under the octagonal dome. Two tiers of paired Corinthian columns and railings at the gallery level form a screen that re-emphasizes the flat, pierced walls of the octagon and enhances the clarity and planar geometry of its design. The effect is quite different from the dynamic spatial play and undulating exedrae of San Vitale, but the veneer of richly patterned and multicolored stone—some imported from Italy—on the walls and the mosaics covering the dome at Aachen were clearly inspired by Byzantine architecture.

THE WESTWORK AT CORVEY. Originally designed to answer practical requirements of protection and display in buildings such as Charlemagne's palace chapel, the soaring multitowered westwork came to function symbolically as the outward and very visible sign of an important building and is one of the hallmarks of Carolingian architecture. A particularly well-preserved example is the late

ninth-century westwork at the **ABBEY CHURCH OF CORVEY** (FIG. 14–15). Even discounting the pierced upper story and towers that were added in the middle of the twelfth century, this is a broad and imposing block of masonry construction. The strong, austere exterior is a symmetrical arrangement of towers flanking a central core punched with a regular pattern of windows and doors, devoid of elaborate carving or decoration. In addition to providing private spaces for local or visiting dignitaries, the interiors of westworks may have been used for choirs—medieval musical graffiti have been discovered in the interior of this westwork—and they were the starting point for important liturgical processions.

THE SAINT GALL PLAN. Monastic life centered on prayer and work, and since it also demanded seclusion, it required a special type of architectural planning. While contemplating how best to house a monastic community, Abbot Haito of Reichenau developed, at the request of his colleague Abbot Gozbert of Saint Gall, a conceptual plan for the layout of monasteries. This extraordinary ninth-century drawing survives in the library of the Abbey of Saint Gall in modern Switzerland and is known as the





14-16 • SAINT GALL PLAN (ORIGINAL AND REDRAWN WITH CAPTIONS)

c. 817. Original in red ink on parchment, 28 × 441 & (71.1 × 112.1 cm). Stiftsbibliothek, Saint Gall, Switzerland. Cod. Sang. 1092

**SAINT GALL PLAN (FIG. 14–16).** This is not a "blueprint" in the modern sense, prepared to guide the construction of an actual monastery, but an intellectual record of Carolingian meditations on the nature of monastic life. It does, however, reflect the basic design used in the layout of medieval monasteries, an efficient and functional arrangement that continues to be used by Benedictine monasteries to this day.

At the center of the Saint Gall plan is the **cloister**, an enclosed courtyard around which open all the buildings that are most central to the lives of monks. Most prominent is a large basilican church north of the cloister, with towers and multiple altars in nave and aisles as well as in the sanctuary at the east end, where monks would gather for communal prayer throughout the day and night. On the north side of the church were public buildings such

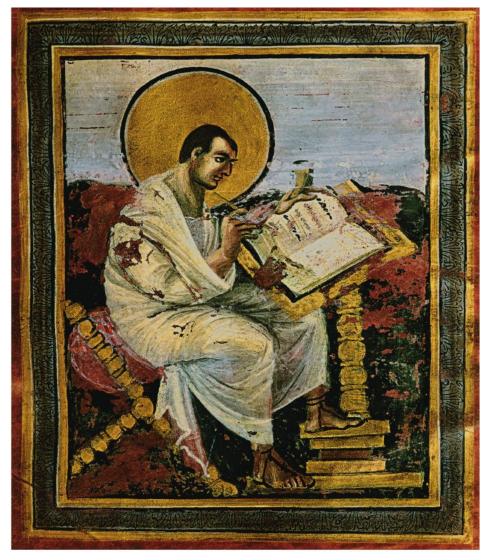
as the abbot's house, the school, and the guesthouse. The monks' living quarters lie off the southern and eastern sides of the cloister, with dormitory, refectory (dining room), and work rooms. For night services the monks could enter the church directly from their dormitory. The kitchen, brewery, and bakery were attached to the refectory, and a huge cellar (indicated on the plan by giant barrels) was on the west side. Along the east edge of the plan are the cemetery, hospital, and an educational center for novices (monks in training).

The Saint Gall plan indicates beds for 77 monks in the dormitory. Practical considerations for group living include latrines attached to every unit—dormitory, guesthouse, and abbot's house. Six beds and places in the refectory were reserved for visiting monks. In the surrounding buildings were special spaces for scribes and painters, who spent much of their day in the scriptorium studying and copying books, and teachers who staffed the monastery's schools and library. St. Benedict had directed that monks extend hospitality to all visitors, and the plan includes a hospice for the poor. South and west of the central core were the workshops, farm buildings, and housing for the lay community of support staff.

#### **ILLUSTRATED BOOKS**

Books played a central role in the efforts of Carolingian rulers to promote learning, propagate Christianity, and standardize church law and practice. Imperial workshops produced authoritative copies of key religious texts, weeding out the errors that had inevitably crept into books over centuries of copying them by hand. The scrupulously edited versions of ancient and biblical texts that emerged are among the lasting achievements of the Carolingian period. For example, the Anglo-Saxon scholar Alcuin of York, whom Charlemagne called to his court, spent the last eight years of his life producing a corrected copy of the Latin Vulgate Bible. His revision served as the standard text of the Bible for the remainder of the medieval period and is still in use.

Carolingian scribes also worked on standardizing script. Capitals (majuscules) based on ancient Roman inscriptions continued to be used for very formal writing, titles and headings, and luxury manuscripts. But they also developed a new, clear script called Carolingian minuscule, based on Roman forms but with a



14-17 • PAGE WITH ST. MATTHEW THE EVANGELIST, CORONATION GOSPELS

Gospel of Matthew. Early 9th century.  $12^3 4 \times 9^7 4''$  (36.3  $\times$  25 cm). Kunsthistorische Museum, Vienna.

Tradition holds that this Gospel book was buried with Charlemagne in 814, and that in the year 1000 Emperor Otto III removed it from his tomb. Its title derives from its use in the coronation ceremonies of later German emperors.

uniform lowercase alphabet that increased legibility and streamlined production. So like those who transformed revived Roman types—such as basilicas, central-plan churches, or equestrian Roman portraits—into creative new works, scribes and illuminators revived, reformed, and revitalized established traditions of book production. Notably, they returned the representation of lifelike human figures to a central position. For example, portraits of the evangelists (the authors of the Gospels)—as opposed to the symbols used to represent them in the Book of Durrow (SEE FIG. 14–5)—began to look like pictures of Roman authors.

THE CORONATION GOSPELS. The portait of Matthew (FIG. 14–17) in the early ninth-century Coronation Gospels of Charlemagne conforms to principles of idealized, lifelike representation quite consistent with the Greco-Roman Classical tradition.

14-18 • PAGE WITH ST. MATTHEW THE EVANGELIST, EBBO GOSPELS

Gospel of Matthew. Second quarter of 9th century. Ink, gold, and colors on vellum,  $10^14 \times 8^34''$  (26  $\times$  22.2 cm). Bibliothèque Municipale, Épernay, France. MS. 1, fol. 18v

The full-bodied, white-robed figure is modeled in brilliant white and subtle shading and seated on the cushion of a folding chair set within a freely painted landscape. The way his foot lifts up to rest on the solid base of his writing desk emphasizes his three-dimensional placement within an outdoor setting, and the frame enhances the Classical effect of a view seen through a window. Conventions for creating the illusion of solid figures in space may have been learned from Byzantine manuscripts in a monastic library, or from artists fleeing Byzantium as a result of the iconoclastic controversy (see "Iconoclasm," page 246).

THE EBBO GOSPELS. The incorporation of the Roman tradition in manuscript painting was not an exercise in blind copying. It became the basis for a series of creative Carolingian variations. One of the most innovative and engaging is a Gospel book made

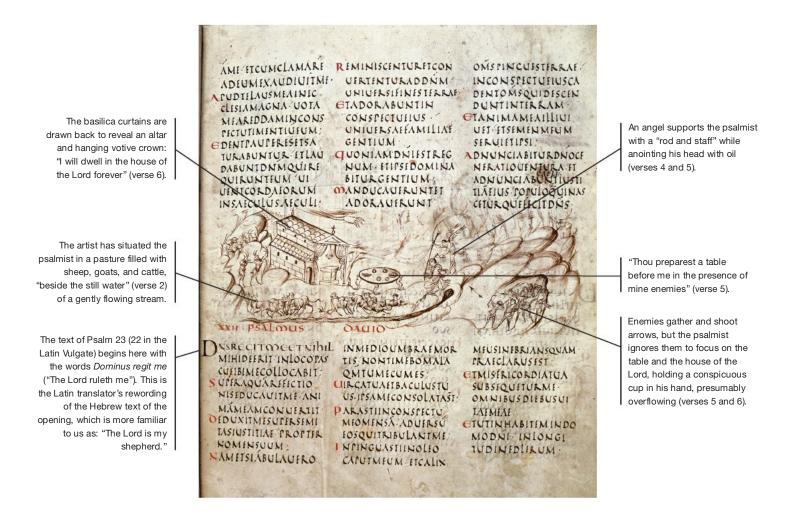
for Archbishop Ebbo of Reims (archbishop 816-835, 840-841) at the nearby Abbey of Hautevillers (FIG. 14–18). The calm, carefully painted grandeur characterizing Matthew's portrait in the Coronation Gospels (SEE FIG. 14-17) has given way here to spontaneous, calligraphic painting suffused with energetic abandon. The passion may be most immediately apparent in the intensity of Matthew's gaze, but the whole composition is charged with energy, from the evangelist's wiry hairdo and rippling drapery, to the rapidly sketched landscape, and even extending into the windblown acanthus leaves of the frame. These forms are related to content since the marked expressionism evokes the evangelist's spiritual excitement as he hastens to transcribe the Word of God delivered by the angel (also serving as Matthew's symbol), who is almost lost in the upper right corner. As if swept up in the saint's turbulent emotions, the footstool tilts precariously, and the top of the desk seems about to detach itself from the pedestal.

THE UTRECHT PSALTER. One of the most famous Carolingian manuscripts, the Utrecht Psalter, is illustrated with ink drawings that match the nervous linear vitality encountered in Ebbo's Gospel book. Psalms do not tell straightforward stories but use metaphor and allegory in poems of prayer; they are exceptionally difficult to illustrate. Some psalters bypass this situation by illustrating scenes from the life of the presumed author (SEE FIG. 7–39), but the artists of the Utrecht Psalter decided to interpret the words and images of individual psalms literally (see "A Closer Look," page 444). Sometimes the words are acted out, as in a game of charades.



Psalm 23 in the Utrecht Psalter

Second quarter of 9th century. Ink on vellum or parchment,  $13 \times 9^7 \ell''$  (33  $\times$  25 cm). Universiteitsbibliotheek, Utrecht, Holland. MS. 32, fol. 13r



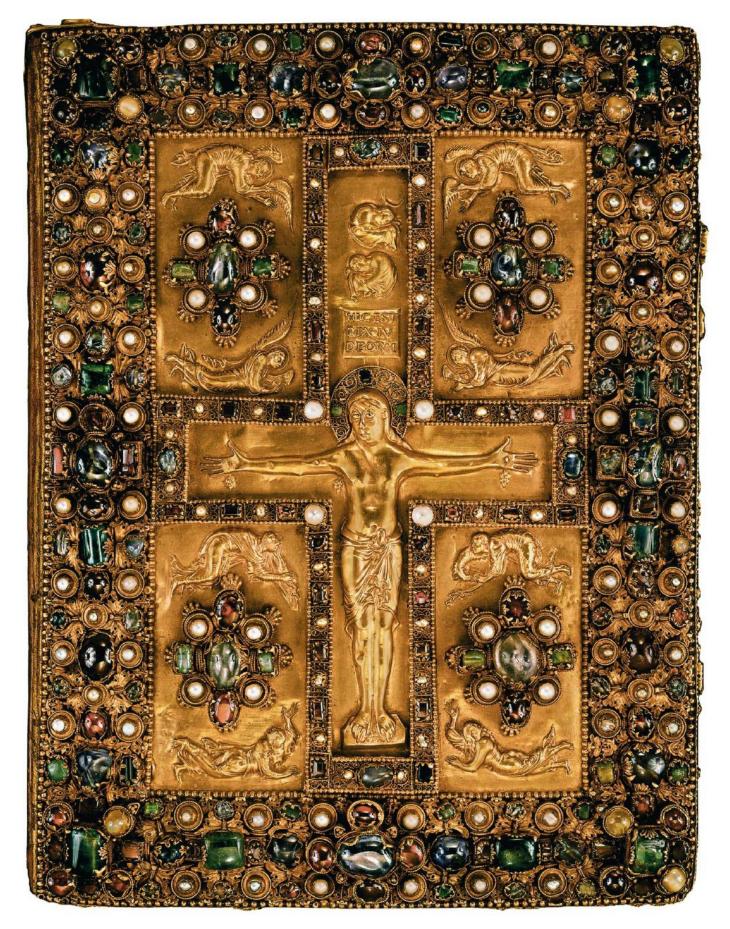
SEE MORE: View the Closer Look feature for Psalm 23 in the Utrecht Psalter www.myartslab.com

#### CAROLINGIAN METALWORK

The sumptuously illustrated manuscripts of the medieval period represented an enormous investment of time, talent, and materials, so it is not surprising that they were often protected with equally sumptuous covers. But because these covers were themselves made of valuable materials—ivory, enamelwork, precious metals, and jewels—they were frequently recycled or stolen. The elaborate book cover of gold and jewels, now on the Carolingian manuscript known as the **LINDAU GOSPELS** (FIG. 14–19), was probably made between 870 and 880 at one of the monastic workshops of Charlemagne's grandson, Charles the Bald (r. 840–877), but not for this

book. Sometime before the sixteenth century it was reused on a late ninth-century manuscript from the Monastery of Saint Gall.

The cross and the Crucifixion were common themes for medieval book covers. This one is crafted in pure gold with figures in repoussé (low relief produced by pushing or hammering up from the back of a panel of metal to produce raised forms on the front) surrounded by heavily jeweled frames. The jewels are raised on miniature arcades to allow reflected light to pass through them from beneath, imparting a lustrous glow, and also to allow light traveling in the other direction to reflect from the shiny surface of the gold.



14-19 • CRUCIFIXION WITH ANGELS AND MOURNING FIGURES, LINDAU GOSPELS Outer cover. c. 870–880. Gold, pearls, sapphires, garnets, and emeralds,  $13^34 \times 10^34''$  (36.9 × 26.7 cm). The Pierpont Morgan Library, New York. MS. 1



14-20 • OTTO I PRESENTING MAGDEBURG CATHEDRAL TO CHRIST

One of a series of 17 ivory plaques known as the Magdeburg Ivories, possibly carved in Milan. c. 962–968. Ivory,  $5\times4^1$ /2" (12.7  $\times$  11.4 cm). Metropolitan Museum of Art, New York. Bequest of George Blumenthal, 1941 (41.100.157)

Grieving angels hover above the arms of the cross, and earthbound mourners twist in agony below. Over Jesus' head personifications of the sun and the moon hide their faces in anguish. The gracefully animated poses of these figures, who seem to float around the jeweled bosses in the compartments framed by the arms of the cross, extend the expressive style of the Utrecht Psalter illustrations into another medium and a later moment. Jesus, on the other hand, has been modeled in a more rounded and calmer Classical style. He seems almost to be standing in front of the cross—straight, wide-eyed, with outstretched arms, as if to prefigure his ultimate triumph over death. The flourishes of blood that emerge from his wounds are almost decorative. There is little, if any sense of his suffering.

### OTTONIAN EUROPE

In 843, the Carolingian Empire was divided into three parts, ruled by three grandsons of Charlemagne. One of them was Charles the Bald, whom we have already encountered (SEE FIG. 14–12). Another, Louis the German, took the eastern portion, and when his family died out at the beginning of the tenth century, a new

Saxon dynasty came to power in lands corresponding roughly to present-day Germany and Austria. We call this dynasty Ottonian after its three principal rulers-Otto I (r. 936–973), Otto II (r. 973–983), and Otto III (r. 994–1002; queens Adelaide and Theophanu had ruled as regents for him, 983-994). After the Ottonian armies defeated the Vikings in the north and the Magyars (Hungarians) on the eastern frontiers, the resulting peace permitted increased trade and the growth of towns, making the tenth century a period of economic recovery. Then, in 951, Otto I added northern Italy to his domain by marrying the widowed Lombard Queen Adelaide. He also re-established Charlemagne's Christian Roman Empire by being crowned emperor by the pope in 962. The Ottonians and their successors so dominated the papacy and appointments to other high church offices that in the twelfth century this union of Germany and Italy under a German ruler came to be known as the Holy Roman Empire. The empire survived in modified form as the Habsburg Empire into the early twentieth century.

The Ottonian ideology, rooted in unity of Church and state, takes visual form on an ivory plaque, one of several that may once have been part of the decoration of an altar or pulpit presented to Magdeburg Cathedral at the time of its dedication in 968 (FIG. 14–20). Otto I presents a model of the cathedral to Christ and St. Peter. Hieratic scale demands that the mighty emperor be represented as a tiny, doll-like figure, and that the saints and angels, in turn, be taller than Otto but smaller than Christ. Otto is embraced by the patron saint of this church, St. Maurice, who was a third-century military commander martyred for refusing to

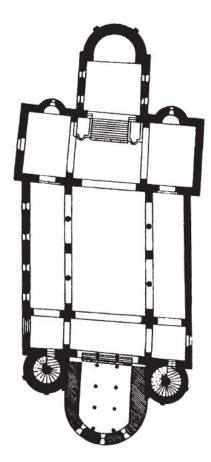
worship pagan gods. The cathedral Otto holds is a basilica with prominent clerestory windows and a rounded apse that, like the character of the Carolingian basilicas before it, was intended to recall the churches of Rome.

#### OTTONIAN ARCHITECTURE

As we have just seen, Ottonian rulers, in keeping with their imperial status, sought to replicate the splendors both of the Christian architecture of Rome and of the Christian empire of their Carolingian predecessors. German officials knew Roman basilicas well, since the German court in Rome was located near the Early Christian church of Santa Sabina (SEE FIGS. 7–8, 7–9). The buildings of Byzantium were another important influence, especially after Otto II married a Byzantine princess, cementing a tie with the East. But large timber-roofed basilicas were terribly vulnerable to fire. Magdeburg Cathedral burned down in 1008, only 40 years after its dedication; it was rebuilt in 1049, burned down again in 1207, and was rebuilt yet again. In 1009, the Cathedral of Mainz burned down on the day of its consecration. The church of St. Michael at Hildesheim was destroyed in World War II. Luckily the convent church of St. Cyriakus at Gernrode, Germany, still survives.

THE CONVENT CHURCH OF ST. CYRIAKUS IN GERNRODE. During the Ottonian Empire, aristocratic women often held positions of authority, especially as leaders of religious communities. When, in 961, the provincial military governor Gero founded the convent and church of St. Cyriakus, he made his widowed daughter-in-law the convent's first abbess. The church was designed as a basilica with a westwork flanked by circular towers (FIG. 14-21). At the eastern end of the church a transept with chapels led to a choir with an apse built over a crypt.

Like an Early Christian or Carolingian basilica, the interior of St. Cyriakus (FIG. 14-22) has a nave flanked by side aisles. But the design of the three-level wall elevation—nave arcade, gallery, and clerestory-creates a rhythmic effect distinct from the uniformity that had characterized earlier basilicas. Rectangular piers alternate with round columns in the two levels of arcades, and at gallery level, pairs of openings are framed by larger arches and then grouped in threes. The central rectangular piers, aligned on the two levels, bisect the walls vertically into two units, each composed of two broad arches of the nave arcade surmounted by three pairs of arches at the gallery level. This seemingly simple design, with its rhythmic alternation of heavy and light supports, its balance of rectangular and rounded forms, and its combination of horizontal and vertical movements, seems to prefigure the aesthetic exploration of wall design that will characterize the Romanesque architecture of the next two centuries.



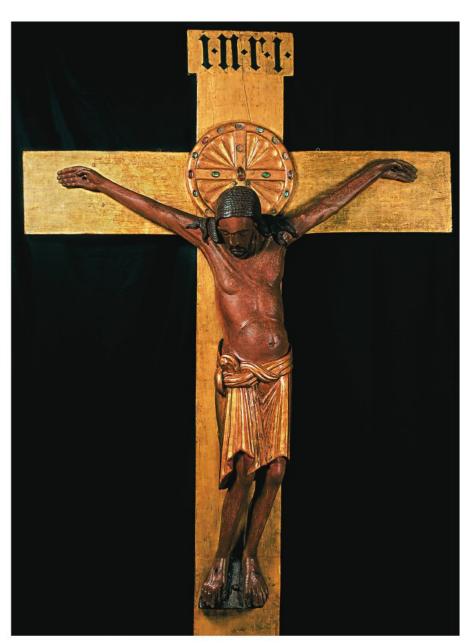
14-21 • PLAN OF THE CHURCH OF ST. CYRIAKUS, GERNRODE Germany. Begun 961; consecrated 973.



14-22 • NAVE, CHURCH OF ST. CYRIAKUS, GERNRODE

#### OTTONIAN SCULPTURE

Ottonian sculptors worked in ivory, bronze, wood, and other materials rather than stone. Like their Early Christian and Byzantine predecessors, they and their patrons focused on church furnishings and portable art rather than architectural sculpture. Drawing on Roman, Early Christian, Byzantine, and Carolingian models, they created large works in wood and bronze that would have a significant influence on later medieval art.



14-23 • GERO CRUCIFIX

Cologne Cathedral, Germany. c. 970. Painted and gilded wood, height of figure 6'2" (1.88 m).

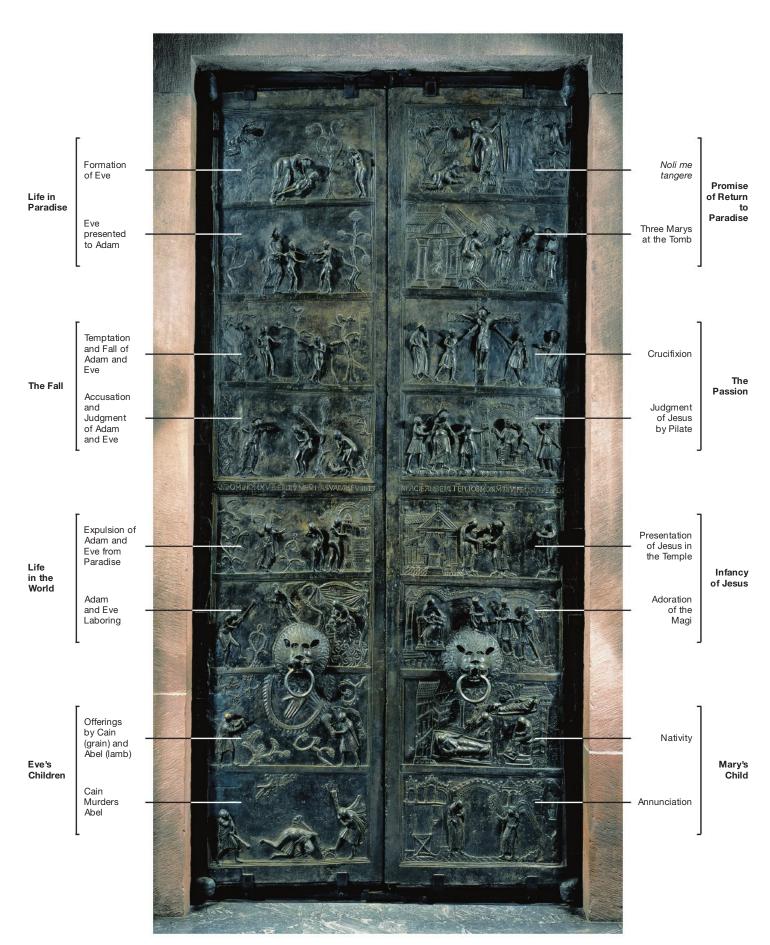
This life-size sculpture is both a crucifix to be suspended over an altar and a special kind of reliquary. A cavity in the back of the head was made to hold a piece of the Host, or communion bread, already consecrated by the priest. Consequently, the figure not only represents the body of the dying Jesus but also contains a "relic" of the Eucharistic body of Christ. In fact, the Ottonian chronicle of Thietmar of Meresburg (written 1012–1018) claims that Gero himself placed a consecrated Host, as well as a fragment of the true cross, in a crack that formed within the head of this crucifix and prayed that it be closed, which it was.

THE GERO CRUCIFIX. The **GERO CRUCIFIX** is one of the few large works of carved wood to survive from the early Middle Ages (FIG. 14–23). Archbishop Gero of Cologne (archbishop 969–976) commissioned the sculpture for his cathedral about 970. The figure of Christ is life-size and made of painted and gilded oak. The focus here is on Jesus' human suffering. He is shown as a tortured martyr, not as the triumphant hero of the Lindau Gospels cover (SEE FIG. 14–19). Jesus' broken body sags on the cross and his head falls

forward, eyes closed. The straight, linear fall of his golden drapery heightens the impact of his drawn face, emaciated arms and legs, sagging torso, and limp, bloodied hands. This is a poignant image of distilled anguish, meant to inspire pity and awe in the empathetic responses of its viewers.

THE HILDESHEIM DOORS. Under the last of the Ottonian rulers, Henry II and Queen Kunigunde (r. 1002-1024), Bishop Bernward of Hildesheim emerged as an important patron. His biographer, the monk Thangmar, described Bernward as a skillful goldsmith who closely supervised the artisans working for him. Bronze doors made under his direction for the abbey church of St. Michael in Hildesheimand installed by him, according to the doors' inscription, in 1015—represented the most ambitious and complex bronze-casting project undertaken since antiquity (FIG. 14-24). Each door, including the impressive lion heads holding the ring handle, was cast as a single piece in the lost-wax process (see page 413) and later detailed and reworked with chisels and fine tools. Rounded and animated figures populate spacious backgrounds. Architectural elements and features of the landscape are depicted in lower relief, so that the figures stand out prominently, with their heads fully modeled in three dimensions. The result is lively, visually stimulating, and remarkably spontaneous for so monumental an undertaking.

The doors, standing more than 16 feet tall, portray scenes from the Hebrew Bible on the left (reading down from the creation of Eve at the top to Cain's murder of Abel at the bottom) and New Testament scenes on the right (reading upward from the Annunciation at the bottom to the *Noli me tangere* at the top). In each pair of scenes across from each other, the Hebrew Bible event is meant to present a prefiguration of or complement to the adjacent



14-24 • DOORS OF BISHOP BERNWARD
Abbey church of St. Michael, Hildesheim, Germany. 1015. Bronze, height 16'6" (5 m).

EARLY MEDIEVAL ART IN EUROPE

New Testament event. For instance, the third panel down on the left shows Adam and Eve picking the forbidden fruit of knowledge in the Garden of Eden, believed by Christians to be the source of human sin, suffering, and death. This paired scene on the right shows the Crucifixion of Jesus, whose sacrifice was believed to have atoned for Adam and Eve's original sin, bringing the promise of eternal life. At the center of the doors, six panels down—between the door pulls—Eve (left) and Mary (right) sit side by side, holding their sons. Cain (who murdered his brother) and Jesus (who was un justly executed) signify the opposition of evil and good, damnation and salvation. Other telling pairs are the murder of Abel (the first sin) with the Annunciation (the advent of salvation) at the bottom, and, fourth from the top, the passing of blame from Adam and Eve to the serpent paired with Pilate washing his hands of any responsibility in the execution of Jesus.

arch-shape aura that silhouettes St. Walpurga. The energetic spontaneity of the painting style suffuses the scene with a sense of religious fervor appropriate to the visionary saintly encounter.

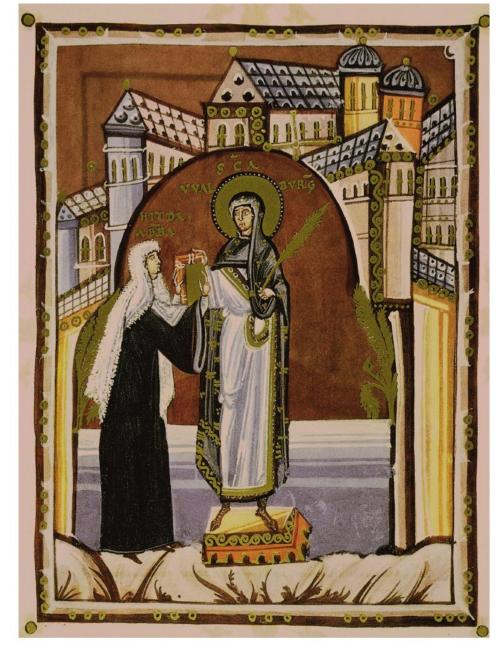
THE GOSPELS OF OTTO III. This Gospel book, made in a German monastery near Reichenau about 1000, shows another Ottonian painting style, in this case inspired by Byzantine art in the use of sharply outlined drawing and lavish fields of gold (FIG. 14–26). Backed by a more controlled and balanced architectural canopy than that sheltering Hitda and St. Walpurga, these tall, slender men gesture dramatically with long, thin fingers. The scene captures the moment when Jesus washes the feet of his disciples during their final meal together (John 13:1–17). Peter, who had tried to stop his Savior from performing this ancient ritual of hospitality, appears at left, one leg reluctantly poised over the basin,

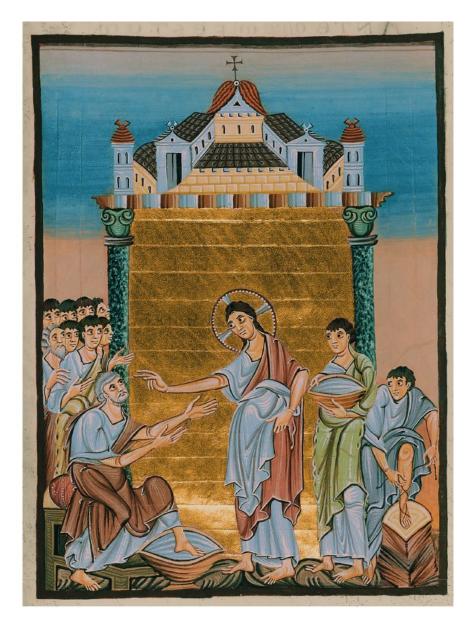
#### **ILLUSTRATED BOOKS**

Like their Carolingian predecessors, Ottonian monks and nuns created richly illuminated manuscripts, often funded by secular rulers. Styles varied from place to place, depending on the traditions of the particular scriptorium and the models available in its library.

THE HITDA GOSPELS. The presentation page of a Gospel book made in the early eleventh century for Abbess Hitda (d. 1041) of Meschede, near Cologne (FIG. 14-25) represents one of the most distinctive local styles. The abbess herself appears here, offering the book to St. Walpurga, her convent's patron saint. The artist has angled the buildings of the sprawling convent in the background to frame the figures and draw attention to their interaction. The size of the architectural complex underscores the abbess's position of authority. The foreground setting—a rocky, undulating strip of landscape—is meant to be understood as holy ground, separated from the rest of the world by golden trees and the huge

14-25 • PRESENTATION PAGE WITH ABBESS HITDA AND ST. WALPURGA, HITDA GOSPELS Early 11th century. Ink and colors on vellum, 1136 × 556" (29 × 14.2 cm). Hessische Lanesund Hochschulbibliothek, Darmstadt, Germany.





14-26 • PAGE WITH CHRIST WASHING THE FEET OF HIS DISCIPLES, AACHEN GOSPELS OF OTTO III

c. 1000. Ink, gold, and colors on vellum, approx.  $8\times6''$  (20.5  $\times$  14.5 cm). Staatsbibliothek, Munich. Nr. 15131, Clm 4453, fol. 237r

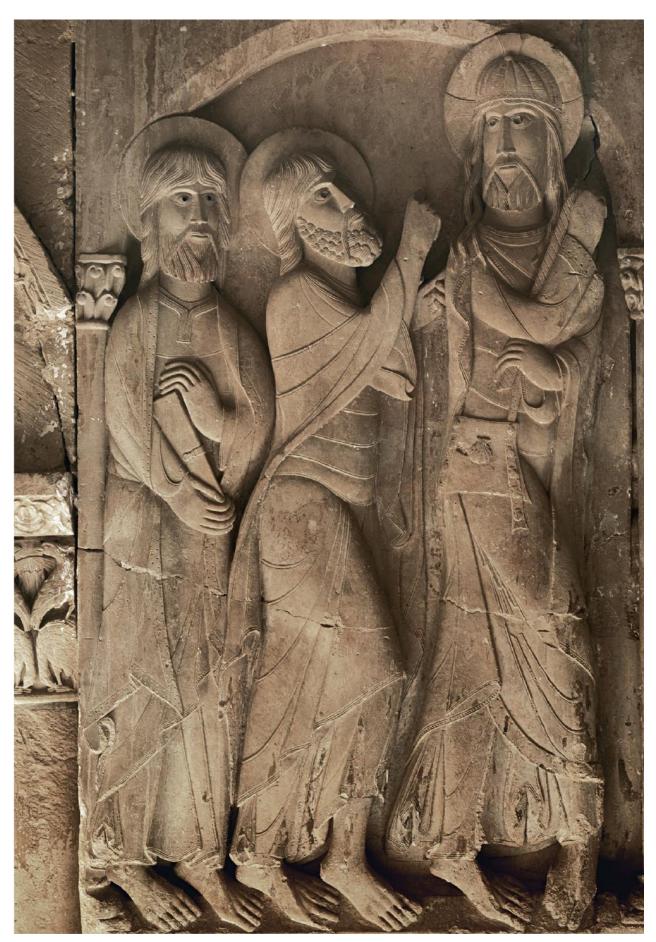
while a centrally silhouetted and slightly overscale Jesus gestures emphatically to underscore the necessity and significance of the act. Another disciple, at far right, enthusiastically lifts his leg to untie his sandals so he can be next in line. Selective stylization has allowed the artist of this picture to transform the received Classical tradition into a style of stunning expressiveness and narrative power, features that will also characterize the figural styles associated with the Romanesque.

### THINK ABOUT IT

14.1 Briefly outline how illuminated manuscripts were made and used in the early medieval period. Then trace the source of two motifs in the Chi Rho page of the Book of Kells (FIG. 14–1) in pre-Christian ornamental styles.

- **14.2** Explain the reference to ancient Roman tradition in the small bronze portrait of a Carolingian emperor in Fig. 14–12.
- **14.3** Compare and contrast representations of the Gospel author Matthew in two books covered in this chapter.
- 14.4 Characterize the style of painting that developed in Spain for the illustration of commentaries on the Apocalypse. Focus your answer on a specific example discussed in this chapter.
- 14.5 How does the Saint Gall Plan represent the organization of the medieval monastery in relation to its function as a retreat from the secular world as well as in relationship to the secular world?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**15–1 • CHRIST AND DISCIPLES ON THE ROAD TO EMMAUS**Cloister of the Abbey of Santo Domingo, Silos, Castile, Spain. Pier relief, figures nearly life-size. c. 1100.

## ROMANESQUE ART

These three men seem to glide forward on tiptoe as their leader turns back, reversing their forward movement (FIG. 15–1). Their bodies are sleek; legs cross in languid curves rather than vigorous strides; their shoulders, elbows, and finger joints seem to melt; draperies delicately delineate curving contours; bearded faces stare out with large, wide eyes under strong, arched brows. The figures interrelate and interlock, pushing against the limits of the architectural frame.

Medieval viewers would have quickly identified the leader as Christ, not only by his commanding size, but specifically by his cruciform halo. The sanctity of his companions is signified by their own haloes. The scene recalls to faithful Christians the story of the resurrected Christ and two of his disciples on the road from Jerusalem to Emmaus (Luke 24:13-35). Christ has the distinctive attributes of a medieval pilgrim—a hat, a satchel, and a walking stick. Even the scallop shell on his satchel is the badge worn by pilgrims to a specific site: the shrine of St. James at Santiago de Compostela. Early pilgrims reaching this destination in the far northwestern corner of the Iberian peninsula continued to the coast to pick up a shell as evidence of their journey. Soon shells were gathered (or fabricated from metal as brooches) and sold to the pilgrims—a lucrative business for both the sellers and the church. On the return journey home, the shell became the pilgrims' passport, a

badge attesting to their piety and accomplishment. Other distinctive badges were adopted at other pilgrimage sites.

This relief was carved on a corner pier in the cloister of the Monastery of Santo Domingo in Silos, a major eleventh- and twelfth-century center of religious and artistic life south of the pilgrimage road across Spain (see "The Pilgrim's Journey," page 458). It engaged an audience of monks and religious pilgrims-who were well versed in the meaning of Christian images-through a new sculptural style that we call Romanesque. Not since the art of ancient Rome half a millennium earlier had sculptors carved monumental figures in stone within an architectural fabric. During the early Middle Ages, sculpture was small-scale, independent, and created from precious materials-a highlighted object within a sacred space rather than a part of its architectural envelope. But during the Romanesque period, narrative and iconic figural imagery in deeply carved ornamental frameworks would collect around the entrances to churches, focusing attention on their compelling portal complexes. These public displays of Christian doctrine and moral teaching would have been part of the cultural landscape surveyed by pilgrims journeying along the road to Santiago. Travel as a pilgrim opened the mind to a world beyond the familiar towns and agricultural villages of home, signaling a new era in the social, economic, and artistic life of Europe.

### **LEARN ABOUT IT**

- 15.1 Explore the emergence of Romanesque architecture with its emphasis on the aesthetic qualities of a sculptural wall —out of early masonry construction techniques.
- **15.2** Assess the impact of pilgrimage as a cultural phenomenon on the design and embellishment of church architecture.
- **15.3** Compare and contrast Romanesque architectural styles in different regions of Europe.
- **15.4** Investigate the integration of painting and sculpture within the Romanesque building, and consider the implications of placing art on the church exterior and what theological themes were emphasized.
- **15.5** Explore the eleventh- and twelfth-century interest in telling stories of human frailty and sanctity in sculpture, textiles, and manuscript painting—stories that were meant to appeal to the feelings as well as to the minds of the viewers.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

### EUROPE IN THE ROMANESQUE PERIOD

At the beginning of the eleventh century, Europe was still divided into many small political and economic units ruled by powerful families, such as the Ottonians in Germany (MAP 15–1). The nations we know today did not exist, although for convenience we shall use present-day names of countries. The king of France ruled only a small area around Paris known as the Île-de-France. The southern part of modern France had close linguistic and cultural ties to northern Spain; in the north the duke of Normandy (heir of the Vikings) and in the east the duke of Burgundy paid the French king only token homage.

When in 1066 Duke William II of Normandy (r. 1035–1087) invaded England and, as William the Conqueror, became that country's new king, Norman nobles replaced the Anglo-Saxon nobility there, and England became politically and culturally allied with Normandy As astute and skillful administrators, the Normans formed a close alliance with the Church, supporting it with grants of land and gaining in return the allegiance of abbots and bishops. Normandy became one of Europe's most powerful feudal domains. During this period, the Holy Roman Empire, re-established by the Ottonians, encompassed much of Germany and northern Italy, while the Iberian peninsula remained divided between Muslim rulers in the south and Christian rulers in the north. By 1085, Alfonso VI of Castile and León (r. 1065-1109) had conquered the Muslim stronghold of Toledo, a center of Islamic and Jewish culture in the kingdom of Castile. Catalunya (Catalonia) emerged as a power along the Mediterranean coast.

By the end of the twelfth century, however, a few exceptionally intelligent and aggressive rulers had begun to create national states. The Capetians in France and the Plantagenets in England were especially successful. In Germany and northern Italy, the power of local rulers and towns prevailed, and Germany and Italy remained politically fragmented until the nineteenth century.

#### POLITICAL AND ECONOMIC LIFE

Although towns and cities with artisans and merchants grew in importance, Europe remained an agricultural society, with land the primary source of wealth and power for a hereditary aristocracy. In France and England in particular, social, economic, and political relations were governed by a system commonly referred to as "feudalism." Arrangements varied considerably from place to place, but typically a landowning lord granted property and protection to a subordinate, called a vassal. In return, the vassal pledged allegiance and military service to the lord. Peasants worked the land in exchange for a place to live, military protection, and other services from the lord. Allegiances and obligations among lords, vassals, and peasants were largely inherited but constantly shifting.

#### THE CHURCH

In the early Middle Ages, Church and state had forged some fruitful alliances. Christian rulers helped ensure the spread of

Christianity throughout Europe and supported monastic communities with grants of land. Bishops and abbots were often royal relatives, younger brothers and cousins, who supplied crucial social and spiritual support and a cadre of educated administrators. As a result, secular and religious authority became tightly intertwined, and this continued through the Romanesque period. Monasteries continued to sit at the center of European culture, but there were two new cultural forces fostered by the Church: pilgrimages and crusades.

MONASTICISM. Although the first universities were established in the eleventh and twelfth centuries in the growing cities of Bologna, Paris, Oxford, and Cambridge, monastic communities continued to play a major role in intellectual life. Monks and nuns also provided valuable social services, including caring for the sick and destitute, housing travelers, and educating the elite. Because monasteries were major landholders, abbots and priors were part of the feudal power structure. The children of aristocratic families joined religious orders, helping forge links between monastic communities and the ruling elite.

As life in Benedictine communities grew increasingly comfortable and intertwined with the secular world, reform movements arose. Reformers sought a return to earlier monastic austerity and spirituality. The most important groups of reformers for the arts were the Burgundian congregation of Cluny, established in the tenth century, and later the Cistercians, who sought reform of what they saw as Cluniac decadence and corruption of monastic values.

PILGRIMAGES. Pilgrimages to the holy places of Christendom—Jerusalem, Rome, and Santiago de Compostela—increased, despite the great physical hardships they entailed (see "The Pilgrim's Journey," page 458). As difficult and dangerous as these journeys were, rewards awaited courageous travelers along the routes. Pilgrims could venerate the relics of local saints during the journey, and artists and architects were commissioned to create spectacular and enticing new buildings and works of art to capture their attention.

CRUSADES. In the eleventh and twelfth centuries, Christian Europe, previously on the defensive against the expanding forces of Islam, became the aggressor. In Spain, Christian armies of the north were increasingly successful against the Islamic south. At the same time, the Byzantine emperor asked the pope for help in his war with the Muslims surrounding his domain. The Western Church responded in 1095 by launching a series of holy wars, military offensives against Islamic powers known collectively as the crusades (from the Latin *crux*, referring to the cross crusaders wore).

This First Crusade was preached by Pope Urban II (pontificate 1088–1099) and fought by the lesser nobility of France, who had economic and political as well as spiritual objectives. The crusaders



MAP 15-1 • EUROPE IN THE ROMANESQUE PERIOD

Although a few large political entities began to emerge in places like England and Normandy, Burgundy, and León/Castile, Europe remained a land of small economic entities. Pilgrimages and crusades acted as unifying international forces.

captured Jerusalem in 1099 and established a short-lived kingdom. The Second Crusade in 1147, preached by St. Bernard and led by France and Germany, accomplished nothing. The Muslim leader Saladin united the Muslim forces and captured Jerusalem in 1187, inspiring the Third Crusade, led by German, French, and English kings. The Christians recaptured some territory, but not Jerusalem, and in 1192 they concluded a truce with the Muslims, permitting the Christians access to the shrines in Jerusalem. Although the crusades were brutal military failures, the movement had farreaching cultural and economic consequences, providing western Europeans with direct encounters with the more sophisticated material culture of the Islamic world and the Byzantine Empire. This in turn helped stimulate trade, and with trade came the development of an increasingly urban society during the eleventh and twelfth centuries.

### ROMANESQUE ART

The word "Romanesque," meaning "in the Roman manner," was coined in the early nineteenth century to describe early medieval European church architecture, which often displayed the solid masonry walls and rounded arches and vaults characteristic of imperial Roman buildings. Soon the term was applied to all the arts of the period from roughly the mid-eleventh century to the second half of the twelfth century, even though that art derives from a variety of sources and reflects a multitude of influences, not just Roman.

This was a period of great building activity in Europe. New castles, manor houses, churches, and monasteries arose everywhere. As one eleventh-century monk put it, the Christian faithful were so relieved to have passed through the apocalyptic anxiety that had gripped their world at the millennial change around the year 1000,

that, in gratitude, "Each people of Christendom rivaled with the other, to see which should worship in the finest buildings. The world shook herself, clothed everywhere in a white garment of churches" (Radulphus Glaber, cited in Holt, vol. I, p. 18) (SEE FIG. 15–2). The desire to glorify the house of the Lord and his saints (whose earthly remains in the form of relics kept their presence alive in the minds of the people) increased throughout Christendom. There was a veritable building boom.

## **ARCHITECTURE**

Romanesque architecture and art is a trans-European phenomenon, but it is inflected regionally, and the style varies in character from place to place. Although timber remained common in construction, Romanesque builders used stone masonry whenever possible. Masonry vaults were stronger and more durable, and they enhanced the acoustical effect of the Gregorian chants (plainsong, named after



15-2 • SAINT-MARTIN-DU-CANIGOU French Pyrenees. 1001–1026.

Pope Gregory the Great, pontificate 590–604) sung inside. Tall stone towers, at times flanking the main entrance portal, marked the church as the most important building in the community. The portals themselves were often encrusted with sculpture that broadcast the moral and theological messages of the Church to a wide public audience.

#### "FIRST ROMANESQUE"

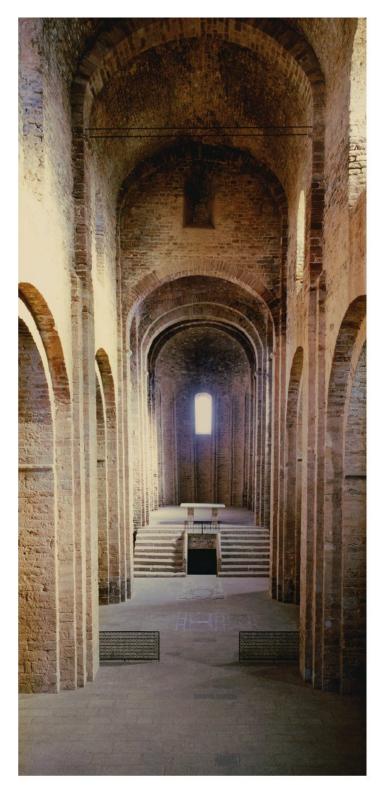
Soon after the year 1000—while Radulphus Glaber was commenting on the rise of church building across the land—patrons and builders in Catalunya (northeast Spain), southern France, and northern Italy were already constructing all-masonry churches, employing the methods of late Roman builders. The picturesque Benedictine monastery of **SAINT-MARTIN-DU-CANIGOU**, nestled into the Pyrenees on a building platform stabilized by strongly buttressed retaining walls, is a typical example (FIG. 15–2). Patronized by the local Count Guifred, who took refuge in the monastery and died here in 1049, the complex is capped by a massive stone tower sitting next to the sanctuary of the two-story church. Art historians call such early stone-vaulted buildings "First Romanesque," employing the term that Catalan architect and theorist Josep Puig I Cadafalch first associated with them in 1928.

THE CHURCH OF SANT VINCENC, CARDONA. One of the finest examples of "First Romanesque" is the **CHURCH OF SANT WINCENC** (St. Vincent) in the Catalan castle of Cardona (FIG. 15–3). Begun in the 1020s, it was consecrated in 1040. Castle residents entered the church through a two-story narthex into a nave with low narrow side aisles that permitted clerestory windows in the nave wall. The sanctuary was raised dramatically over an aisled crypt. The Catalan masons used local materials—small split stones, bricks, even river pebbles, and very strong mortar—to raise plain walls and round barrel or groin vaults. Today we can admire their skillful stonework both inside and out, but the builders originally covered their masonry with a facing of stucco.

To strengthen the walls and vaults, the masons added vertical bands of masonry (called strip buttresses) joined by arches and additional courses of masonry to counter the outward thrust of the vault and to enrich the sculptural quality of the wall. On the interior these masonry strips project from the piers and continue up and over the vault, creating a **transverse arch**. Additional projecting bands line the underside of the arches of the nave arcade. The result is a compound pier that works in concert with the transverse arches to divide the nave into a series of bays. This system of bay division became standard in Romanesque architecture. It is a marked contrast to the flat-wall continuity and undivided space within a pre-Romanesque church like Gernrode (SEE FIG. 14–22).

#### PILGRIMAGE CHURCHES

The growth of a cult of relics and the desire to visit shrines such as St. Peter's in Rome or St. James's in Spain increasingly inspired the Christians of western Europe to travel on pilgrimages (see



15-3 • INTERIOR, CHURCH OF SANT VINCENC, CARDONA

1020s-1030s.

"The Pilgrim's Journey," page 458). To accommodate the faithful and proclaim church doctrine, many monasteries on the major pilgrimage routes built large new churches, filled them with sumptuous altars and reliquaries, and encrusted them with elaborate stone sculpture on the exterior around entrances.



## ART AND ITS CONTEXTS

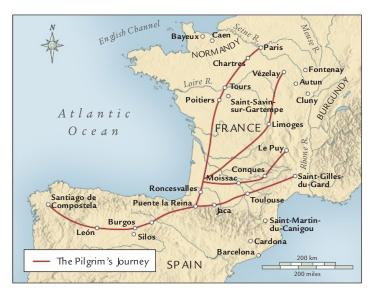
## The Pilgrim's Journey

Western Europe in the eleventh and twelfth centuries saw an explosive growth in the popularity of religious pilgrimage. The rough roads that led to the most popular destinations—the tomb of St. Peter and other martyrs in Rome, the church of the Holy Sepulcher in Jerusalem, and the Cathedral of St. James in Santiago de Compostela in the northwest corner of Spain—were often crowded with pilgrims. Their journeys could last a year or more; church officials going to Compostela were given 16 weeks' leave of absence. Along the way the pilgrims had to contend with bad food and poisoned water, as well as bandits and dishonest innkeepers and merchants.

In the twelfth century, the priest Aymery Picaud wrote a guidebook for pilgrims on their way to Santiago through what is now France. Like travel guides today, Picaud's book provided advice on local customs, comments on food and the safety of drinking water, and a list of useful words in the Basque language. In Picaud's time, four main pilgrimage routes crossed France, merging into a single road in Spain at Puente la Reina and leading on from there through Burgos and León to Compostela. Conveniently spaced monasteries and churches offered food and lodging, as well as relics to venerate. Roads and bridges were maintained by a guild of bridge builders and guarded by the Knights of Santiago.

Picaud described the best-traveled routes and most important shrines to visit along the way. Chartres, for example, housed the tunic that the Virgin was said to have worn when she gave birth to Jesus. The monks of Vézelay had the bones of St. Mary Magdalen, and at

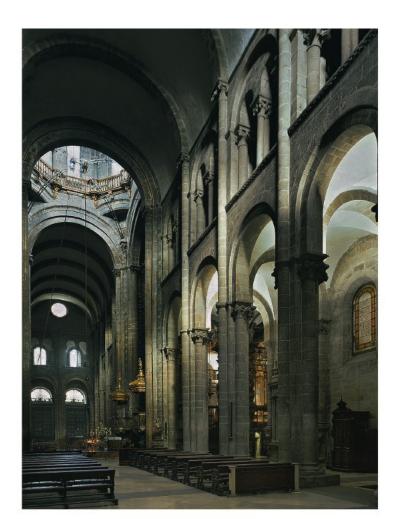
Conques, the skull of Sainte Foy was to be found. Churches associated with miraculous cures—Autun, for example, which claimed to house the relics of Lazarus, raised by Jesus from the dead—were filled with the sick and injured praying to be healed.



MAP 15-2 • THE PILGRIMAGE ROUTES TO SANTIAGO DE COMPOSTELA

THE CATHEDRAL OF ST. JAMES IN SANTIAGO DE COMPOSTELA. One major goal of pilgrimage was the CATHEDRAL OF ST. JAMES IN SANTIAGO DE COMPOSTELA (FIG. 15-4), which held the body of St. James, the apostle to the Iberian peninsula. Builders of this and other major churches along the roads leading through France to the shrine developed a distinctive plan designed to accommodate the crowds of pilgrims and allow them to move easily from chapel to chapel in their desire to venerate relics (see "Relics and Reliquaries," page 462). This "pilgrimage plan" is a model of functional planning and traffic control. To the aisled nave the builders added aisled transepts with eastern chapels leading to an ambulatory (curving walkway) with additional radiating chapels around the apse (FIGS. 15-5, 15-6). This expansion of the basilican plan allowed worshipers to circulate freely around the church's perimeter, visiting chapels and venerating relics without disrupting services within the main space.

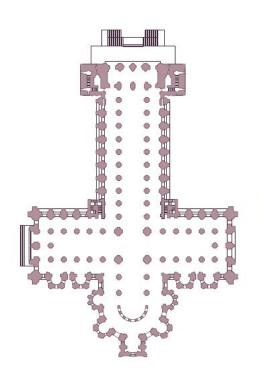
At Santiago, pilgrims entered the church through the large double doors at the ends of the transepts rather than through the western portal, which served ceremonial processions. Pilgrims from France entered the north transept portal; the approach from the town was through the south portal. All found themselves in a transept in which the design exactly mirrored the nave in height and structure. Both nave and transept have two stories an arcade and a gallery. Compound piers with attached halfcolumns on all four sides support the immense barrel vault and are projected over it vertically through a rhythmic series of transverse arches. They give sculptural form to the interior walls and also mark off individual vaulted bays in which the sequence is as clear and regular as the ambulatory chapels of the choir. Three different kinds of vaults are used here: barrel vaults with transverse arches cover the nave, groin vaults span the side aisles, and halfbarrel or quadrant vaults cover the galleries and strengthen the building by countering the outward thrust of the high nave vaults and transferring it to the outer walls and buttresses. Without a clerestory, light enters the nave only indirectly, through windows in the outer walls of the aisles and upper-level galleries that overlook the nave. Light from the choir clerestory and the large windows of an octagonal lantern tower (a structure built above the height of the main ceiling with windows that illuminate the space below) over the crossing would therefore spotlight the



## 15-4 • TRANSEPT, CATHEDRAL OF ST. JAMES, SANTIAGO DE COMPOSTELA

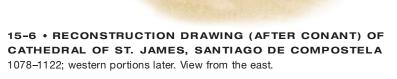
Galicia, Spain. 1078-1122. View toward the crossing.

SEE MORE: Click the Google Earth link for the Cathedral of Saint James, Santiago de Compostela www.myartslab.com

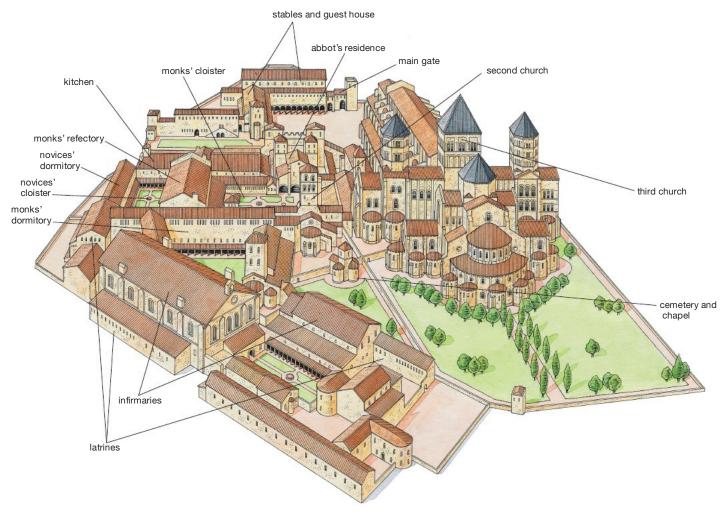


15-5 • PLAN OF CATHEDRAL OF ST. JAMES, SANTIAGO DE COMPOSTELA

SEE MORE: View a video about the Cathedral of Saint James, Santiago de Compostela www.myartslab.com



**EXPLORE MORE:** Gain insight from primary sources related to the Cathedral of Saint James, Santiago de Compostela www.myartslab.com



15-7 • RECONSTRUCTION DRAWING OF THE ABBEY AT CLUNY

Burgundy, France. 1088-1130. View from the east.

EXPLORE MORE: Gain insight from a primary source related to the abbey at Cluny www.myartslab.com

glittering gold and jeweled shrine of the principal relic at the high altar.

In its own time, Santiago was admired for the excellence of its construction—"not a single crack is to be found," according to the twelfth-century pilgrims' guide—"admirable and beautiful in execution…large, spacious, well-lighted, of fitting size, harmonious in width, length, and height…." Pilgrims arrived at Santiago de Compostela weary after weeks of difficult travel through dense woods and mountains. Grateful to St. James for his protection along the way, they entered a church that welcomed them with open portals, encrusted with the dynamic moralizing sculpture that characterized Romanesque churches. The cathedral had no doors to close—it was open day and night.

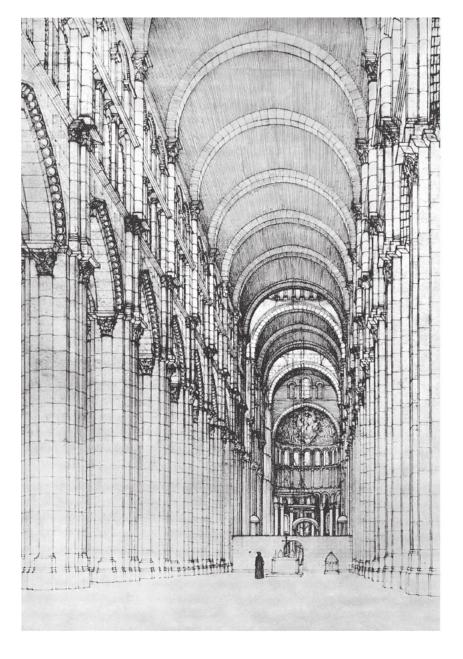
#### **CLUNY**

In 909, the duke of Burgundy gave land for a monastery to Benedictine monks intent on strict adherence to the original rules of St. Benedict. They established the reformed congregation of Cluny. From its foundation, Cluny had a special independent status; its abbot answered directly to the pope in Rome rather than to the local bishop or feudal lord. This unique freedom, jealously safeguarded by a series of long-lived and astute abbots, enabled Cluny to keep the profits from extensive gifts of land and treasure. Independent, wealthy, and a center of culture and learning, Cluny and its affiliates became important patrons of architecture and art.

The monastery of Cluny was a city unto itself. By the second half of the eleventh century, there were some 200 monks in residence, supplemented by troops of laymen on whom they depended for material support. As we have seen in the Saint Gall plan of the Carolingian period (SEE FIG. 14–16), the cloister lay at the center of the monastic community, joining the church with domestic buildings and workshops (FIG. 15–7). In wealthy monasteries like this, the arcaded galleries of the cloister had elaborate carved capitals as well as relief sculpture on piers (SEE FIG. 15–1). The capitals may have served as memory devices or visualized theology to direct and inspire the monks' thoughts and prayers.

Cluniac monks observed the traditional eight Hours of the Divine Office (including prayers, scripture readings, psalms, and hymns) spread over the course of each day and night. Mass was celebrated after the third hour (terce), and the Cluniac liturgy was especially elaborate. During the height of its power, plainsong (or Gregorian chant) filled the church with music 24 hours a day.

The hallmark of Cluny—and the Cluniac churches of its host of dependent monasteries—was careful and elegant design that combined the needs of the monks with the desires of pilgrims to visit shrines and relics. They were also notable for their fine stone masonry with rich sculptured and painted decoration. In their homeland of Burgundy, the churches were distinguished by their use of classicizing elements from Roman art, such as fluted pilasters and Corinthian capitals. Cluniac monasteries elsewhere, however, were free—and perhaps even encouraged—to follow regional traditions and styles.



THE THIRD CHURCH AT CLUNY. The original church at Cluny, a small barnlike building, was soon replaced by a basilica with two towers and narthex at the west and a choir with tower and chapels at the east. Hugh de Semur, abbot of Cluny for 60 years (1049-1109), began rebuilding the abbey church for the third time in 1088 (FIGS. 15-7, 15-8). Money paid in tribute by Muslims to victorious Christians in Spain financed the building. When King Alfonso VI of León and Castile captured Toledo in 1085, he sent 10,000 pieces of gold to Cluny. The church (known to art historians as Cluny III because it was the third building at the site) was the largest in Europe when it was completed in 1130: 550 feet long, with five aisles like Old St. Peter's in Rome. Built with superbly cut masonry, and richly carved, painted, and furnished, Cluny III was a worthy home for the relics of St. Peter and St. Paul, which the monks had acquired from the church of St. Paul's Outside the Walls in Rome. It was also a fitting headquarters for a

monastic order that had become so powerful within Europe that popes were chosen from its ranks.

In simple terms, the church was a basilica with five aisles, double transepts with chapels, and an ambulatory and radiating chapels around the high altar. The large number of chapels was necessary so that each monk-priest had an altar at which to perform the services of daily Mass. Octagonal towers over the two crossings and additional towers over the transept arms created a dramatic pyramidal design at the east end. The nave had a three-part elevation. A nave arcade with tall compound piers, faced by pilasters to the inside and engaged columns at the sides, supported pointed arches lined by Classical ornament. At the next level a blind arcade and pilasters created a continuous sculptural strip that could have been modeled on an imperial Roman triumphal monument. Finally, triple clerestory windows in each bay let sunlight directly into the church around its perimeter. The pointed barrel vault with transverse arches rose to a daring height of 98 feet with a span of about 40 feet, made possible by giving the vaults a steep profile, rather than the weaker round profile used at Santiago de Compostela.

The church was consecrated in 1130, but it no longer exists. The monastery was suppressed during the French Revolution, and this grandest of French Romanesque churches was sold stone by stone, transformed into a quarry for building materials. Today the site is an archaeological park, with only one transept arm from the original church still standing.

15-8 • RECONSTRUCTION DRAWING OF THE THIRD ABBEY CHURCH AT CLUNY LOOKING EAST 1088-1130.



## ART AND ITS CONTEXTS

## Relics and Reliquaries

Christians turned to the heroes of the Church, the martyrs who had died for their faith, to answer their prayers and to intercede with Christ on their behalf. In the Byzantine Church, the faithful venerated icons, that is, pictures of the saints, but Western Christians wanted to be close to the saints' actual earthly remains. Scholars in the Church assured the people that the veneration of icons or relics was not idol worship. Bodies of saints, parts of bodies, and things associated with the Holy Family or the saints were kept in richly decorated containers called reliquaries. Reliquaries could be simple boxes, but they might also be given the shape of the relic - the arm of St. John the Baptist, the rib of St. Peter, the sandal of St. Andrew. By the eleventh century, many different arrangements of crypts, chapels, and passageways gave people access to the relics kept in churches. When the Church decided that every altar required a relic, the saints' bodies and possessions were subdivided. In this way relics were multiplied; for example, hundreds of churches held relics of the true cross.

Owning and displaying these relics so enhanced the prestige and wealth of a community that people went to great lengths to acquire them, not only by purchase but also by theft. In the ninth century, for example, the monks of Conques stole the relics of the child martyr Sainte Foy (St. Faith) from her shrine at Agen. Such a theft was called "holy robbery," for the new owners insisted that it had been sanctioned by the saint who had communicated to them her desire to move. In the late ninth or tenth century, the monks of Conques encased their new relic—the skull of Sainte Foy—in a gold and jewel statue whose unusually large head was made from a reused late Roman work. During the eleventh century, they added the crown and more jeweled banding, and, over subsequent centuries, jewels, cameos, and other gifts added by pilgrims continued to enhance the splendor of the statue.

This type of reliquary—taking the form of a statue of the saint—was quite popular in the region around Conques, but not everyone was comfortable with the way these works functioned as cult images. Early in the eleventh century, the learned Bernard of Angers prefaces his tendentious account of miracles associated with the cult of Sainte Foy by confessing his initial misgivings about such reliquaries, specifically the way simple folks adored them. Bernard thought it smacked of idolatry: "To learned people this may seem to be full of superstition, if not unlawful, for it seems as if the rites of the gods of ancient cultures, or that the rites of demons, are being observed" (Book of Sainte Foy, p. 77). But when he witnessed firsthand the interaction of the reliquary statue with the faithful, he altered his position: "For the holy image is consulted not as an idol that requires sacrifices, but because it commemorates a martyr. Since reverence to her honors God on high, it was despicable of me to compare her statue to statues of Venus or Diana. Afterwards I was very sorry that I had acted so foolishly toward God's saint." (ibid., p. 78)



RELIQUARY STATUE OF SAINTE FOY (ST. FAITH)
Abbey church of Conques, Conques, France. Late 9th or 10th century with later additions. Silver gilt over a wood core, with added gems and cameos of various dates. Height 33" (85 cm). Church Treasury, Conques.

#### THE CISTERCIANS

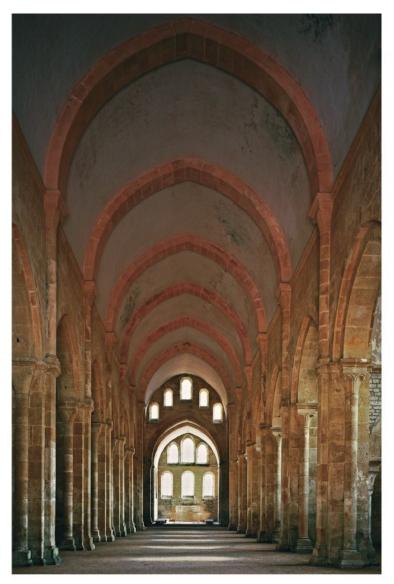
New religious orders devoted to an austere spirituality arose in the late eleventh and early twelfth centuries. Among these were the Cistercians, who spurned Cluny's elaborate liturgical practices and emphasis on the arts, especially sculpture in cloisters (see "St. Bernard and Theophilus: The Monastic Controversy over the Visual Arts," page 464). The Cistercian reform began in 1098 with the founding of the abbey of Cîteaux (Cistercium in Latin, hence the order's name). Led in the twelfth century by the commanding figure of Abbot Bernard of Clairvaux, the Cistercians advocated strict mental and physical discipline and a life devoted to prayer and intellectual pursuits combined with shared manual labor. Like the Cluniacs, however, they did depend on the work of laypeople. To seclude themselves as much as possible from the outside world, the Cistercians settled and reclaimed swamps and forests in the wilderness, where they then farmed and raised sheep. In time, their monasteries could be found from Russia to Ireland.

FONTENAY. Cistercian architecture embodies the ideals of the order—simplicity, austerity, and purity. Always practical, the Cistercians made a significant change to the already very efficient monastery plan. They placed key buildings such as the refectory at right angles to the cloister walk so that the building could easily be extended should the community grow. The cloister fountain was relocated from the center of the cloister to the side, conveniently in front of the refectory, where the monks could wash when coming from their work in the fields for communal meals. For easy access to the sanctuary during their prayers at night, monks entered the church directly from the cloister into the south transept or from the dormitory by way of the "night stairs."

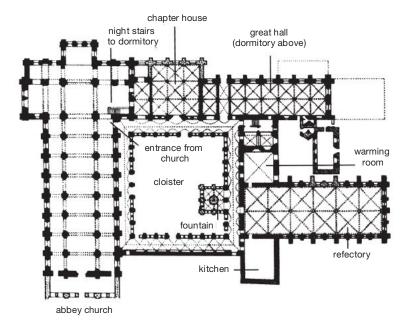
The ABBEY OF FONTENAY in Burgundy is among the best-preserved early Cistercian monasteries. The abbey church, begun in 1139, has a simple geometric plan (FIGS. 15–9, 15–10) with a long bay-divided nave, rectangular chapels off the square-ended transept arms, and a shallow choir with a straight east wall. One of its characteristic features is the use of pointed barrel vaults over the nave and pointed arches in the nave arcade and side-aisle bays. Although pointed arches are usually associated with Gothic architecture, they are actually common in the Romanesque buildings of some regions, including Burgundy (we have already seen them at Cluny). Pointed arches are structurally more stable than round ones, directing more weight down into the floor instead of outward to the walls. Consequently, they can span greater distances at greater heights without collapsing.

## 15-10 • PLAN OF THE ABBEY OF NOTRE-DAME, FONTENAY

Burgundy, France. 1139-1147.



15-9 • NAVE, ABBEY CHURCH OF NOTRE-DAME, FONTENAY 1139-1147.





## ART AND ITS CONTEXTS

## St. Bernard and Theophilus: The Monastic Controversy over the Visual Arts

The twelfth century saw a heated controversy over the place and appropriateness of lavish art in monasteries. In a letter to William of Saint-Thierry, Bernard of Clairvaux wrote:

What excuse can there be for these ridiculous monstrosities in the cloisters where the monks do their reading, extraordinary things at once beautiful and ugly? Here we find filthy monkeys and fierce lions, fearful centaurs, harpies, and striped tigers, soldiers at war, and hunters blowing their horns. Here is one head with many bodies, there is one body with many heads. Over there is a beast with a serpent for its tail, a fish with an animal's head, and a creature that is horse in front and goat behind, and a second beast with horns and the rear of a horse. All round there is such an amazing variety of shapes that one could easily prefer to take one's reading from the walls instead of a book. One could spend the whole day gazing fascinated at these things, one by one, instead of meditating on the law of God. Good Lord, even if the foolishness of it all occasion no shame, a least one might balk at the expense.

(Bernard, "Apologia to Abbot William," p. 66)

"Theophilus" is the pseudonym used by a monk who wrote a book during the first half of the twelfth century on the practice of artistic craft, voiced as a defense of the place of the visual arts within the monastic traditions of work and prayer. The book gives detailed instructions for panel painting, **stained glass** (colored glass assembled into ornamental or pictorial windows), and goldsmithing. In contrast to

the stern warnings of Bernard, perhaps even in response to them, "Theophilus" assured artists that "God delights in embellishments" and that artists worked "under the direction and authority of the Holy Spirit."

He wrote:

Therefore, most beloved son, you should not doubt but should believe in full faith that the Spirit of God has filled your heart when you have embellished His house with such great beauty and variety of workmanship ...

... do not hide away the talent given to you by God, but, working and teaching openly and with humility, you faithfully reveal it to those who desire to learn.

... if a faithful soul should see a representation of the Lord's crucifixion expressed in the strokes of an artist, it is itself pierced; if it sees how great are the tortures that the saints have endured in their bodies and how great the rewards of eternal life that they have received, it grasps at the observance of a better life; if it contemplates how great are the joys in heaven and how great are the torments in the flames of hell, it is inspired with hope because of its good deeds and shaken with fear on considering its sins.

(Theophilus, On Divers Arts, pp. 78–79)

As we will see in the next chapter, Abbot Suger of Saint-Denis shared the position of Theophilus, rather than that of Bernard, and from this standpoint would sponsor a reconstruction of his abbey church that gave birth to the Gothic style.

Although Fontenay and other early Cistercian monasteries fully reflect the architectural developments of their time in masonry construction, vaulting, and planning, the Cistercians relied on harmonious proportions and superbly refined stonework, not elaborately carved and painted figural decoration, to achieve beauty in their architecture. Church furnishings included little other than altars with crosses and candles. The large windows in the end wall, rather than a clerestory, provided light, concentrated here as at Santiago, on the sanctuary. The sets of triple windows may have reminded the monks of the Trinity. Some scholars have suggested that the numerical and proportional systems guiding the design of such seemingly simple buildings are saturated with the sacred numerical systems outlined by such eminent early theologians as St. Augustine of Hippo. The streamlined but sophisticated architecture favored by the Cistercians spread from their homeland in Burgundy to become an international style. From Scotland and Poland to Spain and Italy, Cistercian designs and building techniques varied only slightly in relation to local building traditions. Cistercian experiments with masonry vaulting and

harmonious proportions influenced the development of the French Gothic style in the middle of the twelfth century.

#### REGIONAL STYLES IN ROMANESQUE ARCHITECTURE

The Cathedral of Santiago de Compostela and the abbey church at Cluny reflect the cultural exchanges along the pilgrimage roads and the international connections fostered by powerful monastic orders, but Europe remained a land divided by competing kingdoms, regions, and factions. Romanesque architecture reflects this regionalism in the wide variety of its styles, traditions, and building techniques. Only a few examples can be examined here.

THE CATHEDRAL OF ST. MARY OF THE ASSUMPTION IN PISA. Throughout Italy artists looked to the still-standing remains of imperial Rome and Early Christianity. The influence remained especially strong in Pisa, on the west coast of Tuscany. Pisa became a maritime power, competing with Barcelona and Genoa as well as the Muslims for control of trade in the western Mediterranean. In 1063, after a decisive victory over the Muslims, the jubilant



15-11 • CATHEDRAL COMPLEX, PISA

Tuscany, Italy. Cathedral, begun 1063; baptistery, begun 1153; campanile, begun 1174; Campo Santo, 13th century.

When finished in 1350, the Leaning Tower of Pisa stood 179 feet high. The campanile had begun to tilt while still under construction, and today it leans about 13 feet off the perpendicular. In the latest effort to keep it from toppling, engineers filled the base with tons of lead.

SEE MORE: Click the Google Earth link for the Cathedral complex, Pisa www.myartslab.com

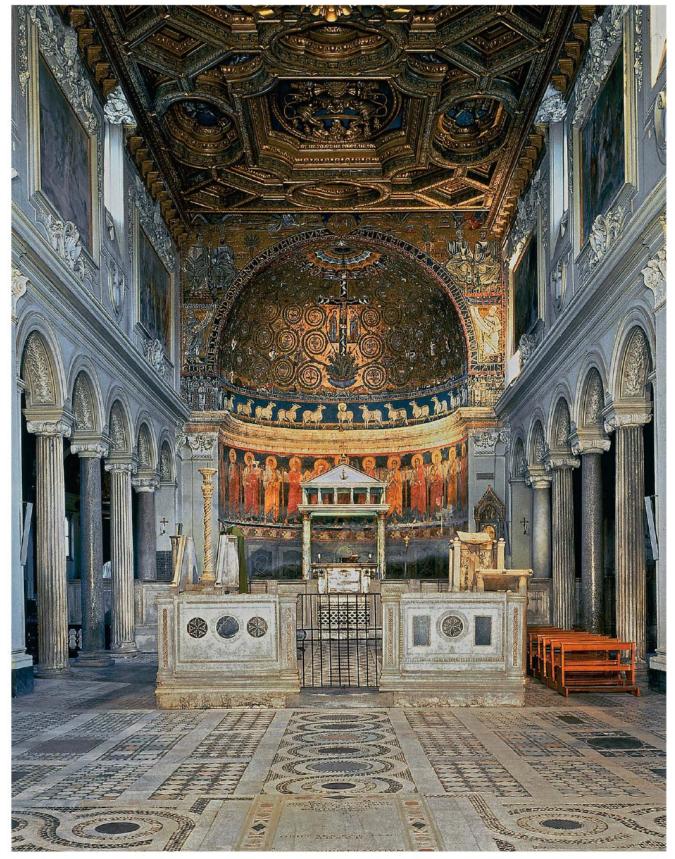
Pisans began an imposing new cathedral dedicated to the Virgin Mary (FIG. 15–11). The cathedral was designed as a cruciform basilica by the master builder Busketos. A long nave with double side aisles (usually an homage to Old St. Peter's) is crossed by projecting transepts, designed like basilicas with their own aisles and apses. The builders added galleries above the side aisles, and a dome covers the crossing. Unlike Early Christian basilicas, the exteriors of Tuscan churches were richly decorated with marble—either panels of green and white marble or arcades. At Pisa, pilasters, applied arcades, and narrow galleries in white marble adorn the five-story façade.

In addition to the cathedral itself, the complex eventually included a baptistery, a campanile, and the later Gothic Campo Santo, a walled burial ground. The baptistery, begun in 1153, has arcading and galleries on the lower levels of its exterior that match those on the cathedral (the baptistery's present exterior dome and ornate upper levels were built later). The campanile (a free-standing bell tower—now known for obvious reasons as "the Leaning Tower of Pisa") was begun in 1174 by master builder Bonanno Pisano. Built on inadequate foundations, it began to lean almost immediately. The cylindrical tower is encased in tier upon tier of marble columns. This creative reuse of the Classical theme of

the colonnade, turning it into a decorative arcade, is characteristic of Tuscan Romanesque art.

THE BENEDICTINE CHURCH OF SAN CLEMENTE IN ROME. The Benedictine church of San Clemente in Rome was rebuilt beginning in the eleventh century (it was consecrated in 1128) on top of the previous church (which had itself been built over a Roman sanctuary of Mithras). The architecture and decoration reflect a conscious effort to reclaim the artistic and spiritual legacy of the early church (FIG. 15–12). As with the columns of Santa Sabina (SEE FIG. 7–9), the columns in San Clemente are **spolia**: that is, they were reused from ancient Roman buildings. The church originally had a timber roof (now disguised by an ornate eighteenth-century ceiling). Even given the Romanesque emphasis on stone vaulting, the construction of timber-roofed buildings continued throughout the Middle Ages.

At San Clemente, the nave ends in a semicircular apse opening directly off the rectangular hall without a sanctuary extension or transept crossing. To accommodate the increased number of participants in the twelfth-century liturgy, the liturgical choir for the monks was extended into the nave itself, defined by a low barrier made up of ninth-century relief panels reused from the earlier



**15-12 • NAVE, CHURCH OF SAN CLEMENTE, ROME** Consecrated 1128.

San Clemente contains one of the finest surviving collections of early church furniture: choir stalls, pulpit, lectern, candlestick, and also the twelfth-century inlaid floor pavement. Ninth-century choir screen panels were reused from the earlier church on the site. The upper wall and ceiling decoration date from the eighteenth century.

church. In Early Christian basilicas, the area in front of the altar had been similarly enclosed by a low stone parapet (SEE FIG. 7–9), and the Romanesque builders may have wanted to revive what they considered a glorious Early Christian tradition. A **baldachin** (a canopy suspended over a sacred space, also called a ciborium), symbolizing the Holy Sepulcher, covers the main altar in the apse.

The apse of San Clemente is richly decorated with marble revetment on the curving walls and mosaic in the semidome, in a system familiar from the Early Christian and Byzantine world (SEE FIGS. 7–15, 7–21, 7–25). The mosaics attempt to recapture this past glory, portraying the trees and rivers of paradise, a lavish vine scroll inhabited by figures, in the midst of which emerges the crucified Christ flanked by Mary and St. John. Twelve doves on the cross and the 12 sheep that march in single file below represent the apostles. Stags drink from streams flowing from the base of the cross, evocation of the tree of life in paradise (FIG. 15–13). An inscription running along the base of the apse explains, "We liken the Church

of Christ to this vine that the law causes to wither and the Cross causes to bloom," a statement that recalls Jesus' reference to himself as the true vine and his followers as the branches (John 15:1–11), The learned monks of San Clemente would have been prepared to derive these and other meanings from the evocative symbols within this elaborate and arresting composition.

Although the subject of the mosaic recalls Early Christian art, the style and technique are clearly Romanesque. The artists have suppressed the sense of lifelike illusionism that characterized earlier mosaics in favor of ornamental patterns and schemas typical of the twelfth century. The doves silhouetted on the dark blue cross, the symmetrical repetition of circular vine scrolls, even the animals, birds, and humans among their leaves conform to an overriding formal design. By an irregular setting of mosaic tesserae in visibly rough plaster, the artists are able to heighten color and increase the glitter of the pervasive gold field, allowing the mosaic to sparkle.



15-13 • STAGS DRINKING FROM STREAMS FLOWING UNDER THE CRUCIFIED CHRIST Detail of mosaics in the apse of the church of San Clemente, Rome. Consecrated 1128.

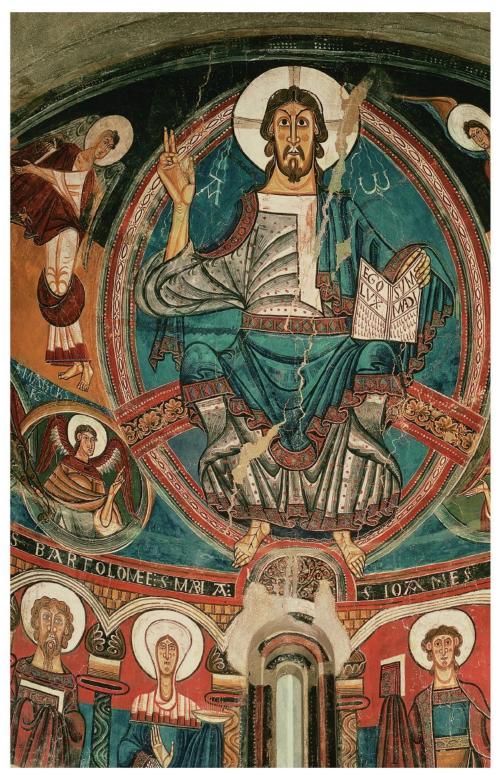


## ART AND ITS CONTEXTS

## The Paintings of San Climent in Taull: Mozarabic Meets Byzantine

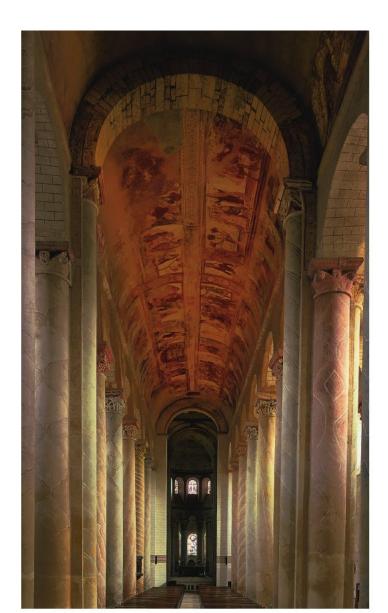
As we see at San Clemente in Rome and at Saint-Savin-sur-Gartempe (SEE FIGS. 15-12, 15-14), Romanesque church interiors were not bare expanses of stone, but were often covered with images that glowed in flickering candlelight amid clouds of incense. Outside Rome during the Romanesque period, murals largely replaced mosaics on the walls of churches. Wall painting was subject to the same influences as the other visual arts: that is, the mural painters could be inspired by illuminated manuscripts, or ivories, or enamels in their treasuries or libraries. Some artists must have seen examples of Byzantine art; others had Carolingian or even Early Christian models.

Artists in Catalunya brilliantly combined the Byzantine style with their own Mozarabic and Classical heritage in the apse paintings of the church of San Climent in the mountain village of Taull (Tahull), consecrated in 1123, just a few years before the church of San Clemente in Rome. The curve of the semidome of the apse contains a magnificently expressive Christ in Majesty holding an open book inscribed Ego sum lux mundi ("I am the light of the world," John 8:12)-recalling in his commanding presence the imposing Byzantine depictions of Christ Pantocrator, ruler and judge of the world, in Middle Byzantine churches (SEE FIG. 7-34). The San Climent artist was one of the finest painters of the Romanesque period, but where he came from and where he learned his art is unknown. His use of elongated oval faces, large staring eyes, and long noses, as well as the placement of figures against flat bands of color and his use of heavy outlines, reflect the Mozarabic past (SEE FIG. 14-7). At the same time his work betrays the influence of Byzantine art in his painting technique of modeling from light to dark through repeated colored lines of varying width in three shades-dark, medium, and light. Instead of blending the colors, he delights in the striped effect, as he also does in the patterning potential in details of faces, hair, hands, and muscles.



#### **CHRIST IN MAJESTY**

Detail of apse, church of San Climent, Taull, Catalunya, Spain. Consecrated 1123. Museu Nacional d'Art de Catalunya, Barcelona.



#### 15-14 • ABBEY CHURCH OF SAINT-SAVIN-SUR-GARTEMPE, POITOU

France. Choir c. 1060-1075; nave c. 1095-1115.

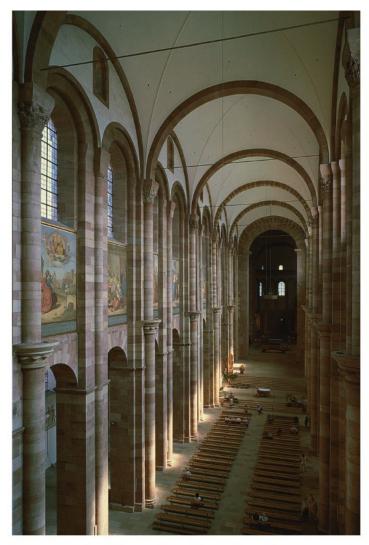
THE ABBEY CHURCH OF SAINT-SAMN-SUR-GARTEMPE. At the Benedictine abbey church in Saint-Savin-sur-Gartempe in western France, a tunnel-like barrel vault runs the length of the nave and choir (FIG. 15–14). Without galleries or clerestory windows, the nave at Saint-Savin approaches the form of a "hall church," where the nave and aisles rise to an equal height. And unlike other churches we have seen (SEE, FOR EXAMPLE, FIG. 15–4), at Saint-Savin the barrel vault is unbroken by projecting transverse arches, making it ideally suited for paintings.

The paintings on the high vaults of Saint-Savin survive almost intact, presenting scenes from the Hebrew Bible and New Testament. The nave was built c. 1095–1115, and the painters seem to have followed the masons immediately, probably using the same scaffolding. Perhaps their intimate involvement with the building process accounts for the vividness with which they portrayed the biblical story of the **TOWER OF BABEL (FIG. 15–15)**.

According to the account in Genesis (11:1–9), God (represented here by a striding figure of Christ on the left) punished the prideful people who had tried to reach heaven by means of their own architectural ingenuity by scattering them and making their languages mutually unintelligible. The tower in the painting is a medieval structure, reflecting the medieval practice of visualizing all stories in contemporary settings, thereby underlining their relevance for the contemporary audience. Workers haul heavy stone blocks toward the tower, presumably intending to lift them to masons on the top with the same hoist that has been used to haul up a bucket of mortar. The giant Nimrod, on the far right, simply hands over the blocks. These paintings embody the energy



**15-15 • TOWER OF BABEL**Detail of painting in nave vault, abbey church of Saint-Savin-sur-Gartempe, Poitou, France. c. 1115.



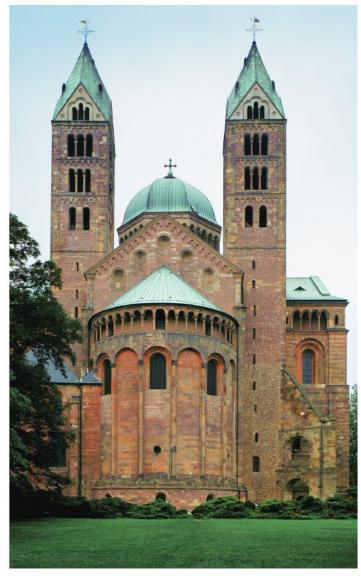
**15-16 • INTERIOR, SPEYER CATHEDRAL** Germany. As remodeled c. 1080–1106.

and narrative vigor that characterizes Romanesque art. A dynamic figure of God confronts the wayward people, stepping away from them even as he turns back, presumably to scold them. The dramatic movement, monumental figures, bold outlines, broad areas of color, and patterned drapery all promote the legibility of these pictures to viewers looking up in the dim light from far below. The team of painters working here did not use the *buon fesco* technique favored in Italy for its durability, but they did moisten the walls before painting, which allowed some absorption of pigments into the plaster, making them more permanent than paint applied to a dry surface.

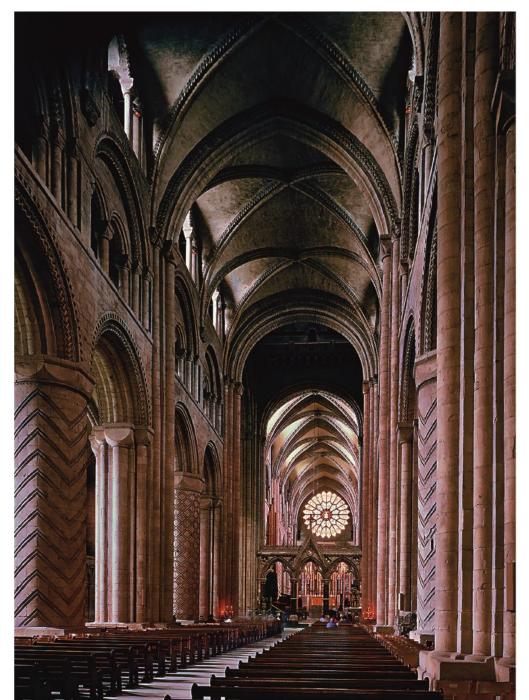
THE CATHEDRAL OF THE VIRGIN AND ST. STEPHEN AT SPEYER. The imperial cathedral at Speyer in the Rhine River Valley was a colossal structure rivaled only by Cluny III. An Ottonian, woodenroofed church built between 1030 and 1060 was given a masonry vault c. 1080–1106 (FIG. 15–16). Massive compound piers mark each nave bay and support the transverse ribs of a groin vault that rises to a height of over 100 feet. These compound piers alternate

with smaller piers supporting the vaults of the aisle bays. This rhythmic, alternating pattern of heavy and light elements, first suggested for aesthetic reasons in Ottonian wooden-roofed architecture (SEE FIG. 14–22), became an important design element in Speyer. Since groin vaults concentrate the weight and thrust of the vault on the four corners of the bay, they relieve the stress on the side walls of the building. Windows can be safely inserted in each bay to flood the building with light.

The exterior of Speyer Cathedral emphasizes its Ottonian and Carolingian background. Soaring towers and wide transepts mark both ends of the building, although a narthex, not an apse, stands at the west. A large apse housing the high altar abuts the flat wall of the choir; transept arms project at each side; a large octagonal tower rises over the crossing; and a pair of tall slender towers flanks the choir (FIG. 15–17). A horizontal arcade forms an exterior gallery at the top of the apse and transept wall, recalling the Italian practice we saw at Pisa (SEE FIG. 15–11).



**15-17 • EXTERIOR, SPEYER CATHEDRAL** c. 1080–1106 and second half of the 12th century.

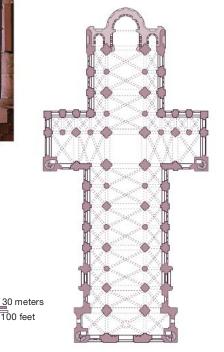


15-18 • DURHAM CATHEDRAL England. 1087-1133. Original east end replaced by a Gothic choir, 1242-c. 1280. Vault height about 73' (22.2 m).

SEE MORE: View a panorama of Durham Cathedral www.myartslab.com

DURHAM CATHEDRAL. In Durham, an English military outpost near the Scottish border, a prince-bishop held both secular and religious authority. For his headquarters he chose a natural defensive site where the bend in the River Wear formed a natural moat. Durham grew into a powerful fortified complex including a castle, a monastery, and a cathedral. The great tower of the castle defended against attack from the land, and an open space between buildings served as the courtyard of the castle and the cathedral green.

**DURHAM CATHEDRAL**, begun in 1087 and vaulting constructed from 1093, is an impressive example of Norman Romanesque, but like most buildings that have been in continuous use, it has been altered several times (FIGS. 15–18, 15–19). The



**15-19 • PLAN OF DURHAM CATHEDRAL** Showing original east end.

nave retains its Norman character, but the huge circular window lighting the choir is a later Gothic addition. The cathedral's size and décor are ambitious. Enormous compound piers and robust columnar piers form the nave arcade and establish a rhythmic alternation. The columnar piers are carved with chevrons, spiral fluting, and diamond patterns, and some have scalloped, cushion-shape capitals. The richly carved arches that sit on them have multiple round moldings and chevron ornaments. All this carved ornamentation was originally painted.

Above the cathedral's massive piers and walls rises a new system of ribbed groin vaults. Romanesque masons in Santiago de Compostela, Cluny, Fontenay, Speyer, and Durham were all experimenting with stone vaulting—and reaching different conclusions. The Durham builders divided each bay with two pairs of diagonal crisscrossing rounded ribs and so kept the crowns of the vaults close in height to the keystones of the pointed transverse arches (SEE FIG. 15–18). Although this allows the eye to run smoothly down the length of the vault, and from vault to vault down the expanse of the nave, the richly carved zigzagging moldings on the

ribs themselves invite us to linger over each bay, acknowledging traditional Romanesque bay division. This new system of ribbed groin vaulting will become a hallmark of Gothic architecture, though there it will create a very different aesthetic effect.

#### SECULAR ARCHITECTURE: DOVER CASTLE, ENGLAND

The need to provide for personal security in a time of periodic local warfare and political upheaval, as well as the desire to glorify the house of Christ and his saints, meant that communities used much of their resources to build castles and churches. Fully garrisoned, castles were sometimes as large as cities. In the twelfth century, **DOVER CASTLE**, safeguarding the coast of England from invasion, was a bold manifestation of military power (FIG. 15–20). It illustrates the way in which a key defensive position developed over the centuries.

The Romans had built a lighthouse on the point where the English Channel separating England and France narrows. The Anglo-Saxons added a church (both lighthouse and church can be seen in FIG. 15–20 behind the tower, surrounded by the remains of

(Item not available in eText)

15-20 • DOVER CASTLE

England

Aerial view overlooking the harbor and the English Channel. Center distance: Roman lighthouse tower, rebuilt Anglo-Saxon church, earthworks. Center: Norman Great Tower, surrounding earthworks and wall, twelfth century. Outer walls, thirteenth century. Modern buildings have red tile roofs. The castle was used in World War II and is now a museum.

# ELEMENTS OF ARCHITECTURE | The Romanesque Church Portal

The most important imagery on a Romanesque portal appears on the semicircular **tympanum** directly over the door—often a hieratically scaled image of abstract grandeur such as Christ in Majesty or Christ presiding over the Last Judgment—as well as on the **lintel** beneath it. **Archivolts**—curved moldings composed of the wedge-shape stone voussoirs of the arch—frame the tympanum. On both sides of the doors, the **jambs** (vertical elements) and occasionally a central pier (called the **trumeau**), support the lintel and archivolts, providing further fields for figures, columns, or narrative friezes. The jambs can extend forward to form a porch.

voussoirs voussoirs lintel lintel jamb trumeau jamb

SEE MORE: View a simulation of a Romanesque church portal www.myartslab.com

earthen walls). In the early Middle Ages, earthworks topped by wooden walls provided a measure of security, and a wooden tower signified an important administrative building and residence. The advantage of fire-resistant walls was obvious, and in the twelfth and thirteenth centuries, military engineers replaced the timber tower and palisades with stone walls. They added the massive stone towers we see today.

The Great Tower, as it was called in the Middle Ages (but later known as a **keep** in England, and donjon in France), stood in a courtyard (called the **bailey**) surrounded by additional walls. Ditches outside the walls added to the height of the walls. In some castles, ditches were filled with water to form moats. A gate-house—perhaps with a drawbridge—controlled the entrance. In all castles, the bailey was filled with buildings, the most important of which was the lord's hall; it was used to hold court and for feasts and ceremonial occasions. Timber buildings housed troops, servants, and animals. Barns and workshops, ovens and wells were also needed since the castle had to be self-sufficient.

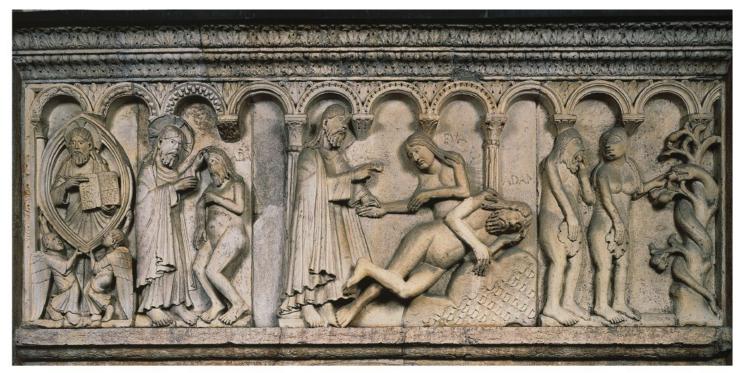
If enemies broke through the outer walls, the castle's defenders retreated to the Great Tower. In the thirteenth century, the builders at Dover doubled the walls and strengthened them with towers, even though the castle's position on cliffs overlooking the sea made scaling the walls nearly impossible. The garrison could be forced to surrender only by starving its occupants.

During Dover Castle's heyday, improvements in farming and growing prosperity provided the resources for increased building activity across Europe. Churches, castles, halls, houses, barns, and monasteries proliferated. The buildings that still stand—despite the ravages of weather, vandalism, neglect, and war—testify to the technical skills and creative ingenuity of the builders and the power, local pride, and faith of the patrons.

#### ARCHITECTURAL SCULPTURE

Architecture dominated the arts in the Romanesque period—not only because it required the material and human resources of entire communities, but because it provided the physical context for a revival of the art of monumental stone sculpture, an art that had been dormant in European art for 500 years. The "mute" façades used in early medieval buildings (SEE FIG. 14-15) were transformed by Romanesque sculptors into "speaking" façades with richly carved portals projecting bold symbolic and didactic programs to the outside world (SEE FIG. 15-22). Christ Enthroned in Majesty might be carved over the entrance, and increasing importance is accorded to the Virgin Mary. The prophets, kings, and queens of the Hebrew Bible were seen by medieval Christians as precursors of people and events in the New Testament, so these were depicted, and we can also find representations of contemporary bishops, abbots, other noble patrons, and even ordinary folk. A profusion of monsters, animals, plants, geometric ornament, allegorical figures such as Lust and Greed, and depictions of real and imagined buildings surround the sculpture within its architectural setting. The elect rejoice in heaven with the angels; the damned suffer in hell, tormented by demons; biblical and historical tales come alive. All these events seem to take place in a contemporary medieval setting, and they are juxtaposed with scenes drawn from the viewer's everyday life.

These innovative portals are among the greatest artistic achievements of Romanesque art, taking the central messages of the Christian Church out of the sanctuary (SEE FIGS. 7–21, 7–25) and into the public spaces of medieval towns. And figural sculpture appeared not only at entrances, but on the capitals of interior as well as exterior piers and columns, and occasionally spread all over



15-21 • Wiligelmo CREATION AND FALL, WEST FAÇADE, MODENA CATHEDRAL Emilia, Italy. Building begun 1099; sculpture c. 1099. Height approx. 3' (92 cm).

the building in friezes, on corbels, even peeking around cornices or from behind moldings. There was plenty of work for stone sculptors on Romanesque building sites.

#### WILIGELMO AT THE CATHEDRAL OF MODENA

The spirit of ancient Rome pervades the sculpture of Romanesque Italy, and the sculptor Wiligelmo may have been inspired by Roman sarcophagi still visible in cemeteries when he carved horizontal reliefs across the west façade of Modena Cathedral, c. 1099. Wiligelmo took his subjects here from Genesis, focusing on events from the **CREATION AND FALL OF ADAM AND EVE (FIG. 15–21)**. On the far left, God, in a **mandorla** (body halo) supported by angels, appears in two persons as both Creator and Christ, identified by a cruciform halo. Following this iconic image, the narrative of creation unfolds in three scenes, from left to right: God brings Adam to life, then brings forth Eve from Adam's side, and finally Adam and Eve cover their genitals in shame as they greedily eat fruit from the forbidden tree, around which the wily serpent twists.

Wiligelmo's deft carving gives these figures a strong three-dimensionality. The framing arcade establishes a stagelike setting, with the rocks on which Adam lies and the tempting tree of paradise serving as stage props. Wiligelmo's figures exude life and personality. They convey an emotional connection with the narrative they enact, and bright paint, now almost all lost, must have increased their lifelike impact still further. An inscription at Modena proclaims, "Among sculptors, your work shines forth, Wiligelmo." This self-confidence turned out to be justified.

Wiligelmo's influence can be traced throughout Italy and as far away as Lincoln Cathedral in England.

#### THE PRIORY CHURCH OF SAINT-PIERRE AT MOISSAC

The Cluniac priory of Saint-Pierre at Moissac was a major stop on the pilgrimage route to Santiago de Compostela. The shrine at the site dates back to the Carolingian period, and after affiliating with Cluny in 1047, the monastery prospered from the donations of pilgrims and local nobility, as well as from its control of shipping on the nearby Garonne River. During the twelfth century, Moissac's monks launched an ambitious building campaign, and much of the sculpture from the cloister (c. 1100, under Abbot Ansquetil) and the church portal and porch (1100–1130, under Abbot Roger) has survived. The quantity and quality of the carving here are outstanding.

A flattened figure of **CHRIST IN MAJESTY** dominates the huge tympanum **(FIG. 15–22)**, visualizing a description of the Second Coming in Chapters 4 and 5 of Revelation. This gigantic Christ is an imposing, iconic image of enduring grandeur. He is enclosed by a mandorla; a cruciform halo rings his head. Although Christ is stable, even static, in this apocalyptic appearance, the four winged creatures symbolizing the evangelists—Matthew the man (upper left), Mark the lion (lower left), Luke the ox (lower right), and John the eagle (upper right)—who frame him on either side move with dynamic force, as if activated by the power of his unchanging majesty. Rippling bands extending across the tympanum at Christ's sides and under him—perhaps representing waves in the "sea of glass like crystal" (Revelation 4:6)—delineate three registers in

which 24 elders with "gold crowns on their heads" and either a harp or a gold bowl of incense (Revelation 4:4 and 5:8) twist nervously to catch a glimpse of Christ's majestic arrival. Each of them takes an individually conceived pose and gesture, as if the sculptors were demonstrating their ability to represent three-dimensional human figures turning in space in a variety of postures, some quite challengingly contorted. Foliate and geometric ornament covers every surface surrounding this tableau. Monstrous heads in the lower corners of the tympanum spew ribbon scrolls, and other creatures appear at each end of the lintel, their tongues growing into ropes encircling acanthus rosettes.

Two side jambs and a trumeau (central portal pier) support the weight of the lintel and tympanum. These elements have scalloped profiles that playfully undermine the ability of the colonettes on the door jambs to perform their architectural function and give a sense of instability to the lower part of the portal, as if to underline the ability of the stable figure of Christ in Majesty to provide his own means of support. St. Peter and the prophet Isaiah flank the doorway on the jambs. Peter, a tall, thin saint, steps away from the door but twists back to look through it.

The **TRUMEAU** (FIG. 15–23) is faced by a crisscrossing pair of lions. On the side visible here, a prophet, usually identified as

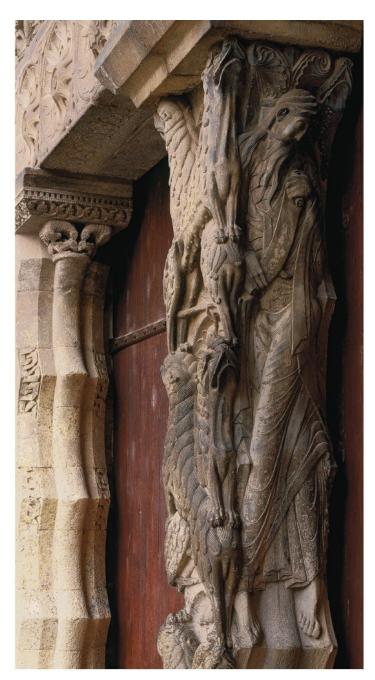


15-22 • SOUTH PORTAL AND PORCH, SHOWING CHRIST IN MAJESTY, PRIORY CHURCH OF SAINT-PIERRE, MOISSAC

France. c. 1115.

SEE MORE: Click the Google Earth link for the priory church of Saint-Pierre www.myartslab.com

Jeremiah, twists toward the viewer, with legs crossed in a pose that would challenge his ability to stand, much less move. The sculptors placed him in skillful conformity with the constraints of the scalloped trumeau; his head, pelvis, knees, and feet moving into the pointed cusps. This decorative scalloping, as well as the trumeau lions and lintel rosettes, may reveal influence from Islamic art. Moissac was under construction shortly after the First Crusade, when many Europeans first encountered the Islamic art and architecture of the Holy Land. People from the region around Moissac participated in the crusade; perhaps they brought Islamic objects and ideas home with them.



15-23 • TRUMEAU, SOUTH PORTAL, PRIORY CHURCH OF SAINT-PIERRE, MOISSAC France. c. 1115.

A porch covering the area in front of the portal at Moissac provided a sheltered space for pilgrims to congregate and view the sculpture during their stopover along the way to Santiago. The side walls are filled with yet more figural sculptural (FIG. 15–24), but the style of presentation changes here with the nature of the subject matter and the response that was sought from the audience. Instead of the stylized and agitated figures on the tympanum and its supports, here sculptors have substituted more lifelike and approachable human beings. Rather than embodying unchanging theological notions or awe-inspiring apocalyptic appearances, these figures convey human frailties and torments in order to persuade viewers to follow the Church's moral teachings.

Behind the double arcade framework of the lower part of the wall are hair-raising portrayals of the torments of those who fall prey to the two sins that particularly preoccupied twelfth-century moralists: avarice (greed and the hoarding of money) and lust (sexual misconduct). At bottom left, a greedy man is attacked by demons while the money bags around his neck weigh him down, strangling him. On the other side of the column, his counterpart, the female personification of lust (luxuria), is confronted by a pot-bellied devil while snakes bite at her breasts and another predator attacks her pubic area. In the scene that extends behind the column and across the wall above them, luxuria reappears, kneeling beside the deathbed of the miser, as devils make off with his money and conspire to make his final moments miserable. These scenes are made as graphic as possible so that medieval viewers could identify with these situations, perhaps even feel the pain in their own bodies as a warning to avoid the behaviors that lead to such gruesome consequences.

In the strip of relief running across the top of the wall, the mood is calmer, but the moral message remains strong and clear, at least for those who know the story. The sculpture recounts the tale of Lazarus and Dives (Luke 16:19-31), the most popular parable of Jesus in Romanesque art. The broad scene to the right shows the greedy, rich Dives, relishing the feast that is being laid before him by his servants and refusing even to give his table scraps to the leprous beggar Lazarus, spread out at lower left. Under the table, dogs-unsatisfied by leftovers from Dives' feast-turn to lick the pus from Lazarus' sores as the poor man draws his last breath. The angel above Lazarus, however, transfers his soul (represented as a naked baby, now missing) to the lap of Abraham (a common image of paradise), where he is cuddled by the patriarch, the eternal reward for a pious life. The fate of Dives is not portrayed here, but it is certainly evoked on the lower section of this very wall in the torments of the greedy man, whom we can now identify with Dives himself. Clearly some knowledge is necessary to recognize the characters and story of this sculpture, and a "guide" may have been present to aid those viewers who did not readily understand. Nonetheless, the moral of sin and its consequences can be read easily and directly from the narrative presentation. This is not scripture for an ignorant illiterate population. It is a sermon sculpted in stone.



#### 15-24 • RELIEFS ON THE LEFT WALL OF THE PORCH, PRIORY CHURCH OF SAINT-PIERRE, MOISSAC

France. c. 1115.

The parable of Lazarus and Dives that runs across the top of this wall retains its moral power to our own day. This was the text of Martin Luther King's last Sunday sermon, preached only a few days before his assassination in Memphis, where he was supporting a strike by sanitation workers. Perhaps he saw the parable's image of the table scraps of the rich and greedy as particularly appropriate to his context. Just as in this portal, in Dr. King's sermon the story is juxtaposed with other stories and ideas to craft its interpretive message in a way that is clear and compelling for the audience addressed.

#### THE CHURCH OF SAINT-LAZARE AT AUTUN

A different sculptural style and another subject appear at Autun on the main portal of the abbey church (now cathedral) of Saint-Lazare (see "A Closer Look," page 478). This is the Last Judgment, in which Christ—enclosed in a mandorla held by two svelte angels—has returned at the end of time to judge the cowering, naked humans whose bodies rise from their sarcophagi along the lintel at his feet. The damned writhe in torment at Christ's left (our right), while on the opposite side the saved savor serene bliss. The inscribed message on the side of the damned reads: "Here

let fear strike those whom earthly error binds, for their fate is shown by the horror of these figures," and under the blessed: "Thus shall rise again everyone who does not lead an impious life, and endless light of day shall shine for him" (translations from Grivot and Zarnecki).

Another text, right under the feet of Christ, ascribes the Autun tympanum to a man named Gislebertus—Gislebertus hoc fait ("Gislebertus made this"). Traditionally art historians have interpreted this inscription as a rare instance of a twelfth-century artist's signature, assigning this façade and related sculpture to an



## A CLOSER LOOK

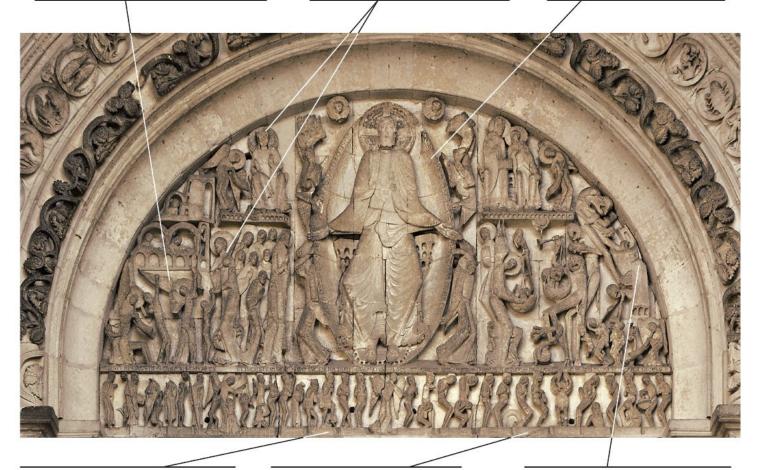
# The Last Judgment Tympanum at Autun

by Gislebertus (?), west portal, Cathedral (originally abbey church) of Saint-Lazare. Autun, Burgundy, France. c. 1120–1130 or 1130–1145.

In one of the most endearing vignettes, an angel pushes one of the saved up through an open archway and into the glorious architectural vision of heaven. Another figure at the angel's side reaches up, impatient for his turn to be hoisted up into paradise.

Christ's mother, Mary, is enthroned as queen of heaven. Below, St. Peter—identified by the large keys slung over his shoulder—performs his duties as heavenly gatekeeper, clasping the hands of someone waiting to gain entrance.

This inscription proclaims "I alone dispose of all things and crown the just. Those who follow crime I judge and punish." Clearly, some of the viewers could read Latin.



The cross (a badge of Jerusalem) and scallop shell (a badge of Santiago de Compostela) identify these two figures as former pilgrims. The clear message is that participation in pilgrimage will be a factor in their favor at the Last Judgment.

The incised ornament on these sarcophagi is quite similar to that on ancient Roman sarcophagi, one of many indications that the Autun sculptors and masons knew the ancient art created when Autun was a Roman city.

Interestingly, hell is represented here as a basilica, with a devil emerging from the toothy maw that serves as a side entrance, capturing sinners for eternal torment. The devil uses a sharp hook to grab *luxuria*, the female personification of lust.

SEE MORE: View the Closer Look feature for the Last Judgment Tympanum at Autun www.myartslab.com

individual named Gislebertus, who was at the head of a large workshop of sculptors. Recently, however, art historian Linda Seidel has challenged this reading, arguing that Gislebertus was actually a late Carolingian count who had made significant donations to local churches. Like the names inscribed on many academic buildings of American universities, this legendary donor's name would have been evoked here as a reminder of the long and rich history of secular financial support in Autun, and perhaps also

as a challenge to those currently in power to respect and continue that venerable tradition of patronage themselves.

Thinner and taller than their counterparts at Moissac, stretched out and bent at sharp angles, the stylized figures at Autun are powerfully expressive and hauntingly beautiful. As at Moissac, a huge, hieratic figure of Christ dominates the composition at the center of the tympanum, but the surrounding figures are not arranged here in regular compartmentalized tiers. Their posture and placement conform to their involvement in the story they enact. Since that story is filled with human interest and anecdotal narrative detail, viewers can easily project themselves into what is going on. On the lintel, angels physically assist the resurrected bodies rising from their tombs, guiding them to line up and await their turn at being judged. Ominously, a pair of giant, pincer-like hands descends aggressively to snatch one of the damned on the right side of the lintel. Above these hands, the archangel Michael competes with devils over the fate of someone whose judgment is being weighed on the scales of good and evil. The man himself perches on the top of the scale, hands cupped to his mouth to project his pleas for help toward the Savior. Another man hides nervously in the folds of Michael's robe, perhaps hoping to escape judgment or cowering from the loathsome prospect of possible damnation.

By far the most riveting players in this drama are the frenzied, grotesque, screaming demons who grab and torment the damned and even try, in vain, to cheat by yanking the scales to favor damnation. The fear they inspire, as well as the poignant portrayal of the psychological state of those whom they torment, would have been moving reminders to medieval viewers to examine the way they were leading their own lives, or perhaps to seek the benefits of entering the doors in front of them to participate in the community of the Church.

The creation of lively narrative scenes within the geometric confines of capitals (called historiated capitals) was an important Romanesque innovation in architectural sculpture. The same sculptors who worked on the Autun tympanum carved historiated capitals for pier pilasters inside the church. Two capitals (FIG. 15-25) depict scenes from the childhood of Jesus drawn from Matthew 2:1-18. In one capital, the Magi-who have previously adored and offered gifts to the child Jesus-are interrupted in their sleep by an angel who warns them not to inform King Herod of the location of the newborn king of the Jews. In an ingenious compositional device, the sculptor has shown the reclining Magi and the head of their bed as if viewed from above, whereas the angel and the foot of the bed are viewed from the side. This allows us to see clearly the angel-who is appearing to them in a dream—as he touches the hand of the upper Magus, whose eyes have suddenly popped open. As on the façade, the sculptor has conceived this scene in ways that emphasize the human qualities of its story, not its deep theological significance. With its charming, doll-like figures, the other capital shows an event that occurred just after the Magi's dream: Joseph, Mary, and Jesus are journeying

toward Egypt to escape King Herod's order to murder all young boys so as to eliminate the newborn royal rival the Magi had journeyed to venerate.





15-25 • THE MAGI ASLEEP AND THE FLIGHT INTO EGYPT

Capitals from the choir, Cathedral of Saint-Lazare, Autun, Burgundy, France. c. 1125.



15-26 • CRUCIFIX (MAJESTAT BATLLÓ)

Catalunya, Spain. Mid-12th century. Polychromed wood, height approx.  $37^3 4''$  (96 cm). Museu Nacional d'Art de Catalunya, Barcelona.

#### SCULPTURE IN WOOD AND BRONZE

Painted wood was commonly used when abbey and parish churches of limited means commissioned statues. Wood was not only cheap; it was lightweight, a significant consideration since these devotional images were frequently carried in processions. Whereas wood seems to have been a sculptural medium that spread across Europe, three geographic areas—the Rhineland, the Meuse River Valley, and German Saxony—were the principal metalworking centers. Bronze sculpture was produced only for wealthy aristocratic and ecclesiastical patrons. It drew on a variety of stylistic sources, including the work of contemporary Byzantine and Italian artists, as well as Classical precedents as reinterpreted by the sculptors' Carolingian and Ottonian forebears.

## CHRIST ON THE CROSS (MAJESTAT BATLLÓ)

This mid-twelfth-century painted wooden crucifix from Catalunya, known as the MAJESTAT BATLLÓ (FIG. 15-26), presents a clothed, triumphant Christ, rather than the seminude figure we have seen at Byzantine Daphni (SEE FIG. 7-35) or on the Ottonian Gero Crucifix (SEE FIG. 14-23). This Christ's royal robes emphasize his kingship, although his bowed head, downturned mouth, and heavylidded eyes convey a quiet sense of sadness or introspection. The hem of his long, medallionpatterned tunic has pseudo-kufic inscriptionsdesigns meant to resemble Arabic script—a reminder that silks from Islamic Spain were highly prized in Europe at this time. Islamic textiles were widely used as cloths of honor hung behind thrones and around altars to designate royal and sacred places. They were used to wrap relics and to cover altars with apparently no concern for their Muslim source.

#### MARY AS THE THRONE OF WISDOM

Any Romanesque image of Mary seated on a throne and holding the Christ Child on her lap is known as "The Throne of Wisdom." In a well-preserved example in painted wood dating from the second half of the twelfth century (FIG. 15-27), Mother and Child are frontal and regal. Mary's thronelike bench symbolized the lion-throne of Solomon, the Hebrew Bible king who represented earthly wisdom in the Middle Ages. Mary, as Mother and "God-bearer" (the Byzantine Theotokos), gave lesus his human nature. She forms a throne on which he sits in majesty, but she also represents the Church. Although the Child's hands are missing, we can assume that the young Jesus held a book—the Word of God-in his left hand and raised his right hand in blessing.

Such statues of the Virgin and Child served as cult objects on the altars of many churches during the twelfth century. They also sometimes took part in the liturgical dramas being added to church services at that time. At the feast of the Epiphany, celebrating the arrival of the Magi to pay homage to the young Jesus, townspeople representing the Magi acted out their journey by searching through the church for the newborn king. The roles of Mary and Jesus were "acted" by the sculpture, which the Magi discovered on the altar. On one of the capitals from Autun in FIG. 15–25, the Virgin and Child who sit on the donkey in the Flight to Egypt may record the theatrical use of a wooden statue, strapped to the back of a wooden donkey that would have been rolled into the church on wheels, possibly referenced by the round forms at the base of the capital.



15-27 • VIRGIN AND CHILD

Auvergne region, France. Late 12th century. Oak with polychromy, height 31" (78.7 cm). Metropolitan Museum of Art, New York.

Gift of J. Pierpont Morgan, 1916 (16.32.194)

#### TOMB OF RUDOLF OF SWABIA

The oldest known bronze tomb effigy (recumbent portraits of the deceased) is that of **KING RUDOLF OF SWABIA** (FIG. 15–28), who died in battle in 1080. The spurs on his oversized feet identify him as a heroic warrior, and he holds a scepter and cross-surmounted orb, emblems of Christian kingship. Although the tomb is in the Cathedral of Merseburg, in Saxony, the effigy has been attributed to an artist originally from the Rhine Valley. Nearly life-size, it was cast in one piece and gilt, though few traces of the gilding survive. The inscription around the frame was incised after casting, and glass paste or semiprecious stones may have originally been set into the eyes and crown. We know that during the battle that ultimately led to Rudolph's death he lost a hand—which was mummified separately and kept in a leather case—but the sculptor of his effigy presents him idealized and whole.



15-28 • TOMB COVER WITH EFFIGY OF KING RUDOLF OF SWABIA

Saxony, Germany. c. 1080. Bronze with niello, approx.  $6'5' 2'' \times 2'2' 2'' (1.97 \times 0.68 \text{ m})$ . Cathedral of Merseburg, Germany.



15-29 • Renier of Huy BAPTISMAL FONT,
NOTRE-DAME-AUX-FONTS
Liège, France. 1107-1118. Bronze,
height 23<sup>5</sup> &" (60 cm); diameter 31<sup>1</sup> &"
(79 cm). Now in the church of
St. Barthelemy, Liège.

#### RENIER OF HUY

Bronze sculptor Renier of Huy (Huy is near Liège in presentday Belgium) worked in the Mosan region under the profound influence of classicizing early medieval works of art, as well as the humanistic learning of church scholars. Hellinus of Notre-Dame-aux-Fonts in Liège (abbot 1107-1118) commissioned a bronze baptismal font from Renier (FIG. 15-29) that was inspired by the basin carried by 12 oxen in Solomon's Temple in Jerusalem (I Kings 7:23-24). Christian commentators identified the 12 oxen as the 12 apostles and the basin as the baptismal font, and their interpretive thought is given visual form in Renier's work. On the sides of the font are images of St. John the Baptist preaching and baptizing Christ, St. Peter baptizing Cornelius, and St. John the Evangelist baptizing the philosopher Crato. Renier models sturdy but idealized bodies—nude or with clinging drapery—that move and gesture with lifelike conviction, infused with dignity, simplicity, and harmony. His understanding of human anatomy

and movement must derive from his close observation of the people around him. He placed these figures within defined land-scape settings, standing on an undulating ground line, and separated into scenes by miniature trees. Water rises in a mound of rippling waves (in Byzantine fashion) to cover nude figures discreetly.

#### TEXTILES AND BOOKS

Among the most admired arts during the Middle Ages are those that later critics patronized as the "minor" or "decorative" arts. Although small in scale, these works are often produced with very precious materials, and they were vital to the Christian mission and devotion of the institutions that housed them.

Artists in the eleventh and twelfth centuries were still often monks and nuns. They labored within monasteries as calligraphers and painters in the scriptorium to produce books and as metalworkers to craft the enamel- and jewel-encrusted works used in liturgical services. They also embroidered the vestments, altar coverings, and wall hangings that clothed both celebrants and settings in the Mass. Increasingly, however, secular urban workshops supplied the aristocratic and royal courts with textiles, tableware, books, and weapons, as well as occasional donations to religious institutions.

#### CHRONICLING HISTORY

Romanesque artists were commissioned not only to illlustrate engaging stories and embody important theological ideas within the context of sacred buildings and sacred books. They also created visual accounts of secular history, although here as well moralizing was one of the principal objectives of pictorial narrative.

THE BAYEUX EMBROIDERY. Elaborate textiles, including embroideries and tapestries, enhanced a noble's status and were thus necessary features in castles and palaces. The Bayeux Embroidery (see pages 484–485) is one of the earliest examples to have survived. This long narrative strip chronicles the events leading to Duke William of Normandy's conquest of England in

1066. The images depicted on this long embroidered band may have been drawn by a Norman designer since there is a clear Norman bias in the telling of the story, but style suggests that it may have been Anglo-Saxons who did the actual needlework. This represents the kind of secular art that must once have been part of most royal courts. It could be rolled up and transported from residence to residence as the noble Norman owner traveled throughout his domain, and some have speculated that it may have been the backdrop at banquets for stories sung by professional performers who could have received their cues from the identifying descriptions that accompany most scenes. Eventually the embroidery was given to Bayeux Cathedral, perhaps by Bishop Odo, William's brother; we know it was displayed around the walls of the cathedral on the feast of the relics.

THE WORCESTER CHRONICLE. Another Romanesque chronicle is the earliest known illustrated history book: the **WORCESTER CHRONICLE** (FIG. 15–30), written in the twelfth century by a monk named John. The pages shown here concern Henry I (r. 1100–1135), the second of William the Conqueror's sons to sit on the English throne. The text relates a series of nightmares the



15-30 • John of Worcester THOSE WHO WORK; THOSE WHO FIGHT; THOSE WHO PRAY— THE DREAM OF HENRY I, WORCESTER CHRONICLE

Worcester, England. c. 1140. Ink and tempera on vellum, each page  $12^3 \text{ (32.5} \times 23.7 \text{ cm)}$ . Corpus Christi College, Oxford. CCC MS. 157, pages 382–383



## THE OBJECT SPEAKS

#### The Bayeux Embroidery

Rarely has art spoken more vividly than in the Bayeux Embroidery, a strip of embroidered linen that recounts the history of the Norman Conquest of England. Its designer was a skillful storyteller who used a staggering number of images to chronicle this history. In the 50 surviving scenes there are more than 600 human figures; 700 horses, dogs, and other creatures; and 2,000 inch-high letters.

On October 14, 1066, William, Duke of Normandy, after a hard day of fighting, became William the Conqueror, king of England. The story told in embroidery seeks to justify his action, with the intensity of an eyewitness account: The Anglo-Saxon nobleman Harold initially swears his feudal allegiance to William, but later betrays his feudal vows, accepting the crown of England for himself. Unworthy to be king, he dies in battle at the hands of William and the Normans.

Harold is a heroic figure at the beginning of the story, but then events overtake him. After his coronation, cheering crowds celebrate—until Halley's Comet crosses the sky (Fig. A). The Anglo-Saxons, seeing the comet as a portent of disaster, cringe and point at this brilliant ball of fire with a flaming



A. MESSENGERS SIGNAL THE APPEARANCE OF A COMET (HALLEY'S COMET), THE BAYEUX EMBROIDERY

tail, and a man rushes to inform the new king. Harold slumps on his throne in the Palace of Westminster. He foresees what is to come: Below his feet is his vision of a ghostly fleet of Norman ships already riding the waves.

Duke William has assembled the last great Viking flotilla on the Normandy coast.

The tragedy of this drama has spoken movingly to audiences over the centuries. It is the story of a good man who, like

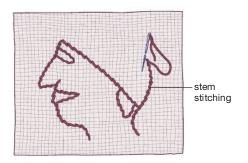


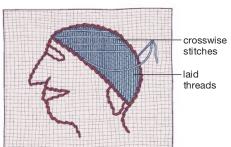
#### B. BISHOP ODO BLESSING THE FEAST, THE BAYEUX EMBROIDERY

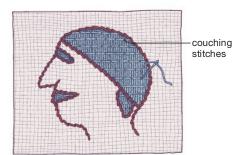
Norman-Anglo-Saxon embroidery from Canterbury, Kent, England, or Bayeux, Normandy, France. c. 1066–1082. Linen with wool, height 20" (50.8 cm). Centre Guillaume le Conquérant, Bayeux, France.

#### Odo and William are feasting before the battle. Attendants

bring in roasted birds on skewers, placing them on a makeshift table made of the knights' shields set on trestles. The diners, summoned by the blowing of a horn, gather at a curved table laden with food and drink. Bishop Odo—seated at the center, head and shoulders above William to his right—blesses the meal while others eat. The kneeling servant in the middle proffers a basin and towel so that the diners may wash their hands. The man on Odo's left points impatiently to the next event, a council of war between William (now the central and tallest figure), Odo, and a third man labeled "Rotbert," probably Robert of Mortain, another of William's halfbrothers. Translation of text: "and here the servants (ministra) perform their duty. / Here they prepare the meal (prandium) / and here the bishop blesses the food and drink (cibu et potu). Bishop Odo. William. Robert."

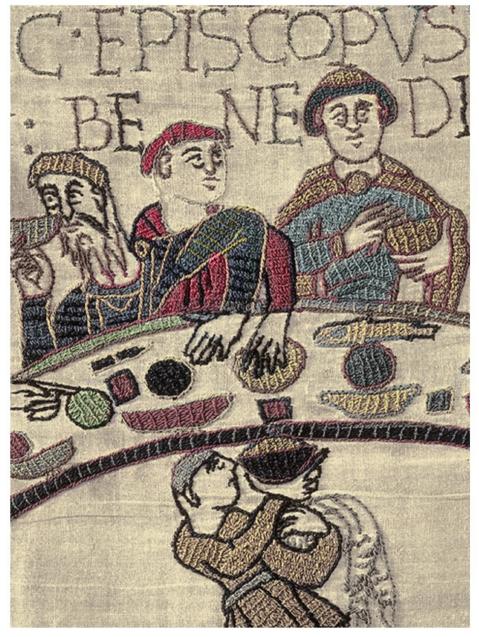






Shakespeare's Macbeth, is overcome by his lust for power and so betrays his lord. The images of this Norman invasion also spoke to people during the darkest days of World War II. When the Allies invaded Nazioccupied Europe in June 1944, they took the same route in reverse from England to beaches on the coast of Normandy. The Bayeux Embroidery still speaks to us of the folly of human greed and ambition and of two battles that changed the course of history.

Although traditionally referred to as the "Bayeux Tapestry," this work is really an embroidery. In tapestry, colored threads that form the images or patterns are woven in during the process of making the fabric itself; embroidery consists of stitches applied on top of an already woven fabric ground. The embroiderers, probably Anglo-Saxon women, worked in tightly twisted wool that was dyed in eight colors. They used only two stitches: the quick, overlapping stem stitch that produced a slightly jagged line or outline, and the timeconsuming laid-and-couched work used to form blocks of color. For the latter, the embroiderer first "laid" a series of long, parallel covering threads; then anchored them with a second layer of regularly spaced crosswise stitches; and finally tacked all the strands down with tiny "couching" stitches. Some of the laid-and-couched work was done in contrasting colors to achieve particular effects. The creative coloring is often fanciful: for example, some horses have legs in four different colors. Skin and other light-toned areas are represented by the bare linen cloth that formed the ground of the work.



C. DETAIL OF BISHOP ODO BLESSING THE FEAST, THE BAYEUX EMBROIDERY

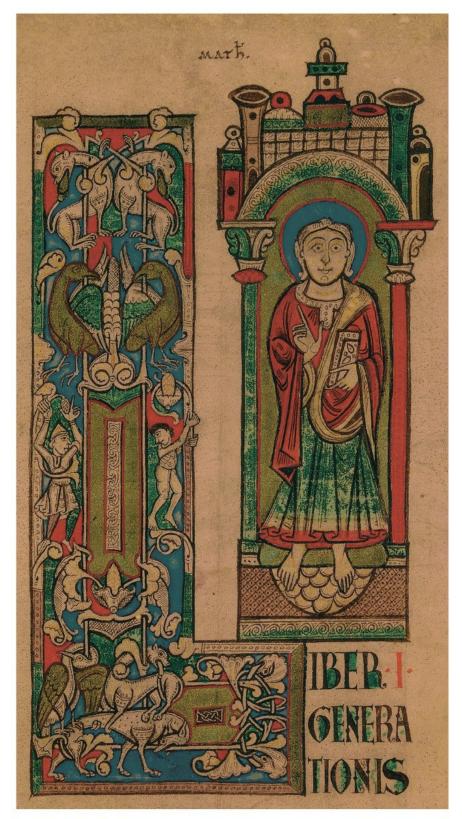
king had in 1130, in which his subjects demanded tax relief. The artist depicts the dreams with energetic directness. On the first night, angry farmers confront the sleeping king; on the second, armed knights surround his bed; and on the third, monks, abbots, and bishops present their case. In the fourth illustration, the king travels in a storm-tossed ship and saves himself by promising God that he will rescind the tax increase for seven years. The author of the Worcester Chronicle assured his readers that this story came from a reliable source, the royal physician Grimbald, who appears in the margins next to three of the scenes. The angry farmers capture our attention today because we seldom see working men with their equipment and simple clothing depicted in painting from this time.

#### SACRED BOOKS

Illustrated books played a key role in the transmission of artistic styles from one region to another. Monastic scriptoria continued to be the centers of production, which increased dramatically during the twelfth century. But the scriptoria sometimes employed lay scribes and artists who traveled from place to place. In addition to the books needed for the church services, scribes produced copies of sacred texts, scholarly commentaries, visionary devotional works, lives of saints, and collections of letters and sermons.

THE CODEX COLBERTINUS. The portrait of **ST. MATTHEW FROM THE CODEX COLBERTINUS** (FIG. 15–31) is an entirely Romanesque conception, quite different from Hiberno-Saxon and Carolingian author portraits. Like the sculptured pier figures of Silos (SEE FIG. 15–1), he stands within an architectural frame that completely surrounds him. He blesses and holds his book—rather than writing it—within the compact silhouette of his body. His dangling feet bear no weight, and his body has little sense of three-dimensionality, with solid blocks of color filling its strong outlines. The evangelist is almost part of the text—the opening lines of *Liber generationis*.

The text of Matthew's Gospel begins with a c. 1100. Tem complementary block of ornament left of the evangelist. The "L" of *Liber generationis* ("The book of the generation") is a framed picture formed of plants and animals—called a historiated initial. Dogs or catlike creatures and long-necked birds twist, claw, and bite each other and themselves while, in the center, two humans—one dressed and one nude—



**15-31 • ST. MATTHEW, FROM THE CODEX COLBERTINUS** c. 1100. Tempera on vellum, 7<sup>1</sup>/<sub>2</sub> × 4" (19 × 10.16 cm). Bibliothèque Nationale, Paris.

clamber up the letter. This manuscript was made in the region of Moissac at about the same time that sculptors were working on the abbey church, and the stacking of intertwined animals here recalls the outer face of the Moissac trumeau (SEE FIG. 15–23).



## ART AND ITS CONTEXTS

## Hildegard of Bingen

We might expect women to have a subordinate position in the hierarchical and militaristic society of the twelfth century. On the contrary, aristocratic women took responsibility for managing estates during their male relatives' frequent absences in wars or while serving at court. And women also achieved positions of authority and influence as the heads of religious communities. Notable among them was Hildegard of Bingen (1098-1179).

Born into an aristocratic German family, Hildegard transcended the barriers that limited most medieval women. She began serving as leader of her convent in 1136, and about 1147 she founded a new convent near Bingen. Hildegard also wrote important treatises on medicine and natural science, invented an alternate alphabet, and was one of the most gifted

and innovative composers of her age, writing not only motets and liturgical settings, but also a musical drama that is considered by many to be the first opera. Clearly a major, multitalented figure in the intellectual and artistic life of her time-comparison with the later Leonardo da Vinci comes to mind-she also corresponded with emperors, popes, and the powerful abbots Bernard of Clairvaux and Suger of Saint-Denis.

Following a command she claimed to have received from God in 1141, and with the assistance of her nuns and the monk Volmar, Hildegard began to record the mystical visions she had been experiencing since she was 5 years old. The resulting book, called the Scivias (from the Latin scite vias lucis, "know the ways of the light"), is filled not only with words but with striking images of the strange and wonderful visions themselves (FIG. A). The opening page (FIG. B) shows Hildegard receiving a flash of divine insight, represented by the tongues of flame encircling her head - she said, "a fiery light, flashing intensely, came from the open vault of heaven and poured through my whole brain"-while her scribe Volmar writes to her dictation. But was she also responsible for the arresting pictures that accompany the text in this book? Art historian Madeline Caviness thinks so. both because of their unconventional



#### A. Hildegard of Bingen THE UNIVERSE

1927-1933 facsimile of Part I, Vision 3 of the Liber Scivias of Hildegard of Bingen. Original, 1150-1175.

Hildegard begins her description of this vision with these words: "After this I saw a vast instrument, round and shadowed, in the shape of an egg, small at the top, large in the middle, and narrowed at the bottom; outside it, surrounding its circumference, there was a bright fire with, as it were, a shadowy zone under it. And in that fire there was a globe of sparkling flame so great that the whole instrument was illuminated by it."

nature and because they conform in several ways to the "visionary" effects experienced by many people during migraines, which plagued Hildegard

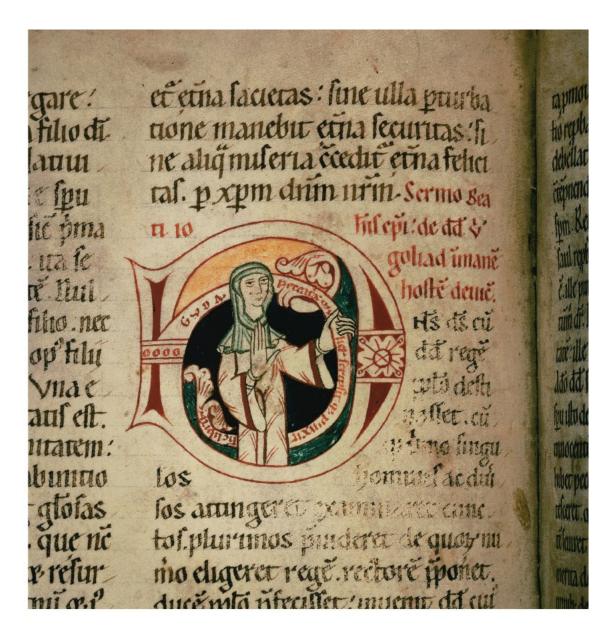
throughout her life but especially during her forties while she was composing the Scivias. She said of her visions, "My outward eyes are open. So I have never fallen prey to ecstacy in the visions, but I see them wide awake, day and night. And I am constantly fettered by sickness, and often in the grip of pain so intense that it threatens to kill me." (Translated in Newman, p. 16.)



From a 1927-1933 facsimile of the frontispiece of the Liber Scivias of Hildegard of Bingen. Original, 1150-1175.

This author portrait was once part of a manuscript of Hildegard's Scivias that many believe was made in her own lifetime, but it was lost in World War II. Today we can study its images only from prewar black-and-white photographs or from a full-color facsimile that was lovingly hand-painted by the nuns of the Abbey of St. Hildegard in Eigingen under the direction of Joesepha Krips between 1927 and 1933, the source of both pictures reproduced here.





15-32 • The Nun Guda BOOK OF HOMILIES Westphalia, Germany. Early 12th century. Ink on parchment. Stadtund Universitäts-Bibliothek, Frankfurt, Germany. MS. Barth. 42, fol. 110v

THE GERMAN NUN GUDA. In another historiated initial, this one from Westphalia in Germany, the nun Guda has a more modest presentation. In a **BOOK OF HOMILIES** (sermons), she inserted her self-portrait into the letter *D* and signed it as scribe and painter, "Guda, the sinful woman, wrote and illuminated this book" (FIG. 15–32). This is a simple colored drawing with darker blocks of color in the background, but Guda and her monastic sisters played an important role in the production of books in the twelfth century, and not all of them remain anonymous. Guda's image is the earliest signed self-portrait by a woman in western Europe. Throughout the Middle Ages, women were involved in the production of books as authors, scribes, painters, and patrons (see "Hildegard of Bingen," page 487).

A CISTERCIAN TREE OF JESSE. The Cistercians were particularly devoted to the Virgin Mary and are also credited with popularizing themes such as the Tree of Jesse as a device for showing her position as the last link in the genealogy connecting Jesus to King

David. (Jesse, the father of King David, was an ancestor of Mary and, through her, of Jesus.) A manuscript of St. Jerome's Commentary on Isaiah, made in the scriptorium of the Cistercian mother house of Cîteaux in Burgundy about 1125, contains an image of an abbreviated **TREE OF JESSE** (FIG. 15–33).

A monumental Mary, with the Christ Child sitting on her veiled arm, stands over the forking branches of the tree, dwarfing the sleeping patriarch, Jesse, from whose body a small tree trunk grows. The long, vertical folds of Mary's voluminous drapery—especially the flourish at lower right, where a piece of her garment billows up, as if caught in an updraft—recall the treatment of drapery in the portal at Autun (see "A Closer Look," page 478), also from Burgundy. The manuscript artist has drawn, rather than painted, with soft colors, using subtle tints that seem somehow in keeping with Cistercian restraint. Christ embraces his mother's neck, pressing his cheek against hers in a display of tender affection that recalls Byzantine icons of the period, like the Virgin of Vladimir (SEE FIG. 7–37). The foliate form Mary holds in her hands



15-33 • PAGE WITH THE TREE OF JESSE, EXPLANATIO IN ISAIAM (ST. JEROME'S COMMENTARY ON ISAIAH)

Abbey of Cîteaux, Burgundy, France. c. 1125. Ink and tempera on vellum, 15  $\times$  43 $_4$ " (38  $\times$  12 cm). Bibliothèque Municipale, Dijon, France. MS. 129, fol. 4v

could be a flowering sprig from the Jesse Tree, or it could be a lily symbolizing her purity.

The building held by the angel on the left equates Mary with the Church, and the crown held by the angel on the right is hers as queen of heaven. The dove above her halo represents the Holy Spirit; Jesse Trees often have doves sitting in the uppermost branches. In the early decades of the twelfth century, church doctrine came increasingly to stress the role of the Virgin Mary and the saints as intercessors who could plead for mercy on behalf of repentant sinners, and devotional images of Mary became increasingly popular during the later Romanesque period. As we will see, this popularity would continue into the Gothic period.

#### THINK ABOUT IT

- **15.1** Discuss what is meant by the term "Romanesque" and distinguish some of the key stylistic features associated with architecture in this style.
- 15.2 What is a pilgrimage site? How did pilgrimage sites function for medieval Christians? Ground your answer in a discussion of Santiago de Compostela (FIGS. 15–4, 15–5, 15–6), focusing on specific features that were geared towards pilgrims.
- 15.3 Compare and contrast two Romanesque churches from different regions of Europe. Explain the key aspects of each regional style.
- 15.4 Discuss the sculpture that was integrated into the exteriors of Romanesque churches. Why was it there? Whom did it address? What were the prominent messages? Make reference to at least one church discussed in this chapter.
- 15.5 Analyze one example of a Romanesque work of art in this chapter that tells a story of human frailty and a second work that focuses on an exemplary, holy life. Compare and contrast their styles and messages.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



**16-1 • SCENES FROM GENESIS** From the Good Samaritan Window, nave aisle, Cathedral of Notre-Dame, Chartres, France. Stained and painted glass. c. 1200–1210.

# GOTHIC ART OF THE TWELFTH AND THIRTEENTH CENTURIES

The Gothic style—originating in the powerful monasteries of the Paris region—dominated much of European art and architecture for 400 years. By the mid 12th century, advances in building technology, increasing financial resources, and new intellectual and spiritual aspirations led to the development of a new art and architecture that expressed the religious and political values of cloistered Christian communities. Soon bishops and rulers, as well as abbots, vied to build the largest and most elaborate churches. Just as residents of twentieth-century American cities raced to erect higher and higher skyscrapers, so too the patrons of western Europe competed during the Middle Ages in the building of cathedrals and churches with ever-taller naves and towers, diaphanous walls of glowing glass, and breathtakingly airy interiors that seemed to open in all directions.

The light captured in stained-glass windows created luminous pictures that must have captivated a faithful population whose everyday existence included little color, outside the glories of the natural world. And the light that passed through these windows transformed interior spaces into a many-colored haze. Walls, objects, and even people seemed to dissolve—dematerializing into color. Truly, Gothic churches became the glorious jeweled houses of God, evocations of the heavenly Jerusalem. They were also glowing

manifestations of Christian doctrine, and invitations to faithful living, encouraging worshipers to follow in the footsteps of the saints whose lives were frequently featured in the windows of Gothic churches. Stained glass soon became the major medium of monumental painting.

This detail from the GOOD SAMARITAN WINDOW at Chartres Cathedral (Fig. 16-1), created in the early years of the thirteenth century, well into the development of French Gothic architecture, includes scenes from Genesis, the first book of the Bible. The window portrays God's creation of Adam and Eve, and continues with their subsequent temptation, fall into sin, and expulsion from the paradise of the Garden of Eden to lead a life of work and woe. Adam and Eve's story is used here to interpret the meaning of the parable of the Good Samaritan for medieval viewers, reminding them that Christ saves them from the original sin of Adam and Eve just as the Good Samaritan saves the injured and abused traveler (SEE FIG. 16-12). The stained-glass windows of Gothic cathedrals were more than glowing walls activated by color and light; they were also luminous sermons, preached with pictures rather than with words. These radiant pictures were directed at a diverse audience of worshipers, drawn from a broad spectrum of medieval society, who derived multiple meanings from gloriously complicated works of art.

#### **LEARN ABOUT IT**

- **16.1** Investigate the ideas, events, and technical innovations that led to the development of Gothic architecture.
- **16.2** Contrast English and German styles of Gothic with their French prototypes.
- **16.3** Trace the development of stained glass as the major medium of monumental Gothic painting.
- **16.4** Appreciate how artists were able to communicate complex theological ideas in stained glass, sculpture, and illustrated books.
- **16.5** Analyze the relationship between the Franciscan ideals of empathy and the emotional appeals of sacred narrative painting and sculpture in Italy.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com

## THE EMERGENCE OF THE GOTHIC STYLE

In the middle of the twelfth century, a distinctive new architecture known today as Gothic emerged in the Île-de-France, the French royal domain around Paris (MAP 16–1). The appearance there of a new style and technique of building coincided with the emergence of the monarchy as a powerful centralizing force. Within 100 years, an estimated 2,700 Gothic churches, shimmering with stained glass and encrusted with sculpture, were built in the Île-de-France region alone.

Advances in building technology allowed progressively larger windows and even loftier vaults supported by more and more streamlined skeletal exterior buttressing. Soon, the Gothic style spread throughout western Europe, gradually displacing Romanesque forms while taking on regional characteristics inspired by them. Gothic prevailed until about 1400, lingering even longer in some regions. It was adapted to all types of structures, including

town halls and residences, as well as Christian churches and synagogues.

The term "Gothic" was popularized by the sixteenth-century Italian artist and historian Giorgio Vasari, who disparagingly attributed the by-then-old-fashioned style to the Goths, Germanic invaders who had "destroyed" the Classical civilization of the Roman Empire that Vasari preferred. In its own day the Gothic style was simply called "modern art" or the "French style."

#### THE RISE OF URBAN AND INTELLECTUAL LIFE

The Gothic period was an era of both communal achievement and social change. Although Europe remained rural, towns gained increasing prominence. They became important centers of artistic patronage, fostering strong communal identity by public projects and ceremonies. Intellectual life was also stimulated by the inter-action of so many people living side by side. Universities in Bologna, Padua, Paris, Cambridge, and Oxford supplanted monastic



MAP 16-1 • EUROPE IN THE GOTHIC ERA

The color changes on this map chart the gradual expansion of territory ruled by the king of France during the period when Gothic was developing as a modern French style.



## ART AND ITS CONTEXTS

## Abbot Suger on the Value of Art in Monasteries

Suger, who masterminded the reconstruction of the abbey church at Saint-Denis while he was its abbot (1122–1151), weighed in on the twelfth-century monastic debate concerning the appropriateness of elaborate art in monasteries (see "St. Bernard and Theophilus," page 464) both through the magnificence of the new church he built and by the way he described and discussed the project in the account he wrote of his administration of the abbey.

These are his comments on the bronze doors (destroyed in 1794):

Bronze casters having been summoned and sculptors chosen, we set up the main doors on which are represented the Passion of the Saviour and His Resurrection, or rather Ascension, with great cost and much expenditure for their gilding as was fitting for the noble porch...

The verses on the door are these:

Whoever thou art, if thou seekest to extol the glory of these doors, Marvel not at the gold and the expense but at the craftsmanship of the work.

Bright is the noble work; but being nobly bright, the work Should lighten the minds, so that they may travel, through the true lights.

To the True Light where Christ is the true door,

In what manner it be inherent in this world the golden door defines: The dull mind rises to truth through that which is material

And, in seeing this light, is resurrected from its former subversion.

On the lintel, just under the large figure of Christ at the Last Judgment on the tympanum, Suger had inscribed:

Receive, O stern Judge, the prayers of Thy Suger; grant that I be mercifully numbered among Thy own sheep.

(Translations from Panofsky, pp. 47, 49)

EXPLORE MORE: Gain insight from another primary source by Abbot Suger www.myartslab.com

and cathedral schools as centers of learning. Brilliant teachers like Peter Abelard (1079–1142) drew crowds of students, and in the thirteenth century an Italian theologian, Thomas Aquinas (1225–1274), made Paris the intellectual center of Europe.

A system of reasoned analysis known as scholasticism emerged from these universities, intent on reconciling Christian theology with Classical philosophy. Scholastic thinkers used a question-and-answer method of argument and arranged their ideas into logical outlines. Thomas Aquinas, the foremost Scholastic, applied Aristotelian logic to comprehend religion's supernatural aspects, setting up the foundation on which Catholic thought rests to this day. Some have seen a relationship between the development of these new ways of thinking and the geometrical order that permeates the design of Gothic cathedrals, as well as with the new interest in describing the appearance of the natural world in sculpture and painting.

#### THE AGE OF CATHEDRALS

Urban cathedrals, the seats of the ruling bishops, superseded rural monasteries as centers of religious culture and patronage. So many cathedrals were rebuilt between 1150 and 1400—often to replace earlier churches destroyed in the fires that were an unfortunate byproduct of population growth and housing density within cities—that some have dubbed the period the "Age of Cathedrals." Cathedral precincts functioned almost as towns within towns—

containing a palace for the bishop, housing for the clergy, and workshops for the multitude of artists and laborers necessary to support building campaigns. These gigantic churches certainly dominated their urban surroundings. But even if their grandeur inspired admiration, their enormous expense and some bishops' intrusive displays of power inspired resentment, even urban rioting.

#### **GOTHIC ART IN FRANCE**

The invention and initial flowering of the Gothic style in France took place against the backdrop of the growing power of the Capetian monarchy Louis VII (r. 1137–1180) and Philip Augustus (r. 1180–1223) consolidated royal authority in the Île-de-France and began to exert more control over powerful nobles in other regions. Louis VII's queen, Eleanor of Aquitaine, brought southwestern France into the royal domain, but when their marriage was annulled, Eleanor reclaimed her lands and married Henry Plantagenet—count of Anjou, duke of Normandy—who became King Henry II of England. The resulting tangle of conflicting claims kept France and England at odds for centuries.

As French kings continued to consolidate royal authority and to increase their domains and privileges, they also sparked a building boom with the growing centralization of their government in Paris, which developed from a small provincial town into a thriving urban center beginning in the middle of the twelfth century. Concentrated architectural activity in the capital may have provided the impetus—or perhaps simply the opportunity—for the developments in architectural technology and the new ways of planning and thinking about buildings that ultimately led to the birth of a new style.

## THE BIRTH OF GOTHIC AT THE ABBEY CHURCH OF SAINT-DENIS

The first Gothic building was the church of the Benedictine abbey of Saint-Denis, just north of Paris. This monastery had been founded in the fifth century over the tomb of St. Denis, the Early Christian martyr who had been sent from Rome to convert the local pagan population and was considered the first bishop of Paris.

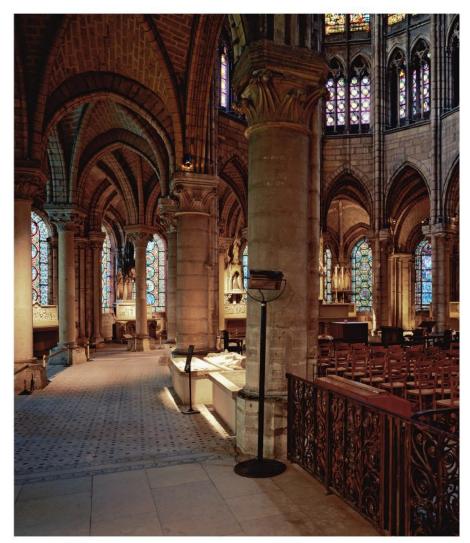
Early on, the abbey developed special royal significance. It housed tombs of the kings of France, the regalia of the French crown, and the relics of St. Denis, patron saint of France.

Construction began in the 1130s of a new church that was to replace the early medieval church at the abbey, under the supervision of Abbot Suger (abbot 1122-1151). In a written account of his administration of the abbey, Suger discusses the building of the church, a rare firsthand chronicle and justification of a medieval building program. Suger prized magnificence, precious materials, and especially fine workmanship (see "Abbot Suger on the Value of Art in Monasteries," page 493). He invited an international team of masons, sculptors, metalworkers, and glass painters, making this building site a major center of artistic exchange. Such a massive undertaking was extraordinarily expensive. The abbey received substantial annual revenues from the town's inhabitants, and Suger was not above forging documents to increase the abbey's landholdings, which constituted its principal source of income.

apsidal chapels ambulatory apse

16-2 • PLAN OF THE CHOIR OF THE ABBEY CHURCH OF SAINT-DENIS France. 1140–1144.

Suger began building c. 1135, with a new west façade and narthex attached to the old church, but it was in the new choir—completed in three years and three months between July 13, 1140, and June 14, 1144—where the fully formed Gothic architectural style first appeared. In his account of the reconstruction, Suger argues that that older building was inadequate to accommodate the crowds of pilgrims who arrived on feast days to venerate the body of St. Denis, and too modest to express the importance of the saint himself. In working with builders to conceive a radically new church design, he turned for inspiration to texts that were attributed erroneously to a follower of St. Paul named Dionysius (the Greek form of Denis), who considered radiant light a physical manifestation of God. Through the centuries, this Pseudo-Dionysius



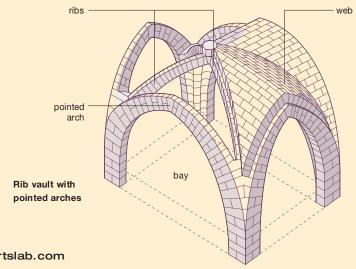
16-3 • AMBULATORY AND APSE CHAPELS OF THE ABBEY CHURCH OF SAINT-DENIS

France. 1140-1144.

Envisioning the completion of the abbey church with a transept, and presumably also a nave, Abbot Suger had the following inscription placed in the church to commemorate the 1144 dedication of the choir: "Once the new rear part is joined to the part in front, the church shines with its middle part brightened. For bright is that which is brightly coupled with the bright, and bright is the noble edifice which is pervaded by the new light." (Panofsky, p. 51).

## **ELEMENTS OF ARCHITECTURE | Rib Vaulting**

An important innovation of Romanesque and Gothic builders was **rib vaulting**. Rib vaults are a form of groin vault (see "Roman Vaulting," page 188), in which the diagonal ridges (groins) rest on and are covered by curved moldings called ribs. After the walls and piers of the building reached the desired height, timber scaffolding to support these masonry ribs was constructed. When the mortar of the ribs was set, the web of the vault was then laid on forms built on the ribs themselves. After all the temporary forms were removed, the ribs may have provided strength at the intersections of the webbing to channel the vaults' thrust outward and downward to the foundations; they certainly add decorative interest. In short, ribs formed the "skeleton" of the vault; the webbing, a lighter masonry "skin." In Late Gothic buildings, additional, decorative ribs give vaults a lacelike appearance.



SEE MORE: View a simulation about rib vaulting www.myartslab.com

also became identified with the martyred Denis whose body was venerated at the abbey, so Suger was adapting what he believed was the patron saint's concept of divine luminosity in designing the new abbey church with walls composed essentially of stained-glass windows. In inscriptions he composed for the bronze doors (now lost), he was specific about the motivations for the church's new architectural style: "being nobly bright, the work should lighten the minds, so that they may travel, through the true lights, to the True Light where Christ is the true door" (Panofsky, p. 49).

The PLAN OF THE CHOIR (FIG. 16-2) retains key features of the Romanesque pilgrimage church (SEE FIG. 15-6), with a semicircular apse surrounded by an ambulatory, around which radiate seven chapels of uniform size. And the structural elements of the choir had already appeared in Romanesque buildings, including pointed arches, ribbed groin vaults, and external buttressing that relieves stress on the walls. The most dramatic achievement of Suger's builders was the coordinated use of these features to create an architectural whole that emphasized open, flowing space, enclosed by non-load-bearing walls of colorful, glowing stained glass (FIG. 16-3). As Suger himself put it, the church becomes "a circular string of chapels by virtue of which the whole would shine with the wonderful and uninterrupted light of most luminous windows, pervading the interior beauty" (Panofsky, p. 101). And since Suger saw the contemplation of light as a means of illuminating the soul and uniting it with God, he was providing his monks with an environment especially conducive to their primary vocation of prayer and meditation.

The revolutionary stained-glass windows of Suger's Saint-Denis were almost lost in the wake of the French Revolution, when this royal abbey represented everything the new leaders were intent on suppressing. Thanks to an enterprising antiquarian named Alexandre Lenoir, however, the twelfth-century windows, though removed from their architectural setting, were saved from destruction. During the nineteenth century, parts of them returned to the abbey, but many panels are now in museums. One of the best-preserved panels—from a window that narrated Jesus' child-hood—portrays **THE FLIGHT INTO EGYPT (FIG. 16–4)**. The crisp elegance of the delineation of faces, foliage, and drapery—painted with vitreous enamel on the vibrantly colored pieces of glass that make up the panel (see "Stained-Glass Windows," page 497)—is almost as clear today as it was when the windows were new. One unusual detail—the Virgin reaching to pick a date from a palm tree that has bent down at the infant Jesus' command to accommodate her hungry grasp—is based on an apocryphal Gospel that was not included in the canonical Christian scriptures but that was a very popular source for twelfth-century artists.

Louis VII and Eleanor of Aquitaine attended the consecration of the new choir in June 1144, along with a constellation of secular and sacred dignitaries. Since the bishops and archbishops of France were assembled at the consecration—celebrating Mass simultaneously at altars throughout the choir and crypt—they had the opportunity to experience firsthand this new Gothic style of building. The history of French architecture over the next few centuries indicates that they were quite impressed.

#### **GOTHIC CATHEDRALS**

The abbey church of Saint-Denis became the prototype for a new architecture of space and light based on a highly adaptable skeletal framework that supported rib vaulting on the points of slender piers—rather than massive Romanesque walls—reinforced by external buttress systems. It initiated a period of competitive experimentation in France that resulted in ever-larger churches—principally cathedrals—enclosing increasingly taller interior spaces, walled with ever-greater expanses of stained glass.

# 16-4 • THE FLIGHT INTO EGYPT

From the Incarnation (Infancy of Christ)
Window, axial choir chapel, abbey church of Saint-Denis, c. 1140–1144.
The Glencairn
Museum, Bryn Athyn, Pennsylvania.



THE CATHEDRAL OF NOTRE-DAME IN PARIS. The CATHEDRAL **OF NOTRE-DAME** ("Our Lady," the Virgin Mary) in Paris—known today simply as Notre-Dame—bridges the period between Abbot Suger's rebuilding of his abbey church and the High Gothic cathedrals of the thirteenth century (FIG. 16-5). The building was begun in the 1160s with the choir, and it was essentially complete by the middle of the thirteenth century with the achievement of the façade. To increase the window size and secure the soaring 115-foot-high vault, builders here employed the first true flying buttresses, probably during the 1180s. The flying buttress, a gracefully arched, skeletal exterior support, counters the lateral thrust of the nave vault and transfers its weight outward, over the side aisles, where it is resolved into and supported by a vertical external buttress, rising from the ground. During the thirteenth century, builders modernized Notre-Dame by reworking the two upper levels into the large clerestory windows we see today. The huge, spiderlike flying buttress system visible to modern visitors is

the result of even later remodeling. The original flying buttresses were more modest quadrant arches, but they represented a structural innovation that would become central to the future development of Gothic architecture.

THE CATHEDRAL OF NOTRE-DAME IN CHARTRES. The new conceptions of space and wall, and the structural techniques that made them possible, initiated at Saint-Denis and expanded at Notre-Dame in Paris, were developed further at Chartres. The great cathedral dominates this town southwest of Paris and, for many people, is a near-perfect embodiment of the Gothic style in stone and glass. Constructed in several stages beginning in the mid twelfth century and extending into the mid thirteenth, with additions such as the north spire as late as the sixteenth century, Chartres Cathedral reflects the transition from an experimental twelfth-century architecture to a mature thirteenth-century style.

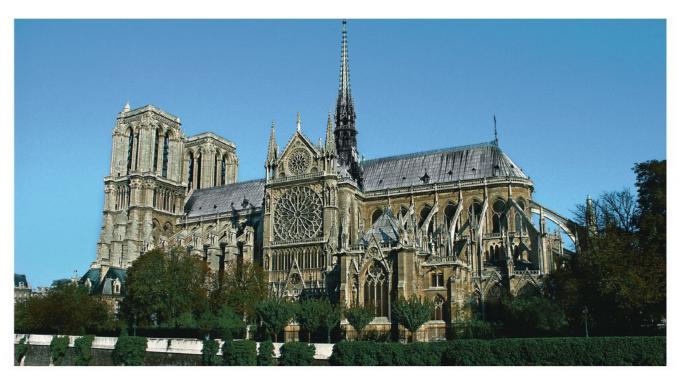
### **TECHNIQUE | Stained-Glass Windows**

The "wonderful and uninterrupted light" that Suger sought in the reconstruction of the choir of Saint-Denis in the 1140s was provided by stained-glass artists that -as he tells us -he called in from many nations to create glowing walls for the radiating chapels, perhaps the clerestory as well. As a result of their exquisite work, this influential building program not only constituted a new architectural style; it catapulted what had been a minor curiosity among pictorial techniques into the major medium of monumental European painting. For several centuries, stained glass would be integral to architectural design, not decoration added subsequently to a completed building. Windows were produced at the same time as masons were building walls and carving capitals and moldings.

Our knowledge about the medieval art of stained glass is based on a precious twelfth-century text-De Diversis Artibus (On the Various Arts)—written by a German monk who called himself Theophilus Presbyter (see "St. Bernard and Theophilus," page 464). In fact, the basic procedures of producing a stained-glass window have changed little since the Middle Ages. It is not a lost art, but it is a complex and costly process. The glass itself was made by bringing sand and ash to the molten state under intense heat, and "staining" it with color through the addition of metallic oxides. This molten material was then blown

and flattened into sheets. Using a cartoon (full-scale drawing) painted on a whitewashed board as a guide, the glass painter would cut from these sheets the individual shapes of color that would make up a figural scene or ornamental passage. This was done with a hot iron that would crack the glass into a rough approximation that could be refined by chipping away at the edges carefully with an iron tool-a process called grozing—to achieve the precise shape needed in the composition.

The artists used a vitreous paint (made, Theophilus tells us, of iron filings and ground glass suspended in wine or urine) at full strength to block light and delineate features such as facial expressions or drapery folds. It could also be diluted to create modeling washes. Once painted, the pieces of glass would be fired in a kiln to fuse the painting with the glass surface. Only then did the artists assemble these shapes of color -like pieces of a complex compositional puzzle -with strips of lead (called cames), and subsequently mount a series of these individual panels on an iron framework within the architectural opening to form an ensemble we call a stained-glass window. Lead was used in the assembly process because it was strong enough to hold the glass pieces together but flexible enough to bend around their complex shapes and -perhaps more critically-to absorb the impact from gusts of wind and prevent the glass itself from cracking under pressure.

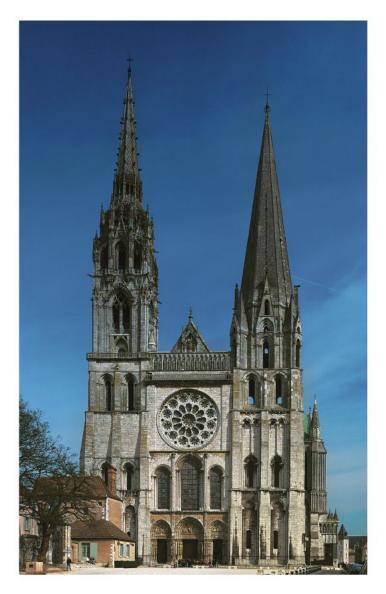


16-5 • CATHEDRAL OF NOTRE-DAME, PARIS

Begun 1163; choir chapels, 1270s; crossing spire, 19th-century. View from the south.

For all its spiritual and technological glory, Notre-Dame barely survived the French Revolution. The revolutionaries decapitated the statues associated with deposed nobility and their "superstitious" religion, and transformed the cathedral into a secular "Temple of Reason" (1793-1795). But it would not be long until Notre-Dame was returned to religious use. Napoleon crowned himself emperor at its altar in 1804, and Parisians gathered there to celebrate the liberation of Paris from the Nazis in August 1944. Today, boats filled with tourists glide under bridges that link the island where the cathedral stands with the Left Bank, the traditional students' and artists' quarter. Notre-Dame so resonates with the life and history of the city that it has become more than a house of worship and work of art, it is a symbol of Paris itself.

SEE MORE: View panoramas of the Cathedral of Notre-Dame, Paris www.myartslab.com



## 16-6 • WEST FAÇADE, CHARTRES CATHEDRAL (THE CATHEDRAL OF NOTRE-DAME)

France. West façade begun c. 1134; cathedral rebuilt after a fire in 1194; building continued to 1260; north spire 1507–1513.

SEE MORE: View panoramas of Chartres Cathedral www.myartslab.com

Chartres was the site of a pre-Christian virgin-goddess cult, and later, dedicated to the Virgin Mary, it became one of the oldest and most important Christian shrines in France. Its main treasure was a piece of linen believed to have been worn by the Virgin Mary when she gave birth to Jesus. This relic was a gift from the Byzantine empress Irene to Charlemagne, whose grandson Charles the Bald donated it to Chartres in 876. It was kept below the high altar in a huge basement crypt. The healing powers attributed to the cloth made Chartres a major pilgrimage destination, especially as the cult of the Virgin grew in popularity in the twelfth and thirteenth centuries. Its association with important market fairsespecially cloth markets—held at Chartres on the feast days of the Virgin put the textile relic at the intersection of local prestige and the local economy, increasing the income of the cathedral not only through pilgrimage but also through tax revenue it received from the markets.

The west façade of Chartres preserves an early sculptural program created within a decade of the reconstruction of Saint-Denis (FIG. 16–6). Surrounding these three doors—the so-called Royal Portal, used not by the general public but only for important ceremonial entrances of the bishop and his retinue—sculpted figures calmly and comfortably fill their architectural settings. On the central tympanum, Christ is enthroned in majesty, returning at the end of time surrounded by the four evangelists (FIG. 16–7).



16-7 • ROYAL
PORTAL, WEST
FAÇADE, CHARTRES
CATHEDRAL
c. 1145-1155.

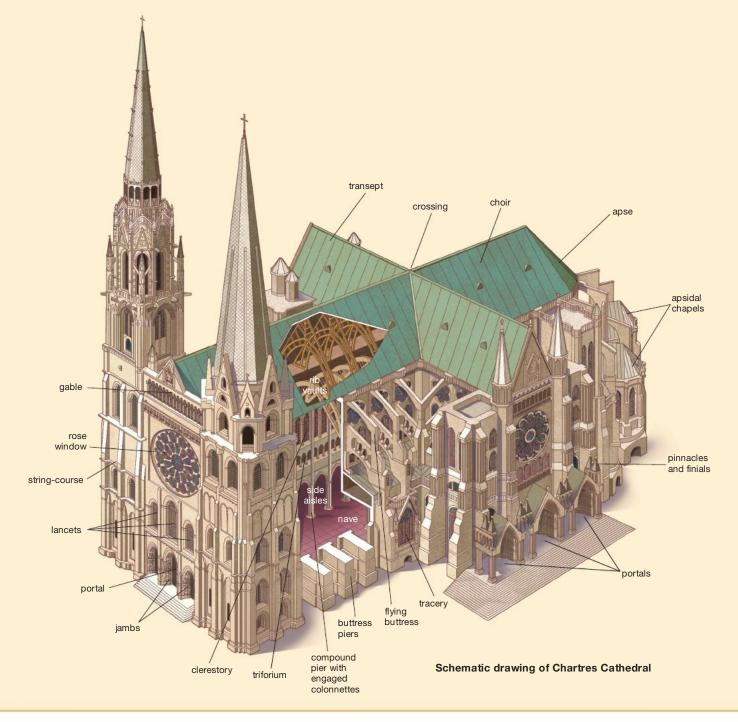
#### EXPLORE MORE:

Gain insight from a primary source related to the building of Chartres Cathedral www.myartslab.com

## **ELEMENTS OF ARCHITECTURE | The Gothic Church**

Most large Gothic churches in western Europe were built on the Latin cross plan, with a projecting transept marking the transition from nave to choir, an arrangement that derives ultimately from the fourthcentury, Constantinian basilica of Old St. Peter's (see page 228, FIG. A). The main entrance portal was generally on the west, with the choir and its apse on the east. A western narthex could precede the entrance to the nave and side aisles. An ambulatory with radiating chapels circled the apse and facilitated the movement of worshipers through the church. Many Gothic churches have a three-story elevation, with a triforium sandwiched between the nave arcade and a glazed clerestory. Rib vaulting usually covered all spaces. Flying buttresses helped support the soaring nave vaults by transferring their outward thrust over the

aisles to massive, free-standing, upright external buttresses. Church walls were decorated inside and out with arcades of round or pointed arches, engaged columns and colonnettes, an applied filigree of tracery, and horizontal moldings called stringcourses. The pitched roofs above the vaults-necessary to evacuate rainwater from the buildingwere supported by wooden frameworks. A spire or crossing tower above the junction of the transept and nave was usually planned, though often never finished. Portal façades were also customarily marked by high, flanking towers or gabled porches ornamented with pinnacles and finials. Architectural sculpture proliferated on each portal's tympanum, archivolts, and jambs, and in France a magnificent rose window typically formed the centerpiece of the flat portal façades.



Although imposing, he seems more serene and more human than in the hieratic and stylized portrayal of the same subject at Moissac (SEE FIG. 15–22). The apostles, organized into four groups of three fill the lintel, and the 24 Elders of the Apocalypse line the archivolts.

The right portal is dedicated to the Incarnation (God's first earthly appearance), highlighting the role of Mary in the early life of Christ, from the Annunciation to the Presentation in the Temple. On the left portal is the Ascension (the Incarnate God's return from earth to heaven). Jesus floats heavenward in a cloud, supported by angels. Running across all three portals, historiated capitals, on the top of the jambs just underneath the level of the lintels, depict Jesus' life on Earth in a series of small, lively narrative scenes.

Flanking all three openings on the jambs are serenely calm column statues (FIG. 16–8)—kings, queens, and prophets from the Hebrew Bible, evocations of Christ's royal and spiritual ancestry, as well as a reminder of the close ties between the Church and the French royal house. The prominence of kings and queens here is what has given the Royal Portal its name. The elegantly elongated proportions and linear, but lifelike, drapery of these column statues echo the cylindrical shafts behind them. Their meticulously carved, idealized heads radiate a sense of beatified calm. In fact, tranquility and order prevail in the overall design as well as in the individual components of this portal, a striking contrast to the dynamic configurations and energized figures on the portals of

Romanesque churches.

The bulk of Chartres Cathedral was constructed after a fire in 1194 destroyed an earlier Romanesque church but spared the Royal Portal, the windows above it, and the crypt with its precious relics. A papal representative convinced reluctant local church officials to rebuild. He argued that the Virgin had permitted the fire because she wanted a new and more beautiful church to be built in her honor. Between 1194 and about 1260 that new cathedral was built (see "The Gothic Church," page 499).

Such a project required vast resources-money, raw materials, and skilled labor (see "Master Masons," opposite). A contemporary painting shows a building site with the masons at work (FIG. 16-9). Carpenters have built scaffolds, platforms, and a lifting machine. Master stonecutters measure and cut the stones; workers carry and hoist the blocks by hand or with a lifting wheel. Thousands of stone had to be accurately cut and placed. In the illustration a laborer carries mortar up a ladder to men working on the top of the wall, where the lifting wheel delivers cut stones. To support this work, the bishop and cathedral officials usually pledged all

### 16-8 • ROYAL PORTAL, WEST FAÇADE, CHARTRES CATHEDRAL

Detail: prophets and ancestors of Christ (kings and queens of Judea). Right side, Central Portal. c. 1145–1155.



## ART AND ITS CONTEXTS

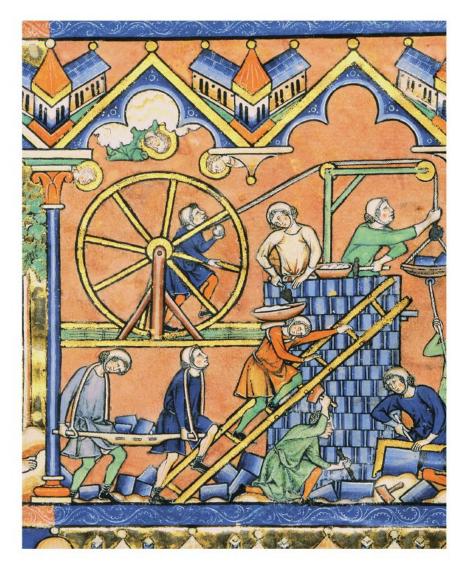
### Master Masons

Master masons oversaw all aspects of church construction in the Middle Ages, from design and structural engineering to construction and decoration. The master mason at Chartres coordinated the work of roughly 400 people scattered, with their equipment and supplies, across many locations, from distant stone quarries to high scaffolding. It has been estimated that this workforce set in place some 200 blocks of stone each day.

Funding shortages and technical delays, such as the need to let mortar harden for three to six months, made construction sporadic, so master masons and their crews moved constantly from job to job, with several masters and many teams of masons often contributing to the construction of a single building. Fewer than 100 master builders are estimated to have been responsible for all the major architectural projects around Paris during the century-long building boom there, some of them working on parts of as many as 40 churches. This was dangerous work. Masons were always at risk of injury, which could cut

short a career in its prime. King Louis IX of France actually provided sick pay to a mason injured in the construction of Royaumont Abbey in 1234, but not all workers were this lucky. Master mason William of Sens, who supervised construction at Canterbury Cathedral, fell from a scaffold. His grave injuries forced him to return to France in 1178 because of his inability to work. Evidence suggests that some medieval contracts had pension arrangements or provisions that took potential injury or illness into account, but some did not.

Today the names of more than 3,000 master masons are known to us, and the close study of differences in construction techniques often discloses the participation of specific masters. Master masons gained in prestige during the thirteenth century as they increasingly differentiated themselves from the laborers they supervised. In some cases their names were prominently inscribed in the labyrinths on cathedral floors. From the thirteenth century on, in what was then an exceptional honor, masters were buried, along with patrons and bishops, in the cathedrals they built.



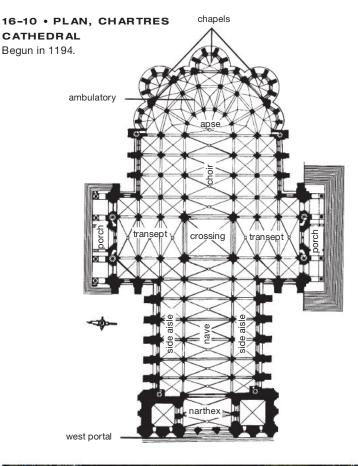
or part of their incomes for three to five, even ten years. Royal and aristocratic patrons joined in the effort. In an ingenious scheme that seems very modern, the churchmen at Chartres solicited contributions by sending the cathedral relics, including the Virgin's tunic, on tour as far away as England.

As the new structure rose higher during the 1220s, the work grew more costly and funds dwindled. But when the bishop and the cathedral clergy tried to make up the deficit by raising feudal and commercial taxes, the townspeople drove them into exile for four years. This action in Chartres was not unique; people often opposed the building of cathedrals because of the burden of new taxes. The economic privileges claimed by the Church for the cathedral sparked intermittent uprisings by townspeople and the local nobility throughout the thirteenth century.

Building on the principles pioneered at Saint-Denis—a glass-filled masonry skeleton enclosing a large open space—the masons at Chartres erected a church over 45 feet wide with vaults that soar approximately 120 feet above the floor. As at Saint-Denis, the plan is rooted in the Romanesque

#### 16-9 • MASONS AT WORK

Detail of a miniature from a Picture Bible made in Paris during the 1240s. Pierpont Morgan Library, New York. Ms. M638, fol. 3r





pilgrimage plan, but with a significantly enlarged sanctuary occupying a full third of the building (FIG. **16–10)**. The Chartres builders codified what were to become the typical Gothic structural devices: pointed arches and ribbed groin vaults rising from compound piers over rectangular bays, supported by exterior flying buttresses (FIG. 16-11). The skillful use of the newly discovered flying buttress system permitted much larger clerestory windows, nearly equal in height to the nave arcade; the band between upper and lower stories was now occupied by a triforium (arcaded wall passageway) rather than a tall gallery. The alternating heavy and light piers typical of Romanesque naves such as those at Speyer and Durham cathedrals (SEE FIGS. 15–16, 15–18) become a very subtle alternation at Chartres between round and octagonal compound pier cores.

In Romanesque churches, worshipers are mainly drawn forward toward the apse, which is often more brilliantly illuminated than the nave. But at Chartres, visitors are drawn upward as well, to the glowing clerestory windows flanking the soaring vaults. The large and luminous clerestory is formed by paired lancets (tall openings with pointed tops), surmounted by small circular rose windows. The technique used is known as plate tracery—holes are cut into the stone wall and nearly half the wall surface is filled with stained glass.

Chartres is unusual among French Gothic buildings in that most of its stained-glass windows have survived. Stained glass is an enormously expensive and complicated medium of painting, but its effect on the senses and emotions made the effort worthwhile for medieval patrons and builders. By 1260, glass painters had installed about 22,000 square feet of stained glass in 176 windows (see "Stained-Glass Windows," page 497). Most of the glass dates from between about 1200 and 1250, but a few earlier windows, from the 1150s—comparable in style to the windows of Suger's Saint-Denis—survived the fire of 1194 and were maintained in the west wall above the Royal Portal.

In the aisles and chapels, where the windows were low enough to be easily seen, were elaborate multiscene narratives, with small figures composed into individual episodes within the irregularly shaped compartments of windows designed as stacked medallions set against dense, multicolored fields of ornament. Art historians refer to these as cluster medallion windows. The **GOOD SAMARITAN WINDOW** 

**16-11 • NAVE, CHARTRES CATHEDRAL** c. 1194-1220.

of c. 1200–1210 in the nave aisle is a typical example of the design (FIG. 16–12). Its learned allegory on sin and salvation also typifies the complexity of Gothic narrative art.

The principal subject is a parable Jesus told his followers to teach a moral truth (Luke 10:25-37). The protagonist is a traveling Samaritan who cares for a stranger, beaten, robbed, and left for dead by thieves on the side of a road. Jesus' parable is an allegory for his imminent redemption of humanity's sins, and within this window a story from Genesis is juxtaposed with the parable to underscore that association (SEE FIG. 16-1). Adam and Eve's fall introduced sin into the world, but Christ (the Good Samaritan) rescues humanity (the traveler) from sin (the thieves) and ministers to them within the Church, just as the Good Samaritan takes the wounded traveler for refuge and healing to an inn (bottom scene, FIG. 16-1). Stylistically, these willowy, expressive figures avoid the classicizing stockiness in Wiligelmo's folksy Romanesque rendering of the Genesis narrative at Modena (SEE FIG. 15-21). Instead they take the dancelike postures that will come to characterize Gothic figures as the style spreads across Europe in ensuing centuries.

In the clerestory windows, the Chartres glaziers mainly used not multiscene narratives, but large-scale single figures that could be seen at a distance because of their size, bold drawing, and strong colors. Iconic ensembles were easier to "read" in lofty openings more removed from viewers, such as the huge north transept rose window (over 42 feet in diameter) with five lancets beneath it (FIG. 16–13), which proclaims the royal and priestly heritage of Mary and Jesus, and through them of the Church itself. In the central lancet, St. Anne holds her daughter, the baby Mary, flanked left to right by statuesque figures of Hebrew Bible leaders Melchizedek, David, Solomon, and Aaron. Above, in the very center of the rose window itself, Mary and Jesus are enthroned, surrounded by a radiating array of doves, angels, and kings and prophets from the Hebrew Bible.

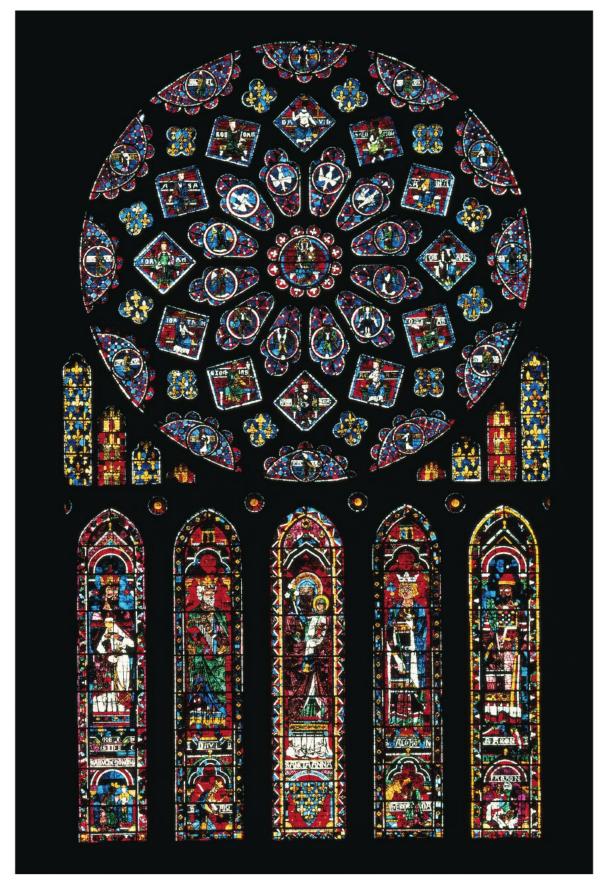
This vast wall of glass was a gift from the young King Louis IX (r. 1226–1270), perhaps arranged by his powerful mother, Queen Blanche of Castile (1188–1252), who ruled as regent 1226–1234 during Louis's minority. Royal heraldic emblems secure the window's association with the king. The arms of France—golden feurs-de-lis on a blue ground—fill a prominent shield under St. Anne at the bottom of the central lancet. Fleurs-de-lis also appear in the graduated lancets bracketing the base of the rose window and in a series of quatrefoils (four-lobed designs) within the rose itself. But also prominent is the Castilian device of golden castles on a red ground, a reference to the royal lineage of Louis' powerful

16-12 • GOOD SAMARITAN WINDOW

South nave aisle, Chartres Cathedral. Stained and painted glass. c. 1200–1210.

SEE MORE: View a video about the stained glass at Chartres Cathedral www.myartslab.com





**16-13 • ROSE WINDOW AND LANCETS, NORTH TRANSEPT, CHARTRES CATHEDRAL** France. Stained and painted glass. c. 1230–1235.

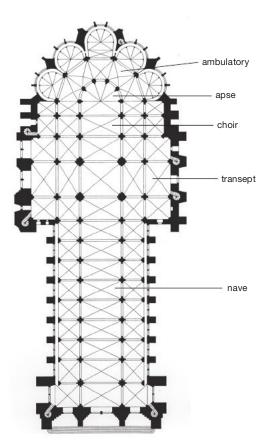
**EXPLORE MORE:** Gain insight from a primary source related to the stained glass at Chartres Cathedral **www.myartslab.com** 

mother. Light radiating from the deep blues and reds creates a hazy purple atmosphere in the soft light of the north side of the building. On a sunny day the masonry may seem to dissolve in color, but the bold theological and political messages of the rose window remain clear.

THE CATHEDRAL OF NOTRE-DAME IN REIMS. Reims Cathedral, northeast of Paris in the region of Champagne, was the coronation church of the kings of France and, like Saint-Denis, had been a cultural and educational center since Carolingian times. When, in 1210, fire destroyed this historic building, the community at Reims began to erect a new Gothic structure, planned as a large basilica (FIG. 16–14) similar to the model set earlier at the Cathedral of Chartres (SEE FIG. 16–10), only at Reims priority is given to an

extended nave rather than an expanded choir, perhaps a reference to the processional emphasis of the coronation ceremony. The cornerstone of the cathedral was laid in 1211, and work continued throughout the century. The expense of the project sparked such local opposition that twice in the 1230s revolts drove the archbishop and canons into exile. At Reims, five master masons directed the work on the cathedral over the course of a century—Jean d'Orbais, Jean le Loup, Gaucher de Reims, Bernard de Soissons, and Robert de Coucy.

The west front of the Cathedral of Reims is a magnificent ensemble, in which almost every square inch of stone surface seems encrusted with sculptural decoration (FIG. 16–15). Its tall gabled portals form a broad horizontal base and project forward to display an expanse of sculpture, while the tympana they enclose

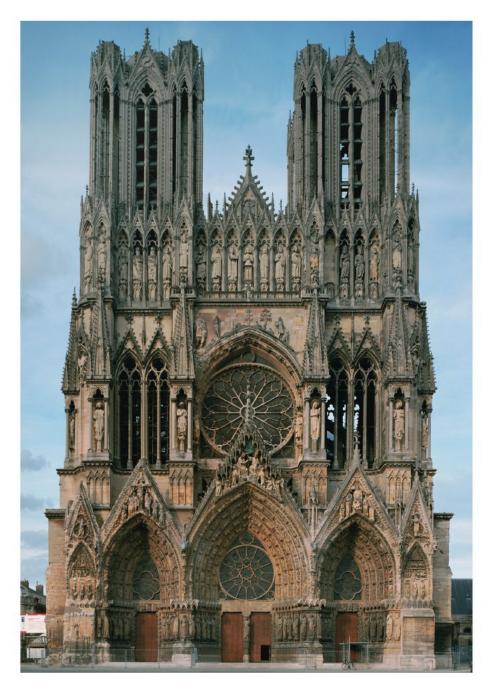


16-14 • PLAN, CATHEDRAL OF NOTRE-DAME, REIMS
France. Begun in 1211.

## 16-15 • WEST FAÇADE, CATHEDRAL OF NOTRE-DAME, REIMS

France. Rebuilding begun 1211; façade begun c. 1225; to the height of rose window by 1260; finished for the coronation of Philip the Fair in 1286; towers left unfinished 1311; additional work 1406–1428.

SEE MORE: View panoramas of Reims Cathedral www.myartslab.com

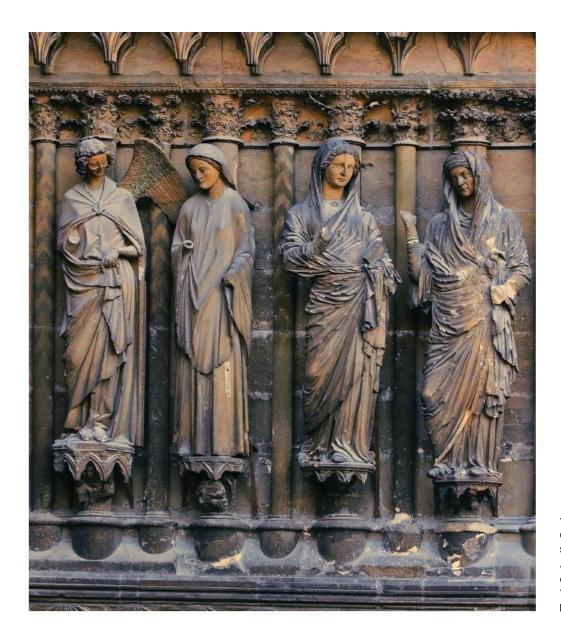


are filled with stained-glass windows rather than stone carvings. Their soaring peaks—the middle one reaching to the center of the dominating rose window—unify the façade vertically. In a departure from tradition, Mary rather than Christ is featured in the central portal, a reflection of the growing popularity of her cult. Christ crowns her as queen of heaven in the central gable. The towers were later additions, as was the row of carved figures that runs from the base of one tower to the other above the rose window. This "gallery of kings" is the only strictly horizontal element of the façade.

The sheer magnitude of sculpture envisioned for this elaborate cathedral front required the skills of many sculptors, working in an impressive variety of styles over several decades. Four figures from the right jamb of the central portal illustrate the rich stylistic diversity (FIG. 16–16). The pair on the right portrays the Visitation, in which Mary (left), pregnant with Jesus, visits her older cousin, Elizabeth (right), pregnant with St. John the Baptist. The sculptor of these figures, active in Reims about 1230–1235, drew heavily on

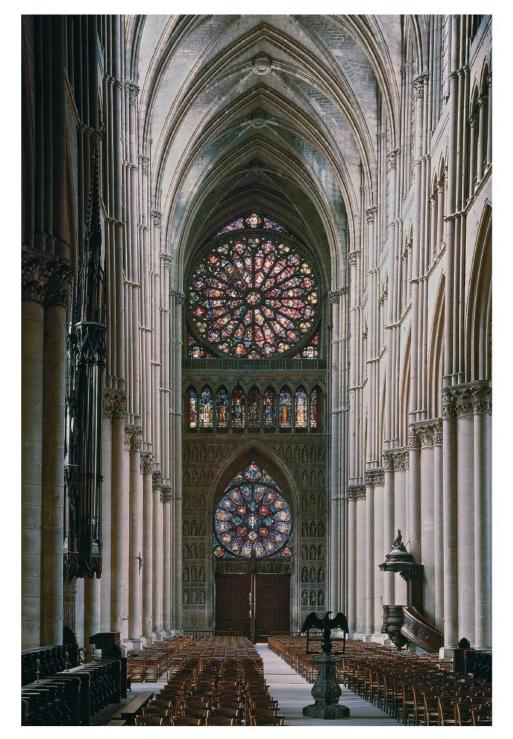
ancient sources. Reims had been a major Roman city, and there were remaining Roman works at the disposal of medieval sculptors. The bulky bodies show the same solidity seen in Roman sculpture (see "Roman Portraiture," page 170), and the women's full faces, wavy hair, and heavy mantles recall imperial portrait statuary, even in their use of the two imperial facial ideals of unblemished youth (Mary) and aged accomplishment (Elizabeth) (compare FIGS. 6–36, 6–37). The figures shift their weight to one leg in contrapposto as they turn toward each other in conversation.

The pair to the left of the Visitation enacts the Annunciation, in which the archangel Gabriel announces to Mary that she will bear Jesus. This Mary's slight body, broad planes of simple drapery, restrained gesture, inward focus, and delicate features contrast markedly with the bold tangibility of the Mary in the Visitation next to her. She is clearly the work of a second sculptor. The archangel Gabriel (at the far left) represents a third artist, active at the middle of the century. This sculptor created tall, gracefully swaying figures with small, fine-featured heads, whose



16-16 • WEST FAÇADE, CENTRAL PORTAL, RIGHT SIDE, REIMS CATHEDRAL Annunciation (left pair: Mary [right] c. 1240, angel [left] c. 1250) and Visitation (right pair: Mary [left] and Elizabeth [right] c. 1230).

**16-17 • NAVE, REIMS CATHEDRAL** Begun 1211; nave c. 1220. View toward west.



enlarged colonnette at the middle of the triforium. This design feature was certainly noticed by one contemporary viewer, since it is (over)emphasized in the drawings Villard de Honnecourt made during a visit to Reims Cathedral c. 1230 (see "Villard de Honnecourt," page 510). Villard also highlighted one of the principal innovations at Reims: the development of bar tracery, in which thin stone bars, called mullions, are inserted into an expansive opening in the wall to form a lacy framework for the stained glass (see rose window in FIG. 16-17). Bar tracery replaced the older plate tracery-still used at Chartres-and made possible even larger areas of stained glass in relation to wall surface.

A remarkable ensemble of sculpture and stained glass fills the interior west wall at Reims, which visually "dissolves" in the glow of colored light within delicate mullions of bar tracery. A great rose window fills the clerestory level; a row of lancets illuminates the triforium; and a smaller rose window replaces the stone of the portal tympanum. The lower level is anchored visually by an expanse of sculpture covering the inner wall of the façade. Here ranks of carved prophets and royal ancestors represent moral guides for the newly crowned monarchs who faced them while processing down the elongated nave and out of the cathedral following the coronation ceremony as they began the job of ruling France.

precious expressions, carefully crafted hairdos, and mannered poses of aristocratic refinement grew increasingly to characterize the figural arts in later Gothic sculpture and painting. These characteristics became the basis for what is called the International Gothic Style, fashionable across Europe well into the fifteenth century.

Inside the church (FIG. 16–17), the wall is designed, as at Chartres, as a three-story elevation with nave arcade and clerestory of equal height divided by the continuous arcade of a narrow triforium passageway. The designer at Reims gives a subtle emphasis to the center of each bay in the wall elevation, coordinating the central division of the clerestory into two lancets with a slightly

### ART IN THE AGE OF ST. LOUIS

During the time of Louis IX (r. 1226–1270; canonized as St. Louis in 1297), Paris became the artistic center of Europe. Artists from all over France were lured to the capital, responding to the growing local demand for new and remodeled buildings, as well as to the international demand for the extraordinary works of art that were the specialty of Parisian commercial workshops. Especially valued were small-scale objects in precious materials and richly illuminated manuscripts. The Parisian style of this period is often called the "Court Style," since its association with the court of St. Louis was one reason it spread beyond the capital to the courts of



# THE OBJECT SPEAKS

### The Sainte-Chapelle in Paris

In 1237, Baldwin II, Latin ruler of Constantinople-descendant of the crusaders who had snatched the Byzantine capital from Emperor Alexius III Angelus in 1204 - was in Paris, offering to sell the relic of Christ's crown of thorns to his cousin, King Louis IX of France. The relic was at that time hocked in Venice, securing a loan to the cash-poor Baldwin, who had decided, rather than redeeming it, to sell it to the highest bidder. Louis purchased the relic in 1239, and on August 18, when the newly acquired treasure arrived at the edge of Paris, the humble, barefoot king carried it through the streets of his capital to the royal palace. Soon after its arrival, plans were under way to construct a glorious new palace building to house it-the Sainte-Chapelle, completed for its ceremonial consecration on April 26, 1248. In the 1244 charter establishing services in the Sainte-Chapelle, Pope Innocent IV claimed that Christ had crowned Louis with his own crown, strong confirmation for Louis's own sense of the sacred underpinnings of his kingship.

The Sainte-Chapelle is an extraordinary manifestation of the Gothic style. The two-story building (FIG. A)—there is both a lower and an upper liturgical space—is large for a chapel, and though it is now swallowed up into modern Paris, when it was built it was one of the tallest and most elaborately decorated buildings in the capital. The upper chapel is a completely open interior space surrounded by walls composed almost entirely of stained glass (FIG. B), presenting viewers with a glittering, multicolored expanse. Not only the king and his court experienced this chapel; members of the public came to venerate

and celebrate the relic, as well as to receive the indulgences offered to pious visitors. The Sainte-Chapelle resembles a reliquary made of painted stone and glass instead of gold and gems, turned inside out so that we experience it from within. But this arresting visual impression is only part of the story.

The stained-glass windows present extensive narrative cycles related to the special function of this chapel. Since they are painted in a bold, energetic style, the stories are easily legible, in spite of their breadth and complexity. Around the sanctuary's hemicycle (apse or semicircular interior space) are standard themes relating to the celebration of the Mass. But along

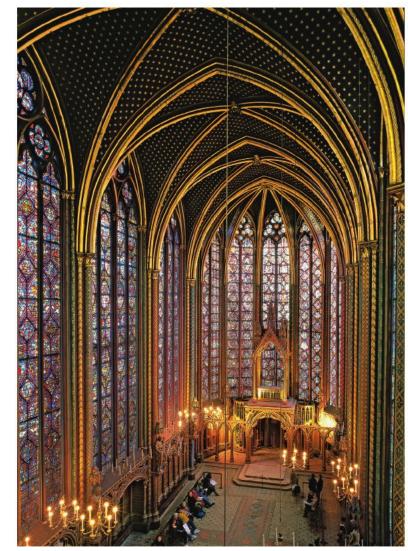
the straight side walls are broader, fourlancet windows whose narrative expanse is dominated by the exploits of the sacred kings and queens of the Hebrew Bible,

heroes Louis claimed as his own royal ancestors. Above the recessed niche where Louis himself sat at Mass was a window filled with biblical kings, whereas in the corresponding niche on the other side of the chapel, his mother, Queen Blanche of Castile, and his wife, Queen Marguerite of Provence, sat under windows devoted to the lives of Judith and Esther, alternatively appropriate role models for medieval queens. Everywhere we look we see kings being crowned, leading soldiers into holy warfare, or performing royal duties, all framed with heraldic

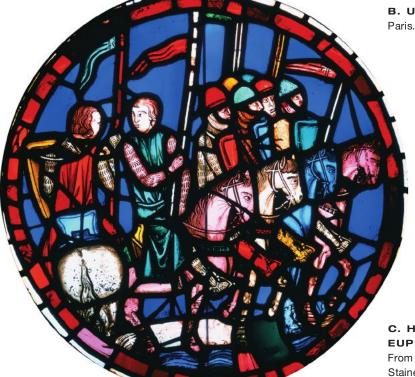


references to Louis and the French royal house. There is even a window that includes scenes from the life of Louis IX himself.

After the French Revolution, the Sainte-Chapelle was transformed into an archive, and some stained glass was removed to allow more light into the building. Deleted panels made their way onto the art market, and, in 1803, wealthy Philadelphia merchant William Powell bought three medallions from the Judith Window during a European tour, returning home to add them to his collection, the first in America to concentrate on medieval art. One portrays the armies of Holofernes crossing the Euphrates River (FIG. C). A compact crowd of equestrian warriors to the right conforms to a traditional system of representing crowds as a measured, overlapping mass of essentially identical figures, but the warrior at the rear of the battalion breaks the pattern, turning to acknowledge a knight behind him. The foreshortened rump of this soldier's horse projects out into our space, as if he were marching from our real world into the fictive world of the window-an avant-garde touch from a major artist working in the progressive climate of the mid-thirteenth-century Parisian art world.



**B. UPPER CHAPEL, THE SAINTE-CHAPELLE** Paris. 1239–1248.



## C. HOLOFERNES' ARMY CROSSING THE EUPHRATES RIVER

From the Judith Window, the Sainte-Chapelle, Paris. c. 1245. Stained, painted, and leaded glass, diameter  $23^5/_{16}{''}$  (59.2 cm). Philadelphia Museum of Art.



### ART AND ITS CONTEXTS

### Villard de Honnecourt

One of the most fascinating and enigmatic works surviving from Gothic France is a set of 33 sheets of parchment covered with about 250 drawings in leadpoint and ink, signed by a man named Villard from the Picardy town of Honnecourt, and now bound into a book housed in the French National Library. Villard seems to have made these drawings in the 1220s and 1230s judging from the identifiable buildings that he recorded, during what seem to have been extensive travels, made for unknown reasons, mainly in France—where he recorded plans or individual details of the cathedrals of Cambrai, Chartres, Laon, and especially Reims—but also in Switzerland and Poland.

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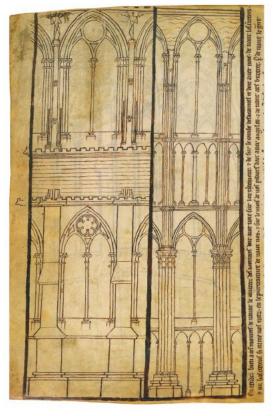
### A. Villard de Honnecourt SHEET OF DRAWINGS WITH GEOMETRIC FIGURES

c. 1230. Ink on vellum,  $9\frac{1}{4}\times 6$ " (23.5  $\times$  15.2 cm). Bibliothèque Nationale, Paris. MS. fr. 19093

This page, labeled "help in drawing figures according to the lessons taught by the art of geometry," demonstrates how geometric configurations underlie the shapes of natural forms and the designs of architectural features. They seem to give insight into the design process of Gothic artists, but could they also represent the fertile doodlings of a passionate amateur?

Villard seems simply to have drawn those things that interested him—animals, insects, human beings, church furnishings, buildings, and construction devices. Although the majority of his drawings have nothing to do with architecture, his renderings of aspects of Gothic buildings have received the most attention since the book was rediscovered in the mid nineteenth century, and led to a widespread belief that he was an architect or master mason. There is no evidence for this. In fact, the evidence we have argues against it, since the architectural drawings actually suggest the work of someone passionately interested in, but without a great deal of knowledge of,

the structural systems and design priorities of Gothic builders. This in no way diminishes the value of this amazing document, which allows us rare access into the mind of a curious, well-traveled thirteenth-century amateur, who drew the things that caught his fancy in the extraordinary world around him.



# **B.** Villard de Honnecourt **DRAWINGS OF THE INTERIOR AND EXTERIOR ELEVATION OF THE NAVE OF REIMS CATHEDRAL** c. 1230. Ink on vellum, $9^14 \times 6''$ (23.5 × 15.2 cm). Bibliothèque Nationale, Paris. MS. fr. 19093

Scholars still debate whether Villard's drawings of Reims Cathedral—the church he documented most extensively, with five leaves showing views and two containing details—were made from observing the building itself, during construction, or copied from construction drawings that had been prepared to guide the work of the masons. But in either case, what Villard documents here are those aspects of Reims that distinguish it from other works of Gothic architecture, such as the use of bar tracery, the enlarged central colonettes of the triforium, the broad bands of foliate carving on the pier capitals, or the statues of angels that perch on exterior buttresses. He seems to have grasped what it was that separated this building from the other cathedrals rising across France at this time.

EXPLORE MORE: Gain insight from a primary source related to Villard de Honnecourt www.myartslab.com

other European rulers. Parisian works became trans-European benchmarks of artistic quality and sophistication.

THE SAINTE-CHAPELLE IN PARIS. The masterpiece of the midthirteenth-century Parisian style is the Sainte-Chapelle (Holy Chapel) of the royal palace, commissioned by Louis IX to house his collection of relics of Christ's Passion, especially the crown of thorns (see "The Sainte-Chapelle in Paris," pages 508–509). In many ways this huge chapel can be seen as the culmination of the Gothic style that emerged from Suger's pioneering choir at Saint-Denis. The interior walls have been reduced to a series of slender piers and mullions that act as skeletal support for a vast skin of

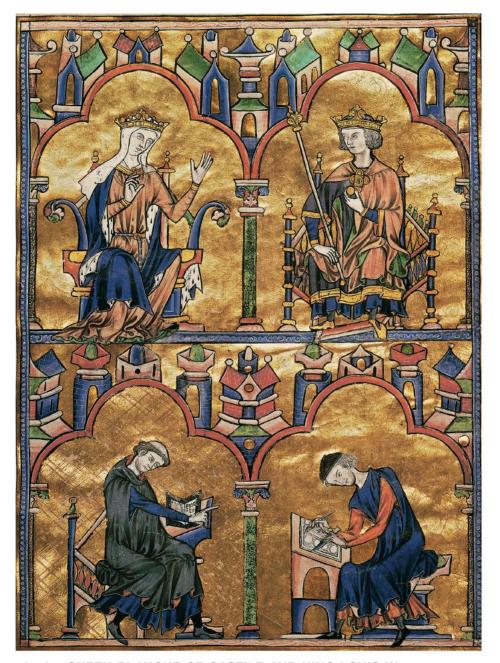
stained glass. The structure itself is stabilized by external buttressing that projects from the piers around the exterior of the building. Interlocking iron bars between the piers and concealed within the windows themselves run around the entire building, adding further stabilization. The viewer inside is unaware of these systems of support, being focused instead on the kaleidoscopic nature of this jewelbox reliquary and the themes of sacred kingship that dominate the program of stained-glass windows.

ILLUMINATED MANUSCRIPTS. Paris gained renown in the thirteenth century not only for its new architecture and sculpture but also for the production of books. Manuscript painters flocked to Paris from other regions to join workshops supervised by university officials who controlled the production and distribution of books. These works ranged from small Bibles used as textbooks by university students to extravagant devotional and theological works filled with exquisite miniatures for the use of wealthy patrons.

A particularly sumptuous Parisian book from the time of St. Louis is a three-volume Moralized Bible from c. 1230, in which selected scriptural passages are paired with allegorical or moralized interpretations, using pictures as well as words to convey the message. The dedication page (FIG. 16–18) shows the teenage King Louis IX and his mother, Queen Blanche of Castile, who served as regent of France (1226–1234) until he came of age. The royal pair—emphasized by their elaborate thrones and slightly oversized heads—appear against a solid gold background under a multicolored

architectural framework. Below them, a clerical scholar (left) dictates to a scribe, who seems to be working on a page from this very manuscript, with a column of roundels already outlined for paintings.

This design of stacked medallions—forming the layout for most of this monumental manuscript (FIG. 16–19)—clearly derives from stained-glass lancets with their columns of superimposed images (SEE FIG. 16–12). In the book, however, the schema combines pictures with words. Each page has two vertical strips of painted scenes set against a mosaiclike repeated pattern and filled out by half-quatrefoils in the interstices—the standard format of mid-thirteenth-century windows. Adjacent to each



**16–18 • QUEEN BLANCHE OF CASTILE AND KING LOUIS IX** From a Moralized Bible made in Paris. 1226–1234. Ink, tempera, and gold leaf on vellum,  $15\times10^{1}2''$  (38  $\times$  26.6 cm). The Pierpont Morgan Library, New York. MS. M. 240, fol. 8r



16-19 • MORALIZATIONS FROM THE APOCALYPSE

From a Moralized Bible made in Paris. 1226–1234. Ink, tempera, and gold leaf on vellum, each page  $15\times10^{1}$ /2" (38  $\times$  26.6 cm). The Pierpont Morgan Library, New York. MS. M. 240, fol. 6r

medallion is an excerpt of text, either a summary of a scriptural passage or a terse contemporary interpretation or allegory. Both painted miniatures and texts alternate between scriptural summaries and their moralizing explications, outlined in words and visualized with pictures. This adds up to a very learned and complicated compilation, perhaps devised by clerical scholars at the University of Paris, but certainly painted by some of the most important professional artists in the cosmopolitan French capital.

### GOTHIC ART IN ENGLAND

Plantagenet kings ruled England from the time of Henry II and Eleanor of Aquitaine until 1485. Many were great patrons of the arts. During this period, London grew into a large city, but most people continued to live in rural villages and bustling market towns. Textile production dominated manufacture and trade, and fine embroidery continued to be an English specialty. The French Gothic style influenced English architecture and manuscript illumination, but these influences were tempered by local materials and methods, traditions and tastes. Notable is a continuing interest in using expressive line to enliven surface decoration.

#### MANUSCRIPT ILLUMINATION

The universities of Oxford and Cambridge dominated intellectual life, but monasteries continued to house active scriptoria, in contrast to France, where book production became centralized in the professional workshops of Paris. By the end of the thirteenth century, secular workshops became increasingly active in England, meeting demands for books from students as well as from royal and noble patrons.

MATTHEW PARIS. The monastic tradition of history writing that we saw in the Romanesque Worcester Chronicle (SEE FIG. 15-30) flourished into the Gothic period at the Benedictine monastery of St. Albans, where monk Matthew Paris (d. 1259) compiled a series of historical works. Paris wrote the texts of his chronicles, and he also added hundreds of marginal pictures that were integral to his history writing. The tinted drawings have a freshness that reveals the artist as someone working outside the rigid strictures of compositional conventions—or at least pushing against them. In one of his books, Paris included an almost full-page, framed image of the Virgin and Child in a tender embrace (FIG. 16-20). Under this picture, outside the sacred space of Mary and Jesus, Paris drew a picture of himself-identified not by

likeness but by a label with his name, strung out in alternating red and blue capital letters behind him. He looks not at the holy couple, but at the words in front of him. These offer his commentary on the image, pointing to the affection shown in the playful Christ Child's movement toward his earthly mother, but emphasizing the authority he has as the divine incarnation of his godly father. Matthew Paris seems almost to hold his words in his hands, pushing them upward toward the object of his devotion.

THE WINDMILL PSALTER. The dazzling artistry and delight in ambiguity and contradiction that had marked early medieval manuscripts in the British Isles (SEE FIG. 14–1) also survived into the Gothic period in the Windmill Psalter of c. 1270–1280 (see "A Closer Look," page 514). The letter *B*—the first letter of



16-20 • Matthew Paris
SELF-PORTRAIT KNEELING
BEFORE THE VIRGIN AND
CHILD

From the *Historia Anglorum*, made in St. Albans, England. 1250–1259. Ink and color on parchment,  $14 \times 9^3 4''$  (35.8  $\times$  25 cm). The British Library, London. Royal MS. 14.c.vii, fol. 6r

Psalm 1, which begins with the words Beatus vir qui non abit in consilio impiorum ("Happy are those who do not follow the advice of the wicked")—fills an entire left-hand page and outlines a densely interlaced thicket of tendrils and figures. This is a Tree of Jesse, a genealogical diagram of Jesus' royal and spiritual ancestors in the Hebrew Bible based on a prophesy in Isaiah 11:1–3. An oversized, semi-reclining figure of Jesse, father of King David, appears sheathed in a red mantle, with the blue trunk of a vinelike tree emerging from his side. Above him is his majestically enthroned royal son, who, as an ancestor of Mary (shown just above him), is also an ancestor of Jesus, who appears at the top of the sequence. In the circling foliage flanking this sacred royal family tree are a series of prophets, representing Jesus' spiritual heritage.

E, the second letter of the psalm's first word, appears at the top of the right-hand page and is formed from large tendrils emerging from delicate background vegetation to support characters in the story of the Judgment of Solomon portrayed within it (I Kings 3:16–27). Two women (one above the other at the right) claiming the same baby appear before King Solomon (enthroned on the crossbar) to settle their dispute. The king orders a guard to slice the baby in half with his sword and give each woman her share. This trick exposed the real mother, who hastened to give up her claim in order to save the baby's life. It has been suggested that the positioning of this story within the letter E may have made a subtle association between Solomon and the reigning King Edward I. The rest of the psalm's five opening words appear on a banner carried by an angel who swoops down at the bottom of the E.



## A CLOSER LOOK

# The Opening of Psalm 1 in the Windmill Psalter

Psalm 1 (Beatus Vir). London, c. 1270–1280. Ink, pigments, and gold on vellum, each page  $12^3$ 4×  $8^3$ 4" (32.3 × 22.2 cm). The Pierpont Morgan Library, New York. MS. 102, fols. Iv–2r

Although this page initially seems to have been trimmed at left, the flattened outside edge of the roundels marks the original end of the page. What might have started as an independent Jesse Tree may later have been expanded into the initial *B*, widening the pictorial composition farther than originally planned.

The four evangelists appear in the corner roundels as personified symbols writing at desks.

The windmill that has given this psalter its name seems to be a religious symbol based on the fourth verse of this Psalm: "Not so the wicked, not so: but like the dust, which the wind driveth from the face of the earth."



Tucked within the surrounds of the letter *B* are scenes from God's creation of the world, culminating in the forming of Adam and Eve. Medieval viewers would meditate on how the new Adam (Christ) and Eve (Mary)—featured in the Jesse Tree—had redeemed humankind from the sin of the first man and woman. Similarly, Solomon's choice of the true mother would recall Christ's choice of the true Church. Medieval manuscripts are full of cross-references and multiple meanings, intended to stimulate extended reflection and meditation, not embody a single truth or tell a single story.

Participants in this scene of the Judgment of Solomon here have been creatively distributed within the unusual narrative setting of the letter *E*. Solomon sits on the crossbar; the two mothers are stacked one above the other; and the knight balancing the baby has to hook his toe under the curling extension of the crossbar to maintain his balance.

SEE MORE: View the Closer Look feature for The Opening of Psalm I in the Windmill Psalter www.myartslab.com

### **ARCHITECTURE**

The Gothic style in architecture appeared early in England, introduced by Cistercian and Norman builders and by traveling master masons. But in England there was less emphasis on height than in France. English churches have long, broad naves and screenlike façades.

SALISBURY CATHEDRAL. The thirteenth-century cathedral in Salisbury is an excellent example of English Gothic. It has unusual origins. The first cathedral in this diocese had been built within the castle complex of the local lord. In 1217, Bishop Richard Poore petitioned the pope to relocate the church, claiming the wind on the hilltop howled so loudly that the clergy could not hear

themselves sing the Mass. A more pressing concern was probably his desire to escape the lord's control. As soon as he moved, the bishop established a new town, called Salisbury Material from the old church was carted down the hill and used in the new cathedral, along with dark, fossil-filled Purbeck stone from quarries in southern England and limestone imported from Caen. Building began in 1220, and most of the cathedral was finished by 1258, an unusually short period for such an undertaking (FIG. 16–21).

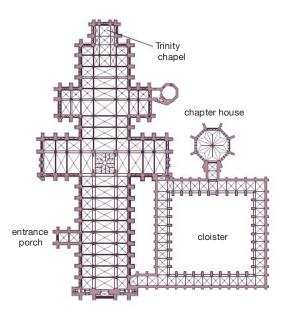
The west façade, however, was not completed until 1265. The small flanking towers project beyond the side walls and buttresses, giving the façade an increased width, underscored by tier upon tier of blind tracery and arcaded niches. Instead of a western rose window floating over triple portals (as seen in France), the English



16-21 • SALISBURY CATHEDRAL

England. Church building 1220-1258; west façade finished 1265; spire c. 1320-1330; cloister and chapter house 1263-1284.

SEE MORE: Click the Google Earth link for Salisbury Cathedral www.myartslab.com



16-22 • PLAN OF SALISBURY CATHEDRAL

### 16-23 • NAVE OF SALISBURY CATHEDRAL

In the eighteenth century, the English architect James Wyatt subjected the building to radical renovations, during which the remaining stained glass and figure sculpture were removed or rearranged. Similar campaigns to refurbish medieval churches were common at the time. The motives of the restorers were complex and their results far from our notions of historical authenticity today.

master masons placed tall lancet windows above rather insignificant doorways. A mighty crossing tower (the French preferred a slender spire) became the focal point of the building. (The huge crossing tower and its 400-foot spire are a fourteenth-century addition at Salisbury, as are the flying buttresses, which were added to stabilize the tower.) The slightly later cloister and chapter house provided for the cathedral's clergy.

Salisbury has an equally distinctive plan (FIG. 16–22), with wide projecting double transepts, a square east end with a single chapel, and a spacious sanctuary—more like a monastic church. The nave interior reflects the Norman building tradition of heavy walls and a tall nave arcade surmounted by a gallery and a clerestory with simple lancet windows (FIG. 16–23). The walls alone are substantial enough to buttress the four-part ribbed vault. The emphasis on the horizontal movement of the arcades, unbroken by continuous vertical colonnettes extending from the compound piers, directs worshipers' attention forward toward the

altar behind the choir screen, rather than upward into the vaults, as preferred in France (SEE FIG. 16–17). The use of color in the stonework is reminiscent of the decorative effects in Romanesque interiors. The shafts supporting the four-part rib vaults are made of dark Purbeck stone that contrasts with the lighter limestone of the rest of the interior. The original painting and gilding of the stonework would have enhanced the effect.

MILITARY AND DOMESTIC ARCHITECTURE. Cathedrals were not the only buildings constructed during the Early and High Gothic periods. Western European knights who traveled east during the crusades were inspired by the architectural forms they saw in Muslim castles and Byzantine fortifications. When they returned home, Europeans built their own versions of these fortifications. Castle gateways now became complex, nearly independent fortifications, often guarded by twin towers rather than just one. New D-shape and round towers eliminated the corners that had



16-24 • EXTERIOR
OF THE GREAT
HALL, STOKESAY
CASTLE
England. Late 13th
century.

made earlier square towers vulnerable to battering rams, and crenellations (notches) were added to tower tops in order to provide stone shields for more effective defense. The outer, enclosing walls of the castles were strengthened. The open, interior space was enlarged and filled with more comfortable living quarters for the lord and wooden buildings to house the garrison and the staff necessary to repair armor and other equipment. Barns and stables for animals, including the extremely valuable war horses, were also erected within the enclosure.

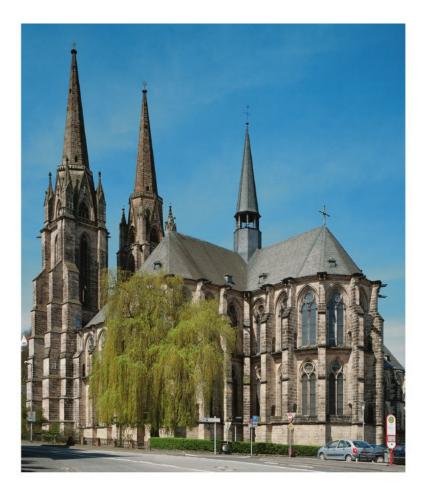
STOKESAY CASTLE. Military structures were not the only secular buildings outfitted for defense. In uncertain times, the manor (a landed estate), which continued to be an important economic unit in the thirteenth century, also had to fortify its buildings. A country house that was equipped with a tower and crenellated rooflines became a status symbol as well as a necessity. Stokesay Castle, a remarkable fortified manor house, survives in England near the Welsh border. In 1291, a wool merchant, Lawrence of Ludlow, acquired the property of Stokesay and secured permission from King Edward I to fortify his dwelling—officially known as a "license to crenellate" (FIG. 16–24). He built two towers, including a massive crenellated south tower and a great hall that still survive.

Life in the Middle Ages revolved around the hall. Windows on each side of Stokesay's hall open both toward the courtyard and out across a moat toward the countryside. By the thirteenth century, people began to expect some privacy as well as security;

therefore at both ends of the hall are two-story additions that provided retiring rooms for the family and workrooms where women could spin and weave. Rooms on the north end could be reached from the hall, but the upper chamber at the south was accessible only by means of an exterior stairway. A tiny window—a peephole—let women and members of the household observe the often rowdy activities in the hall below. In layout, there was essentially no difference between this manor far from the London court and the mansions built by the nobility in the city. A palace followed the same pattern of hall and retiring rooms; it was simply larger than a manor.

# GOTHIC ART IN GERMANY AND THE HOLY ROMAN EMPIRE

The Holy Roman Empire, weakened by internal strife and a prolonged struggle with the papacy, ceased to be a significant power in the thirteenth century. England and France were becoming strong nation-states, and the empire's hold on southern Italy and Sicily ended at mid century with the death of Emperor Frederick II. Subsequent emperors—who were elected—had only nominal authority over a loose conglomeration of independent principalities, bishoprics, and free cities. As in England, the French Gothic style, avidly embraced in the western Germanic territories, shows regional adaptations and innovations.



16-25 • EXTERIOR, CHURCH OF ST. ELIZABETH OF HUNGARY

Marburg, Germany. 1235-1283.

of windows suggest a two-story building, which is not the case. Inside, the closely spaced piers of the nave support the ribbed vault and, as with the buttresses, give the building a vertical, linear quality (FIG. 16–26). Light from the two stories of tall windows fills the interior, unimpeded by walls, galleries, or triforia (plural of triforium, arcaded wall passageways). The hall-church design was adopted widely for civic and residential buildings in Germanic lands and also for Jewish architecture.

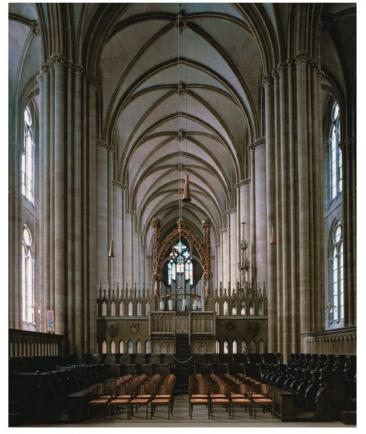
THE ALTNEUSCHUL. Built in the third quarter of the thirteenth century, Prague's **ALTNEUSCHUL** ("Old-New Synagogue") is the oldest functioning synagogue in Europe and one of two principal synagogues serving the Jews of Prague (FIG. 16–27). The Altneuschul demonstrates the adaptability of the Gothic hall-church design for non-Christian use. Like a hall church, the vaults of the synagogue are all the same height. Unlike a basilican church, however, with its division into nave and side aisles, the Altneuschul has only two aisles, each with three bays supported by the

### ARCHITECTURE

In the thirteenth century, the increasing importance of the sermon in church services led architects in Germany to develop the **hall church**, a type of open, light-filled interior space that appeared in Europe in the early Middle Ages, characterized by a nave and side aisles of equal height. The spacious and well-lit design of the hall church provided accommodation for the large crowds drawn by charismatic preachers.

CHURCH OF ST. ELIZABETH OF HUNGARY IN MARBURG. Perhaps the first true Gothic hall church, and one of the earliest Gothic buildings in Germany, was the **CHURCH OF ST. ELIZABETH OF HUNGARY** in Marburg (FIG. 16–25). The Hungarian princess Elizabeth (1207–1231) had been sent to Germany at age 4 to marry the ruler of Thuringia. He soon died of the plague, and she devoted herself to caring for people with incurable diseases. It was said that she died at age 24 from exhaustion, and she was canonized in 1235. Between 1235 and 1283, the knights of the Teutonic Order (who had moved to Germany from Jerusalem) built a church to serve as her mausoleum and a center of pilgrimage.

The plan of the church is an early German form, a **trefoil** (three-lobed design) with choir and transepts of equal size. The elevation of the building, however, is new—the nave and aisles are of equal height. On the exterior wall, buttresses run the full height of the building and emphasize its verticality. The two rows



**16-26 • INTERIOR, CHURCH OF ST. ELIZABETH OF HUNGARY** Marburg, Germany. 1235–1283.



**16-27 • INTERIOR, ALTNEUSCHUL**Prague, Bohemia (Czech Republic). c. late 13th century; *bimah* after 1483.

walls and two octagonal piers. The bays have Gothic four-part ribbed vaulting to which a nonfunctional fifth rib has been added. Some say that this fifth rib was added to undermine the cross form made by the intersecting diagonal ribs.

The medieval synagogue was both a place of prayer and a communal center of learning and inspiration where men gathered to read and discuss the Torah. The synagogue had two focal points, the *aron*, or shrine for the Torah scrolls, and a raised reading platform called the *bimah*. The congregation faced the *aron*, which was located on the east wall, in the direction of Jerusalem. The *bimah* stood in the center of the hall, straddling the two center bays, and in Prague it was surrounded by an ironwork open screen. The single entrance was placed off-center in a corner bay at the west end. Men worshiped and studied in the main space; women had to worship in annexes on the north and west sides.

### **SCULPTURE**

One of the most creative centers of European sculpture since the eleventh century had been the Rhine River Valley and the region known as the Mosan (from the Meuse River, in present-day Belgium), with centers in Liège and Verdun. Ancient Romans had built camps and cities in this area, and Classical influence lingered on through the Middle Ages. Nicholas of Verdun and his fellow goldsmiths inspired a new classicizing style in the arts.

Shrine of the Three Kings. For the archbishop of Cologne, Nicholas created the magnificent shrine of the three kings (c. 1190—c. 1205/10), a reliquary for what were believed to be relics of the three Magi. Shaped in the form of a basilican church (Fig. 16–28), it is made of gilded bronze and silver, set with gemstones and dark blue enamel plaques that accentuate its architectural details. Like his fellow Mosan artists, Nicholas was inspired by ancient Roman art still found in the region, as well as classicizing Byzantine works. The figures are lifelike, fully modeled, and swathed in voluminous but revealing drapery. The three Magi and the Virgin fill the front gable end, and prophets and apostles sit in the niches in the two levels of arcading on the sides. The work combines robust, expressively mobile sculptural forms with a jeweler's exquisitely ornamental detailing to create an opulent, monumental setting for its precious contents.

St. Maurice. A powerful current of realism runs through German Gothic sculpture. Some works seem to be carved after a living model. Among them is an arresting mid-thirteenth-century statue of **St. Maurice** in Magdeburg Cathedral (FIG. 16–29), the location of his relics since 968. The Egyptian Maurice, a commander in the Roman army, was martyred in 286 together with his Christian battalion while they were stationed in Germany. As patron saint of Magdeburg, he was revered by Ottonian



**16–28 • Nicholas of Verdun and workshop SHRINE OF THE THREE KINGS** Cologne (Köln) Cathedral, Germany. c. 1190–c. 1205/10. Silver and gilded bronze with enamel and gemstones,  $5'8'' \times 6' \times 3'8''$  (1.73  $\times$  1.83  $\times$  1.12 m).



**16-29 • ST. MAURICE**Magdeburg Cathedral, Magdeburg, Germany. c. 1240–1250.
Dark sandstone with traces of polychromy.

emperors, who were anointed in St. Peter's in Rome at the altar of St. Maurice. He remained a favorite saint of military aristocrats. This is the first surviving representation of Maurice as a black African, an acknowledgment of his Egyptian origins and an aspect of the growing German interest in realism, which extends here to the detailed rendering of his costume of chain mail and riveted leather.

EKKEHARD AND UTA. Equally portraitlike is the depiction of this couple, commissioned about 1245 by Dietrich II, bishop of Wettin, for the family funeral chapel, built at the west end of Naumburg Cathedral. Bishop Dietrich ordered life-size statues of 12 of his ancestors, who had been patrons of the church, to be placed on pedestals mounted at window level around the chapel.

In the representations of Margrave Ekkehard of Meissen (a margrave—count of the march or border—was a territorial governor whose duty it was to defend the frontier) and his Polish-born



**16-30 • EKKEHARD AND UTA**West chapel, Naumburg Cathedral, Germany. c. 1245–1260.
Stone with polychromy, height approx. 6'2" (1.88 m).

wife, Uta (FIG. 16-30), the sculptor created highly individualized figures and faces. Since these are eleventh-century people, sculpted in the thirteenth century, we are not looking at portrait likenesses of Ekkehard and Uta themselves, but it is still possible that live models were used to heighten the sense of a living presence in their portraits. But more than their faces contribute to this liveliness. The margrave nervously fingers the strap of the shield that is looped over his arm, and the coolly elegant Uta pulls her cloak around her neck as if to protect herself from the cold, while the extraordinary spread of her left hand is necessary to control the voluminous, thick cloth. The survival of original polychromy (multicolored painting on the surface of sculpture or architecture) indicates that color added to the impact of the figures. The impetus toward descriptive realism and psychological presence, initiated in the thirteenth century, will expand in the art of northern Europe into the fifteenth century and beyond.

### **GOTHIC ART IN ITALY**

The thirteenth century was a period of political division and economic expansion for the Italian peninsula. Part of southern Italy and Sicily was controlled by Frederick II von Hohenstaufen (1194–1250), Holy Roman emperor from 1220. Frederick was a politically unsettling force. He fought with a league of north Italian cities and briefly controlled the Papal States. On his death, however, Germany and the Holy Roman Empire ceased to be an important factor in Italian politics and culture.

In northern Italy, in particular, organizations of successful merchants created communal governments in their prosperous and independent city-states and struggled against powerful families for political control. Artists began to emerge as independent agents, working directly with wealthy clients and with civic and religious institutions.

It was during this time that new religious orders known as the mendicants (begging monks) arose to meet the needs of the growing urban population. They espoused an ideal of poverty, charity, and love, and they dedicated themselves to teaching and preaching, while living among the urban poor. Most notable in the beginning were the Franciscans, founded by St. Francis of Assisi (1182–1226; canonized in 1228). This son of a wealthy merchant gave away his possessions and devoted his life to God and the poor. As others began to join him, he wrote a simple rule for his followers, who were called brothers, or friars (from the Latin *fater*, meaning "brother"), and the pope approved the new order in 1209–1210.



### SCULPTURE: THE PISANO FAMILY

During his lifetime, the culturally enlightened Frederick II had fostered a Classical revival. He was a talented poet, artist, and naturalist, and an active patron of the arts and sciences. In the Romanesque period, artists in southern Italy had already turned to ancient sculpture for inspiration, but Frederick, mindful of his imperial status as Holy Roman emperor, encouraged this tendency to help communicate a message of power. He also encouraged artists to emulate the natural world around them. Nicola Pisano (active in Tuscany c. 1258-1278), who moved from the southern region of Apulia to Tuscany at mid century, became the leading exponent of this classicizing and naturalistic style.

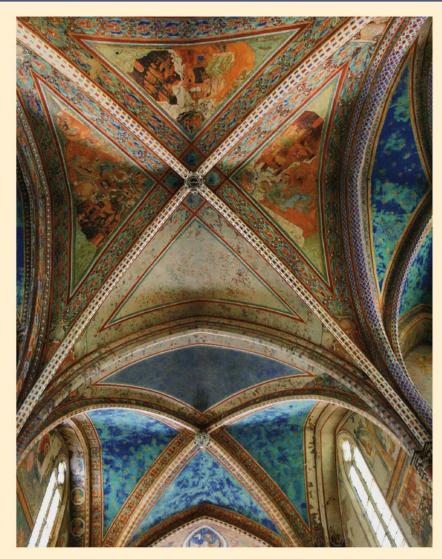
NICOLA PISANO'S PULPIT AT PISA. In an inscription on a free-standing marble pulpit in the Pisa Baptistery (FIG. 16–31), Nicola identifies himself as a supremely self-confident sculptor: "In the year 1260 Nicola Pisano carved this noble work. May so gifted a hand be praised as it deserves." Columns topped with leafy Corinthian capitals support standing figures and Gothic trefoil arches, which in turn provide a platform for the six-sided pulpit. The columns rest on high bases carved with crouching figures, domestic

**16-31 • Nicola Pisano PULPIT** Baptistery, Pisa, Italy. 1260. Marble, height approx. 15' (4.6 m).

### RECOVERING THE PAST | The Church of St. Francis of Assisi

On the morning of September 27, 1997, tragedy struck. An earthquake convulsed the small town of Assisi, shaking the church of St. Francis and damaging architecture and frescos. Where the vault collapsed, priceless frescos crumbled and plunged to the floor. The photographer Ghigo Roli had just finished recording every painted surface of the interior when the sound of the first earthquake was heard in the basilica. As the building shook and the paintings fell, "I wanted to cry," he later wrote.

When such disasters happen, the whole world seems to respond. Volunteers immediately raised money to restore the frescos, with the hope and intention of paying the costs of repairing and strengthening the basilica, reassembling the paintings from millions of tiny pieces, and finally reinstalling the restored treasures. So successful was the effort that visitors today would not guess that an earthquake had brought down the vault shown here scarcely more than a decade ago. But in other parts of the church the remains are insufficient to reconstruct entire paintings, and computers work to match the fragments and bring together at least sections of them.



CHURCH OF ST. FRANCIS, ASSISI, ITALY: RESTORED
Painting dating 1228–1253.



# CHURCH OF ST. FRANCIS, ASSISI, ITALY: DURING THE 1997 EARTHQUAKE Caught by a television camera during the quake,

some of the vaults and archivolts in the upper church plunged to the floor, killing four people. The camera operator eventually emerged, covered with the fine dust of the shattered brickwork and plaster, as a "white, dumbfounded phantom."



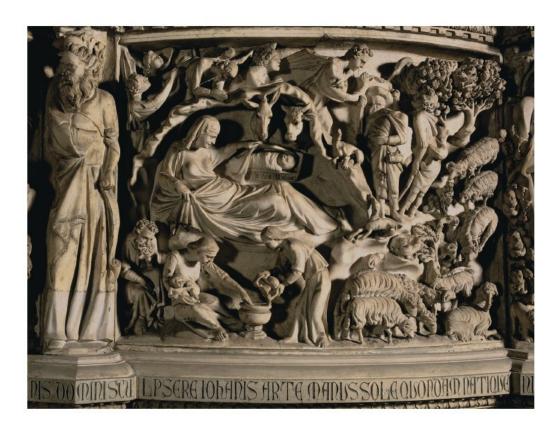
16-32 • Nicola Pisano ANNUNCIATION, NATIVITY AND ADORATION OF THE SHEPHERDS

Detail of pulpit, Baptistery, Pisa, Italy. 1260. Marble,  $33\frac{1}{2}\times44\frac{1}{2}$ " (85 × 113 cm).

animals, and shaggy-maned lions. Panels forming the pulpit enclosure illustrate New Testament subjects, each framed as an independent composition.

Each panel illustrates several scenes in a continuous narrative; FIG. 16–32 depicts the Annunciation, Nativity, and Adoration of the Shepherds. The Virgin reclines in the middle of the composition after having given birth to Jesus, who below receives his first bath from midwives. The upper left-hand corner holds the Annunciation—the moment of Christ's conception, as announced

by the archangel Gabriel. The scene in the upper right combines the Annunciation to the Shepherds with their Adoration of the Child. The viewer's attention moves from group to group within the shallow space, always returning to the regally detached mother of God. The format, style, and technique of Roman sarcophagus reliefs—readily accessible in the burial ground near the baptistery—may have provided Nicola's models for this carving. The sculptural treatment of the deeply cut, full-bodied forms is certainly Classical in inspiration, as are the heavy, placid faces.



16-33 • Giovanni Pisano NATIVITY

Detail of pulpit, Cathedral, Pisa. 1302–1310. Marble,  $34\frac{3}{6} \times 43''$  (87.2  $\times$  109.2 cm).

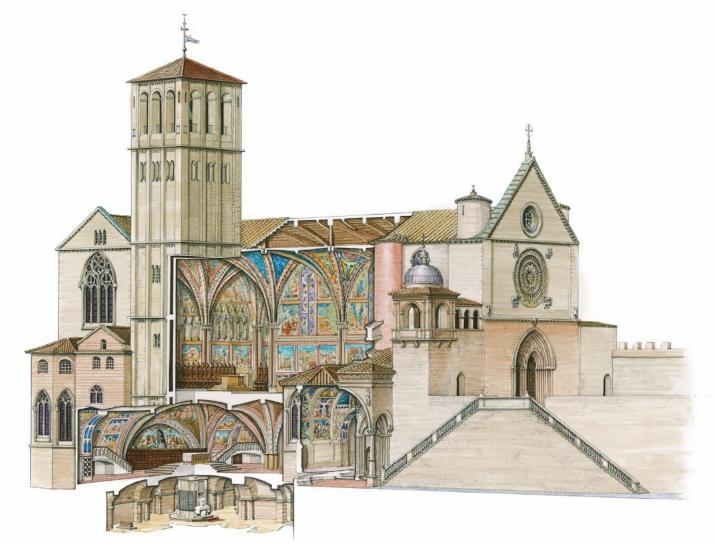


GIOVANNI PISANO'S PULPIT AT PISA. Nicola's son Giovanni (active c. 1265-1314) assisted his father while learning from him, and he may also have worked or studied in France. By the end of the thirteenth century, he had emerged as a versatile artist in his own right. Between 1302 and 1310, he and his workshop carved a huge pulpit for Pisa Cathedral that is similar to his father's in conception but significantly different in style and execution. In his rendering of the NATIVTY, Giovanni places graceful, animated figures in an uptilted, deeply carved setting (FIG. 16-33). He replaces Nicola's imperious Roman matron with a lithe, younger Mary who, sheltered by a shell-like cave, gazes delightedly at her baby. Below her, a midwife who had doubted the virgin birth has her withered hand restored while preparing the baby's bath water. Sheep, shepherds, and angels spiral up through the trees at the right and more angelic onlookers replace the Annunciation. Giovanni's sculpture is as dynamic as Nicola's is static.

### PAINTING

The capture of Constantinople by crusaders in 1204 brought an influx of Byzantine art and artists to Italy. The imported style of painting, the *maniera greca* ("the Greek manner"), influenced thirteenth– and fourteenth–century Italian painting in style and technique and introduced a new emphasis on pathos and emotion.

PAINTED CRUCIFIXES. One example, a large wooden crucifix attributed to the thirteenth-century Florentine painter Coppo di Marcovaldo (FIG. 16–34), represents an image of a suffering Christ on the cross, a Byzantine type with closed eyes and bleeding, sagging body that encourages viewers to respond emotionally and empathetically to the image (SEE FIGS. 7–35, 14–23). This is a "historiated crucifix," meaning that narrative scenes flank Christ's body, in this case episodes from the story of his Passion. Such monumental crosses—this one is almost 10 feet



**16-35 • SCHEMATIC DRAWING OF THE CHURCH OF ST. FRANCIS** Assisi, Italy. 1228–1253.

high—were mounted on the choir screens that separated the clergy in the sanctuary from the lay people in the nave, especially in the churches of the Italian mendicants. One such cross can be seen from behind with its wooden bracing in FIG. 16–36, tilted out to lean toward the worshiper's line of vision and increase the emotional impact.

THE CHURCH OF ST. FRANCIS AT ASSISI. Two years after St. Francis's death in 1226, the church in his birthplace, Assisi, was begun. It was nearly finished in 1239 but was not dedicated until 1253. This building was unusually elaborate in its design, with upper and lower churches on two stories and a crypt at the choir end underneath both (FIG. 16–35). Both upper and lower churches have a single nave of four square vaulted bays, and both end in a transept and a single apse. The lower church has massive walls and a narrow nave flanked by side chapels. The upper church is a spacious, well-lit hall with excellent visibility and acoustics, designed to accommodate the crowds of pilgrims who came to see and hear the friars preach as well as to participate in church rituals and venerate the tomb of the saint. The church walls

presented expanses of uninterrupted wall surface where sacred stories could unfold in murals. In the wall paintings of the upper church, the focus was on the story of Francis himself, presented as a model Christian life to which pilgrims as well as resident friars might aspire.

Scholars differ over whether the murals of the upper church were painted as early as 1290, but they agree on their striking narrative effectiveness. Like most Franciscan paintings, these scenes were designed to engage with viewers by appealing to their memories of their own life experiences, evoked by the inclusion of recognizable anecdotal details and emotionally expressive figures. A good example is **THE MIRACLE OF THE CRIB AT GRECCIO** (FIG. 16–36), portraying St. Francis making the first Christmas manger scene in the church at Greccio.

The scene—like all Gothic visual narratives, set in the pres-ent even though the event portrayed took place in the past—unfolds within a Gothic church that would have looked very familiar to late thirteenth-century viewers. A large wooden crucifix, similar to the one by Coppo di Marcovaldo (SEE FIG. 16–34), has been suspended from a stand on top of a screen



16-36 • THE MIRACLE OF THE CRIB AT GRECCIO

From a cycle of the Life of St. Francis, church of St. Francis, Assisi, Italy. Late 13th or early 14th century. Fresco.

separating the sanctuary from the nave. The cross has been reinforced on the back and tilted forward to hover over people in the nave, whom we see crowding behind an open door in the choir screen. A pulpit, with stairs leading up to its entrance and candlesticks at its corners, rises above the screen at the left. An elaborate carved baldacchino (canopy) surmounts the altar at the right, and an adjustable wooden lectern stands in front of the altar. Other small but telling touches include a seasonal liturgical calendar posted on the lectern, foliage swags decorating the baldacchino, and an embroidered altar cloth. And sound as well as sight is referenced here in the figures of the friars who throw their heads back, mouths wide open, to provide the liturgical soundtrack to this cinematic tableau.

The focus on the sacred narrative is confined to a small area at lower right, where St. Francis reverently holds the Holy Infant above a plain, boxlike crib next to miniature representations of various animals that might have been present at the Nativity, capturing the miraculous moment when, it was said, the Christ Child himself appeared in the manger. But even if the story is about a miracle, it takes place in a setting rich in worldly references that allowed contemporary viewers to imagine themselves as part of the scene, either as worshipers kneeling in front of the altar or as spectators pushing toward the doorway to get a better view.

### THINK ABOUT IT

- **16.1** What are the most important technological innovations and sociocultural formations that made the "Age of the Cathedrals" possible?
- 16.2 Analyze Salisbury Cathedral in England and the German church of St. Elizabeth of Hungary in Marburg. How does each reflect characteristics of French Gothic style, and how does each depart from that style and express architectural features characteristic of its region?
- 16.3 Explain the process for making medieval stained glass, and trace its development as the key pictorial medium in France during the Gothic period from the abbey church of Saint-Denis to the Parisian Sainte-Chapelle. What are the similarities and differences when comparing windows from these two sites?
- 16.4 Explain how manuscript illumination was used to convey complex theological ideas during the Gothic period. Analyze the iconography of one manuscript discussed in the chapter.
- **16.5** How was St. Francis of Assisi's message of empathy conveyed in the church of St. Francis?

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



17-1 • Ambrogio Lorenzetti FRESCOS OF THE SALA DEI NOVE (OR SALA DELLA PACE) Palazzo Pubblico, Siena, Italy. 1338–1339. Length of long wall about 46' (14 m).

**EXPLORE MORE:** Gain insight from a primary source related to the frescos in the Palazzo Pubblico www.myartslab.com

# FOURTEENTH-CENTURY ART IN EUROPE

In 1338, the Nine—a council of merchants and bankers that governed Siena as an oligarchy—commissioned frescos from renowned Sienese painter Ambrogio Lorenzetti (c. 1295—c. 1348) for three walls in the chamber within the Palazzo Pubblico where they met to conduct city business. This commission came at the moment of greatest prosperity and security since the establishment of their government in 1287.

Lorenzetti's frescos combine allegory with panoramic landscapes and cityscapes, communicating ideology to visualize the justification for and positive effects of Sienese government. The moral foundation of the rule of the Nine is outlined in a complicated allegory in which seated personifications (far left in Fig. 17-1) of Concord, Justice, Peace, Strength, Prudence, Temperance, and Magnanimity not only diagram good governance but actually reference the Last Judgment in a bold assertion of the relationship between secular rule and divine authority. This tableau contrasts with a similar presentation of bad government, where Tyranny is flanked by the personified forces that keep tyrants in power-Cruelty, Treason, Fraud, Fury, Division, and War. A group of scholars would have devised this complex program of symbols and meanings; it is unlikely that Lorenzetti would have known the philosophical works that underlie them.

Lorenzetti's fame, however, and the wall paintings' secure position among the most remarkable surviving mural programs of the period, rests on the other part of this ensemble—the effects of good and bad government in city and country life (SEE FIG. 17–15).

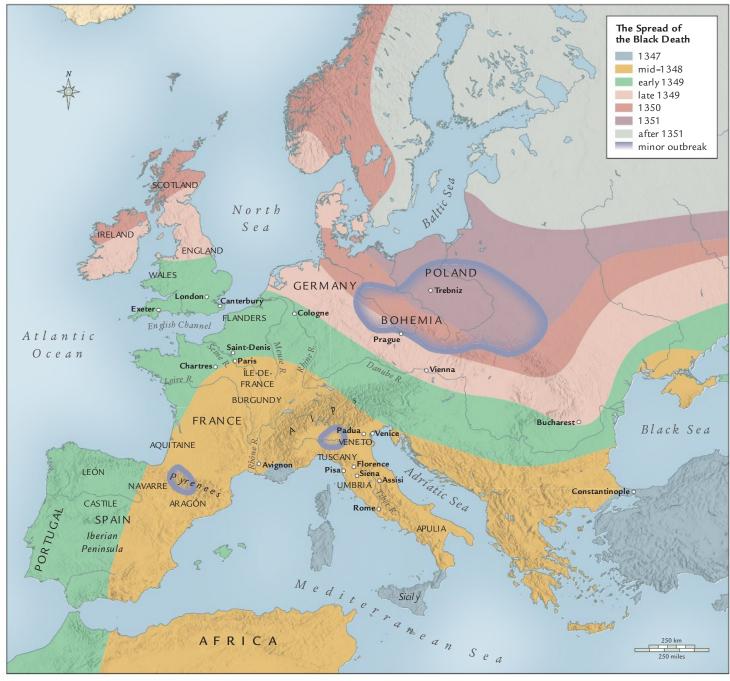
Unlike the tableau showing the perils of life under tyrannical rule, the panoramic view of life under good government—which in this work of propaganda means life under the rule of the Nine—is well preserved. A vista of fourteenth-century Siena—identifiable by the cathedral dome and tower peeking over the rooftops in the background—details carefree life within shops, schools, taverns, and worksites, as the city streets bustle with human activity. Outside, an expansive landscape highlights agricultural productivity.

Unfortunately, within a decade of the frescos' completion, life in Siena was no longer as stable and carefree. The devastating bubonic plague visited in 1348—Ambrogio Lorenzetti himself was probably one of the victims—and the rule of the Nine collapsed in 1355. But this glorious vision of joyful prosperity preserves the dreams and aspirations of a stable government, using some of the most progressive and creative ideas in fourteenth-century Italian art, ideas whose development we will trace over the next two centuries.

### **LEARN ABOUT IT**

- **17.1** Assess the close connections between works of art and their patrons in fourteenth-century Europe.
- **17.2** Compare and contrast the Florentine and Sienese narrative painting traditions as exemplified by Giotto and Duccio.
- **17.3** Discover the rich references to everyday life and human emotions that begin to permeate figural art in this period.
- **17.4** Explore the production of small-scale works, often made of precious materials and highlighting extraordinary technical virtuosity, that continues from the earlier Gothic period.
- **17.5** Evaluate the regional manifestations of the fourteenth-century Gothic architectural style.

HEAR MORE: Listen to an audio file of your chapter www.myartslab.com



MAP 17-1 • EUROPE IN THE FOURTEENTH CENTURY

From its outbreak in the Mediterranean the Black Death in 1347 swept across the European mainland over the next four years.

### FOURTEENTH-CENTURY EUROPE

Literary luminaries Dante, Petrarch, Boccaccio, Chaucer, and Christine de Pizan (see "A New Spirit in Fourteenth-Century Literature," opposite) and the visionary painters Cimabue, Duccio, Jean Pucelle, and Giotto participated in a cultural explosion that swept through fourteenth-century Europe, and especially Italy. The poet Petrarch (1304–1374) was a towering figure in this change, writing his love lyrics in Italian, the language of everyday life, rather

than Latin, the language of ceremony and high art. Similarly the deeply moving murals of Florentine painter Giotto di Bondone (c. 1277–1337) were rooted in his observation of the people around him, giving the participants in sacred narratives both great dignity and striking humanity, thus making them familiar, yet new, to the audiences that originally experienced them. Even in Paris—still the artistic center of Europe as far as refined taste and technical



# ART AND ITS CONTEXTS

### A New Spirit in Fourteenth-Century Literature

For Petrarch and his contemporaries, the essential qualifications for a writer were an appreciation of Greek and Roman authors and an ability to observe the people living around them. Although fluent in Latin, they chose to write in the language of their own time and place—Italian, English, French. Leading the way was Dante Alighieri (1265–1321), who wrote *The Divine Comedy*, his great summation of human virtue and vice, and ultimately human destiny, in Italian, establishing his daily vernacular as worthy to express great literary themes.

Francesco Petrarca, called simply Petrarch (1304–1374), raised the status of secular literature with his sonnets to his unobtainable beloved, Laura, his histories and biographies, and his writings on the joys of country life in the Roman manner. Petrarch's imaginative updating of Classical themes in a work called *The Triumphs*—which examines the themes of Chastity triumphant over Love, Death over Chastity, Fame over Death, Time over Fame, and Eternity over Time—provided later Renaissance poets and painters with a wealth of allegorical subject matter.

More earthy, Giovanni Boccaccio (1313–1375) perfected the art of the short story in *The Decameron*, a collection of amusing and

moralizing tales told by a group of young Florentines who moved to the countryside to escape the Black Death. With wit and sympathy, Boccaccio presents the full spectrum of daily life in Italy. Such secular literature, written in Italian as it was then spoken in Tuscany, provided a foundation for fifteenth-century Renaissance writers.

In England, Geoffrey Chaucer (c. 1342–1400) was inspired by Boccaccio to write his own series of stories, *The Canterbury Tales*, told by pilgrims traveling to the shrine of St. Thomas à Becket (1118?–1170) in Canterbury. Observant and witty, Chaucer depicted the pretensions and foibles, as well as the virtues, of humanity.

Christine de Pizan (1364–c. 1431), born in Venice but living and writing at the French court, became an author out of necessity when she was left a widow with three young children and an aged mother to support. Among her many works are a poem in praise of Joan of Arc and a history of famous women—including artists—from antiquity to her own time. In *The Book of the City of Ladies*, she defended women's abilities and argued for women's rights and status.

These writers, as surely as Giotto, Duccio, Peter Parler, and Master Theodoric, led the way into a new era.

sophistication were concerned—the painter Jean Pucelle began to show an interest in experimenting with established conventions.

Changes in the way that society was organized were also under way, and an expanding class of wealthy merchants supported the arts as patrons. Artisan guilds—organized by occupation exerted quality control among members and supervised education through an apprenticeship system. Admission to the guild came after examination and the creation of a "masterpiece"—literally, a piece fine enough to achieve master status. The major guilds included cloth finishers, wool merchants, and silk manufacturers, as well as pharmacists and doctors. Painters belonged to the pharmacy guild, perhaps because they used mortars and pestles to grind their colors. Their patron saint, Luke, who was believed to have painted the first image of the Virgin Mary, was also a physician—or so they thought. Sculptors who worked in wood and stone had their own guild, while those who worked in metals belonged to another. Guilds provided social services for their members, including care of the sick and funerals for the deceased. Each guild had its patron saint, maintained a chapel, and participated in religious and civic festivals.

Despite the cultural flourishing and economic growth of the early decades, by the middle of the fourteenth century much of Europe was in crisis. Prosperity had fostered population growth, which began to exceed food production. A series of bad harvests compounded this problem with famine. To make matters worse, a

prolonged conflict known as the Hundred Years' War (1337–1453) erupted between France and England. Then, in mid century, a lethal plague known as the Black Death swept across Europe (MAP 17–1), wiping out as much as 40 percent of the population. In spite of these catastrophic events, however, the strong current of cultural change still managed to persist through to the end of the century and beyond.

### **ITALY**

As great wealth promoted patronage of art in fourteenth-century Italy, artists began to emerge as individuals, in the modern sense, both in their own eyes and in the eyes of patrons. Although their methods and working conditions remained largely unchanged from the Middle Ages, artists in Italy contracted freely with wealthy townspeople and nobles as well as with civic and religious bodies. Perhaps it was their economic and social freedom that encouraged ambition and self-confidence, individuality and innovation.

### FLORENTINE ARCHITECTURE AND METALWORK

The typical medieval Italian city was a walled citadel on a hilltop. Houses clustered around the church and an open city square. Powerful families added towers to their houses, both for defense



17-2 • PIAZZA DELLA SIGNORIA WITH PALAZZO DELLA SIGNORIA (TOWN HALL) 1299-1310, AND LOGGIA DEI LANZI (LOGGIA OF THE LANCERS), 1376-1382 Florence.

SEE MORE: Click the Google Earth link for the Palazzo della Signoria www.myartslab.com

and as expressions of family pride. In Florence, by contrast, the ancient Roman city—with its axial rectangular plan and open city squares—formed the basis for civic layout. The cathedral stood northeast of the ancient forum and a street following the Roman plan connected it with the Piazza della Signoria, the seat of the government.

THE PALAZZO DELLA SIGNORIA. The Signoria (ruling body, from *signore*, meaning "Lord") that governed Florence met in the **PALAZZO DELLA SIGNORIA**, a massive fortified building with a tall bell tower 300 feet high (FIG. 17–2). The building faces a large square, or piazza, which became the true center of Florence. The town houses around the piazza often had benches along their walls to provide convenient public seating. Between 1376 and 1382,

master builders Benci di Cione and Simone Talenti constructed a huge **loggia** or covered open-air corridor at one side—now known as the Loggi dei Lanzi (Loggia of the Lancers)—to provide a sheltered locale for ceremonies and speeches.

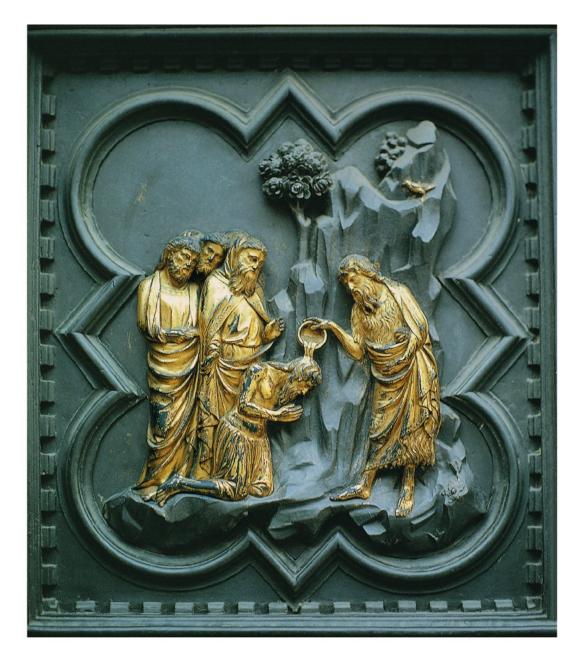
THE BAPTISTERY DOORS. In 1330, Andrea Pisano (c. 1290–1348) was awarded the prestigious commission for a pair of gilded bronze doors for the Florentine Baptistery of San Giovanni, situated directly in front of the cathedral. (Andrea's "last" name means "from Pisa;" he was not related to Nicola and Giovanni Pisano.) The doors were completed within six years and display 20 scenes from the **LIFE OF JOHN THE BAPTIST** (the San Giovanni to whom the baptistery is dedicated) set above eight personifications of the Virtues (FIG. 17–3). The overall effect is two-dimensional and



17-3 • Andrea Pisano LIFE OF JOHN THE BAPTIST

South doors, Baptistery of San Giovanni, Florence. 1330–1336. Gilded bronze, each panel  $19^{1}/4 \times 17''$  (48  $\times$  43 cm). Frame, Ghiberti workshop, mid-15th century.

The bronze vine scrolls filled with flowers, fruits, and birds on the lintel and jambs framing the door were added in the mid fifteenth century.



17-4 • Andrea Pisano
THE BAPTISM OF THE
MULTITUDE

From the south doors, Baptistery of San Giovanni, Florence. 1330–1336. Gilded bronze,  $19^{1}4 \times 17''$  (48 × 43 cm).

decorative: a grid of 28 rectangles with repeated quatrefoils filled by the graceful, patterned poses of delicate human figures. Within the quatrefoil frames, however, the figural compositions create the illusion of three-dimensional forms moving within the described spaces of natural and architectural worlds.

The scene of John baptizing a multitude (FIG. 17–4) takes place on a shelflike stage created by a forward extension of the rocky natural setting, which also expands back behind the figures into a corner of the quatrefoil frame. Composed as a rectangular group, the gilded figures present an independent mass of modeled forms. The illusion of three-dimensionality is enhanced by the way the curving folds of their clothing wrap around their bodies. At the same time, their graceful gestures and the elegant fall of their drapery reflect the soft curves and courtly postures of French Gothic art. Their quiet dignity, however, seems particular to the work of Andrea himself.

### FLORENTINE PAINTING

Florence and Siena, rivals in so many ways, each supported a flourishing school of painting in the fourteenth century. Both grew out of thirteenth-century painting traditions and engendered individual artists who became famous in their own time. The Byzantine influence—the maniera greca ("Greek style")—continued to provide models of dramatic pathos and narrative iconography, as well as stylized features including the use of gold for drapery folds and striking contrasts of highlights and shadows in the modeling of individual forms. By the end of the fourteenth century, the painter and commentator Cennino Cennini (see "Cennino Cennini on Panel Painting," page 544) would be struck by the accessibility and modernity of Giotto's art, which, though it retained traces of the maniera greca, was moving toward the depiction of a lifelike, contemporary world anchored in three-dimensional forms.

CIMABUE. In Florence, this transformation to a more modern style began a little earlier than in Siena. About 1280, a painter named Cenni di Pepi (active c. 1272–1302), better known by his nickname "Cimabue," painted a panel portraying the VIRGIN AND CHILD ENTHRONED (FIG. 17–5), perhaps for the main altar of the church of Santa Trinità in Florence. At over 12 feet tall, this enormous painting set a new precedent for monumental altarpieces. Cimabue surrounds the Virgin and Child with angels and places a row of Hebrew Bible prophets beneath them. The hieratically scaled figure of Mary holds the infant Jesus in her lap. Looking out at the viewer while gesturing toward her son as the

path to salvation, she adopts a formula popular in Byzantine iconography since at least the seventh century (SEE FIG. 7–29).

Mary's huge throne, painted to resemble gilded bronze with inset enamels and gems, provides an architectural framework for the figures. Cimabue creates highlights on the drapery of Mary, Jesus, and the angels with thin lines of gold, as if to capture their divine radiance. The viewer seems suspended in space in front of the image, simultaneously looking down on the projecting elements of the throne and Mary's lap, while looking straight ahead at the prophets at the base of the throne and the angels at each side. These spatial ambiguities, the subtle asymmetries within the



17-5 • Cimabue VIRGIN AND CHILD ENTHRONED

Most likely painted for the high altar of the church of Santa Trinità, Florence. c. 1280. Tempera and gold on wood panel,  $12'7'' \times 7'4''$  (3.53  $\times$  2.2 m). Galleria degli Uffizi, Florence.

SEE MORE: See a video about the egg tempera process www.myartslab.com centralized composition, the Virgin's engaging gaze, and the individually conceived faces of the old men give the picture a sense of life and the figures a sense of presence. Cimabue's ambitious attention to spatial volumes, his use of delicate modeling in light and shade to simulate three-dimensional form, and his efforts to give naturalistic warmth to human figures had an impact on the future development of Italian painting.

GIOTTO DI BONDONE. According to the sixteenth-century chronicler Giorgio Vasari, Cimabue discovered a talented shepherd boy, Giotto di Bondone, and taught him to paint—and "not only

did the young boy equal the style of his master, but he became such an excellent imitator of nature that he completely banished that crude Greek [i.e., Byzantine] style and revived the modern and excellent art of painting, introducing good drawing from live natural models, something which had not been done for more than two hundred years" (Vasari, translated by Bondanella and Bondanella, p. 16). After his training, Giotto may have collaborated on murals at the prestigious church of St. Francis in Assisi. We know he worked for the Franciscans in Florence and absorbed facets of their teaching. St. Francis's message of simple, humble devotion, direct experience of God, and love for all creatures was



# 17-6 • Giotto di Bondone VIRGIN AND CHILD ENTHRONED

Most likely painted for the high altar of the church of the Ognissanti (All Saints), Florence. 1305–1310. Tempera and gold on wood panel,  $10'8'' \times 6'8'4''$  (3.53  $\times$  2.05 m). Galleria degli Uffizi, Florence.

EXPLORE MORE: Gain insight from a primary source by Dante Alighieri that references Giotto di Bondone www.myartslab.com

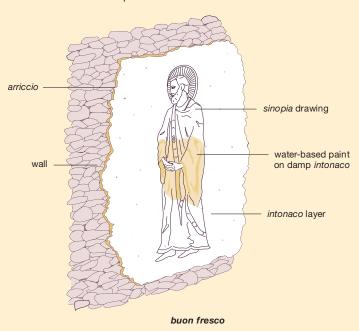
## **TECHNIQUE** | Buon Fresco

The two techniques used in mural painting are buon ("true") fresco ("fresh"), in which paint is applied with water-based paints on wet plaster, and fresco secco ("dry"), in which paint is applied to a dry plastered wall. The two methods can be used on the same wall painting.

The advantage of buon fresco is its durability. A chemical reaction occurs as the painted plaster dries, which bonds the pigments into the wall surface. In fresco secco, by contrast, the color does not become part of the wall and tends to flake off over time. The chief disadvantage of buon fresco is that it must be done quickly without mistakes. The painter plasters and paints only as much as can be completed in a day, which explains the Italian term for each of these sections: giornata, or a day's work. The size of a giornata varies according to the complexity of the painting within it. A face, for instance, might take an entire day, whereas large areas of sky can be painted quite rapidly. In Giotto's Scrovegni Chapel, scholars have identified 852 separate giornate, some worked on concurrently within a single day by assistants in Giotto's workshop.

In medieval and Renaissance Italy, a wall to be frescoed was first prepared with a rough, thick undercoat of plaster known as the *arriccio*. When this was dry, assistants copied the master painter's composition onto it with reddish-brown pigment or charcoal. The artist made any necessary adjustments. These underdrawings, known as **sinopia**, have an immediacy and freshness lost in the finished painting. Work proceeded in irregularly shaped *giornate* conforming to the contours of major figures and objects. Assistants covered one section at a time with a fresh, thin coat of very fine plaster—the *intonaco*—

over the *sinopia*, and when this was "set" but not dry, the artist worked with pigments mixed with water, painting from the top down so that drips fell on unfinished portions. Some areas requiring pigments such as ultramarine blue (which was unstable in *buon fresco*), as well as areas requiring gilding, would be added after the wall was dry using the *fresco secco* technique.



gaining followers throughout western Europe, and it had a powerful impact on thirteenth- and fourteenth-century Italian literature and art.

Compared to Cimabue's Virgin and Child Enthroned, Giotto's panel of the same subject (FIG. 17-6), painted about 30 years later for the church of the Ognissanti (All Saints) in Florence, exhibits greater spatial consistency and sculptural solidity while retaining some of Cimabue's conventions. The position of the figures within a symmetrical composition reflects Cimabue's influence. Gone, however, are Mary's modestly inclined head and the delicate gold folds in her drapery. Instead, light and shadow play gently across her stocky form, and her action—holding her child's leg instead of pointing him out to us—seems less contrived. This colossal Mary overwhelms her slender Gothic tabernacle of a throne, where figures peer through openings and haloes overlap faces. In spite of the hieratic scale and the formal, enthroned image and flat, gold background, Giotto has created the sense that these are fully three-dimensional beings, whose plainly draped, bulky bodies inhabit real space. The Virgin's solid torso is revealed by her thin tunic, and Giotto's angels are substantial solids whose foreshortened postures project from the foreground toward us, unlike those of Cimabue, which stay on the surface along lateral strips composed of overlapping screens of color.

Although he was trained in the Florentine tradition, many of Giotto's principal works were produced elsewhere. After a so journ in Rome during the last years of the thirteenth century, he was called to Padua in northern Italy soon after 1300 to paint frescos (see "Buon Fresco," above) for a new chapel being constructed at the site of an ancient Roman arena—explaining why it is usually referred to as the Arena Chapel. The chapel was commissioned by Enrico Scrovegni, whose family fortune was made through the practice of usury—which at this time meant charging interest when loaning money, a sin so grave that it resulted in exclusion from the Christian sacraments. Enrico's father, Regibaldo, was a particularly egregious case (he appears in Dante's In frno as the prototypical usurer), but evidence suggests that Enrico followed in his father's footsteps, and the building of the Arena Chapel next to his new palatial residence seems to have been conceived at least in part as a penitential act, part of Enrico's campaign not only to atone for his father's sins, but also to seek absolution for his own. He was pardoned by Pope Benedict XI (pontificate 1303-1304).

That Scrovegni called two of the most famous artists of the time—Giotto and Giovanni Pisano (SEE FIG. 16–33)—to decorate his chapel indicates that his goals were to express his power, sophistication, and prestige, as well as to atone for his sins. The building itself has little architectural distinction. It is a simple,



17-7 • Giotto di Bondone SCROVEGNI (ARENA) CHAPEL Padua. 1305–1306. Frescos. View toward east wall.

barrel-vaulted room that provides broad walls, a boxlike space to showcase Giotto's paintings (FIG. 17–7). Giotto covered the entrance wall with the Last Judgment (not visible here), and the sanctuary wall with three highlighted scenes from the life of Christ. The Annunciation spreads over the two painted architectural frameworks on either side of the high arched opening into the sanctuary itself. Below this are, to the left, the scene of Judas receiving payment for betraying Jesus, and, to the right, the scene of the Visitation, where the Virgin, pregnant with God incarnate, embraces her cousin Elizabeth, pregnant with John the Baptist. The compositions and color arrangement of these two scenes create a symmetrical pairing that encourages viewers to relate them, comparing the ill-gotten financial gains of Judas (a rather clear reference to Scrovegni usury) to the miraculous pregnancy that brought the promise of salvation.

Giotto subdivided the side walls of the chapel into framed pictures. A dado of faux-marble and allegorical **grisaille** (monochrome paintings in shades of gray) paintings of the Virtues and

Vices support vertical bands painted to resemble marble inlay into which are inserted painted imitations of carved medallions. The central band of medallions spans the vault, crossing a brilliant, lapis-blue, star-spangled sky in which large portrait disks float like glowing moons. Set into this framework are three horizontal bands of rectangular narrative scenes from the life of the Virgin and her parents at the top, and Jesus along the middle and lower registers, constituting together the primary religious program of the chapel.

Both the individual scenes and the overall program display Giotto's genius for distilling complex stories into a series of compelling moments. He concentrates on the human dimensions of the unfolding drama—from touches of anecdotal humor to expressions of profound anguish—rather than on its symbolic or theological weight. His prodigious narrative skills are apparent in a set of scenes from Christ's life on the north wall (FIG. 17–8). At top left Jesus performs his first miracle, changing water into wine at the wedding feast at Cana. The wine steward—looking very much like the jars of new wine himself—sips the results. To the right is the



17-8 • Giotto di Bondone MARRIAGE AT CANA, RAISING OF LAZARUS, LAMENTATION, AND RESURRECTION / NOLI ME TANGERE

North wall of Scrovegni (Arena) Chapel, Padua. 1305-1306. Fresco, each scene approx. 6'5" × 6' (2 × 1.85 m).

Raising of Lazarus, where boldly modeled and individualized figures twist in space. Through their postures and gestures they react to the human drama by pleading for Jesus' help, or by expressing either astonishment at the miracle or revulsion at the smell of death. Jesus is separated from the crowd. His transforming gesture is highlighted against the dark blue of the background, his profile face locked in communication with the similarly isolated Lazarus, whose eyes—still fixed in death—let us know that the miracle is just about to happen.

On the lower register, where Jesus' grief-stricken followers lament over his dead body, Giotto conveys palpable human suffering, drawing viewers into a circle of personal grief. The stricken Virgin pulls close to her dead son, communing with mute intensity, while John the Evangelist flings his arms back in convulsive despair and others hunch over the corpse. Giotto has

linked this somber scene—much as he linked the scene of Judas' pact and the Visitation across the sanctuary arch—to the mourning of Lazarus on the register above through the seemingly continuous diagonal implied by the sharply angled hillside behind both scenes and by the rhyming repetition of mourners in each scene—facing in opposite directions—who throw back their arms to express their emotional state. Viewers would know that the mourning in both scenes is resolved by resurrection, portrayed in the last picture in this set.

Following traditional medieval practice, the fresco program is full of scenes and symbols like these that are intended to be contemplated as coordinated or contrasting juxtapositions. What is new here is the way Giotto draws us into the experience of these events. This direct emotional appeal not only allows viewers to imagine these scenes in relation to their own life experiences; it



17-9 • Giotto di Bondone KISS OF JUDAS South wall of Scrovegni (Arena) Chapel, Padua. 1305–1306. Fresco, 6'634" × 6'76" (2 × 1.85 m).

also embodies the new Franciscan emphasis on personal devotion rooted in empathetic responses to sacred stories.

One of the most gripping paintings in the chapel is Giotto's portrayal of the KISS OF JUDAS, the moment of betrayal that represents the first step on Jesus' road to the Crucifixion (FIG. 17-9). Savior and traitor are slightly off-center in the near foreground. The expansive sweep of Judas' strident yellow cloak the same outfit he wore at the scene of his payment for the betrayal on the strip of wall to the left of the sanctuary arch-almost completely swallows Christ's body. Surrounding them, faces glare from all directions. A bristling array of weapons radiating from the confrontation draws attention to the encounter between Christ and Judas and documents the militarism of the arresting battalion. lesus stands solid, a model of calm resolve that recalls his visual characterization in the Resurrection of Lazarus, and forms a striking foil to the noisy and chaotic aggression that engulfs him. Judas, in simian profile, purses his lips for the treacherous kiss that will betray lesus to his captors, setting up a mythic confrontation of good and evil. In a subplot to the left, Peter lunges forward to sever the ear of a member of the arresting retinue. They are behind another broad sweep of fabric, this one extended by an ominous figure seen from behind and completely concealed except for the clenched hand that pulls at Peter's mantle. Indeed, a broad expanse of cloth and lateral gestures creates a barrier along the picture plane—as if to protect viewers from the compressed chaos of the scene itself. Rarely has this poignant event been visualized with such riveting power.

## SIENESE PAINTING

Like their Florentine rivals, Sienese painters were rooted in thirteenth-century pictorial traditions, especially those of Byzantine art. Sienese painting emphasized the decorative potential of narrative painting, with brilliant, jewel-like colors and elegantly posed figures. For this reason, some art historians consider Sienese art more conservative than Florentine art, but we will see that it has its own charm, and its own narrative strategy.

DUCCIO DI BUONINSEGNA. Siena's foremost painter was Duccio di Buoninsegna (active 1278–1318), whose creative synthesis of Byzantine and French Gothic sources transformed the tradition in which he worked. The format of a large altarpiece he painted for the church of Santa Maria Novella in Florence after 1285 (FIG. 17–10) is already familiar from the Florentine altarpieces of Cimabue and Giotto (SEE FIGS. 17–5 and 17–6). A monumental Virgin and Child sit on an elaborate throne, set against a gold ground and seemingly supported by flanking angels. But in striking

contrast both with Cimabue's Byzantine drapery stylizations and sense of three-dimensional form and space, and with Giotto's matter-of-fact emphasis on weightiness and references to an earthly setting, Duccio's figural composition foregrounds gracefulness of pose and gesture and a color scheme rich in luminous pastels. Drapery not only models his figures into convincing forms; it also falls into graceful lines and patterns, especially apparent in the sinuous golden edge of the Virgin's deep blue mantle and the ornamental extravagance of the brocade hangings on her throne.



17-10 • Duccio di Buoninsegna VIRGIN AND CHILD ENTHRONED (RUCELLAI MADONNA)

Commissioned in 1285. Tempera and gold on wood panel,  $14'9^1\ell'' \times 9'6^1\ell''$  (4.5  $\times$  2.9 m). Galleria degli Uffizi, Florence.

This altarpiece, commissioned in 1285 for the church of Santa Maria Novella in Florence by the Society of the Virgin Mary, is now known as the *Rucellai Madonna* because it was installed at one time in the Rucellai family's chapel within the church.



17-11a • Duccio di Buoninsegna CONJECTURAL RECONSTRUCTION OF THE FRONT OF THE MAESTÀ ALTARPIECE

Made for Siena Cathedral. 1308–1311. Tempera and gold on wood, main front panel  $7\times13'$  (2.13  $\times$  4.12 m).

EXPLORE MORE: Gain insight from a primary source related to Duccio's *Maestà* www.myartslab.com



17-11b • Duccio di Buoninsegna CONJECTURAL RECONSTRUCTION OF THE BACK OF THE MAESTÀ ALTARPIECE

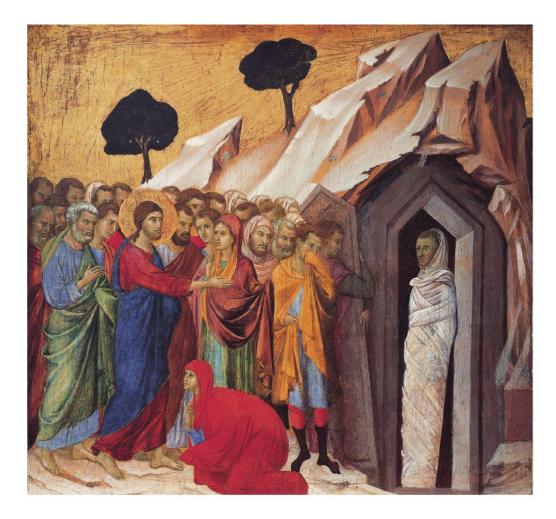
Between 1308 and 1311, Duccio and his workshop painted a huge altarpiece commissioned by Siena Cathedral and known as the *Maestà* ("Majesty") (FIG. 17–11). Creating this altarpiece—assembled from many wood panels bonded together before painting—was an arduous undertaking. The work was not only large—the central panel alone was 7 by 13 feet—but it had to be painted on both sides since it could be seen from all directions when installed on the main altar at the center of the sanctuary.

Because the Maestà was dismantled in 1771, its power and beauty can only be imagined from scattered parts, some still in Siena but others elsewhere. Fig. 17-11a is a reconstruction of how the front of the original altarpiece might have looked. It is dominated by a large representation of the Virgin and Child in Majesty (thus its title of Maestà), flanked by 20 angels and ten saints, including the four patron saints of Siena kneeling in the foreground. Above and below this lateral tableau were small narrative scenes from the last days of the life of the Virgin (above) and the infancy of Christ (spread across the predella). An inscription running around the base of Mary's majestic throne places the artist's signature within an optimistic framework: "Holy Mother of God, be thou the cause of peace for Siena and life to Duccio because he painted thee thus." This was not Duccio's first work for the cathedral. In 1288 he had designed a stunning stained-glass window portraying the Death, Assumption, and Coronation of the Virgin for the huge circular

opening in the east wall of the sanctuary. It would have hovered over the installed *Maestà* when it was placed on the altar in 1311.

On the back of the Maestà (FIG. 17-11b) were episodes from the life of Christ, focusing on his Passion. Sacred narrative unfolds in elegant episodes enacted by graceful figures who seem to dance their way through these stories while still conveying emotional content. Characteristic of Duccio's narrative style is the scene of the RAISING OF LAZARUS (FIG. 17–12). Lyrical figures enact the event with graceful decorum, but their highly charged glances and expressive gestures—especially the bold reach of Christ—convey a strong sense of dramatic urgency that contrasts with the tense stillness that we saw in Giotto's rendering of this same moment of confrontation (SEE FIG. 17-8). Duccio's shading of drapery, like his modeling of faces, faithfully describes the figures' threedimensionality, but the crisp outlines of the jewel-colored shapes created by their drapery, as well as the sinuous continuity of folds and gestures, generate rhythmic patterns across the surface. Experimentation with the portrayal of space extends from the receding rocks of the mountainous landscape to carefully studied interiors, here the tomb of Lazarus whose heavy door was removed by the straining hug of a bystander to reveal the shrouded figure of Jesus' resurrected friend, propped up against the door jamb.

The enthusiasm with which citizens greeted a great painting or altarpiece like the *Maestà* demonstrates the power of images as



**17–12** • Duccio di Buoninsegna **RAISING OF LAZARUS**From the back of the *Maestà* altarpiece (lower right corner of FIG. 17–9b), made for Siena Cathedral. 1308–1311. Tempera and gold on wood, 17½ × 18½ (43.5 × 46.4 cm). Kimbell Art Museum, Fort Worth, Texas.

# TECHNIQUE | Cennino Cennini on Panel Painting

Il Libro dell' Arte (The Book of Art) of Cennino Cennini (c. 1370–1440) is a compendium of Florentine painting techniques from about 1400 that includes step-by-step instructions for making panel paintings, a process also used in Sienese paintings of the same period.

The wood for the panels, he explains, should be fine-grained, free of blemishes, and thoroughly seasoned by slow drying. The first step in preparing such a panel for painting was to cover its surface with clean white linen strips soaked in a **gesso** made from gypsum, a task, he tells us, best done on a dry, windy day. Gesso provided a ground, or surface, on which to paint, and Cennini specified that at least nine layers should be applied. The gessoed surface should then be burnished until it resembles ivory. Only then could the artist sketch the composition of the work with charcoal made from burned willow twigs. At this point, advised Cennini, "When you have finished drawing your figure, especially if it is in a very valuable [altarpiece], so that you are counting on profit and reputation from it, leave it alone for a few days, going back to it now and then to look it over and improve it wherever it still needs something. When it seems to you about right (and bear in mind that you may copy and examine things done by other good

masters; that it is no shame to you) when the figure is satisfactory, take the feather and rub it over the drawing very lightly, until the drawing is practically effaced" (Cennini, trans. Thompson, p. 75). At this point, the final design would be inked in with a fine squirrel-hair brush. Gold leaf, he advises, should be affixed on a humid day, the tissue-thin sheets carefully glued down with a mixture of fine powdered clay and egg white on the reddish clay ground called bole. Then the gold is burnished with a gemstone or the tooth of a carnivorous animal. Punched and incised patterning should be added to the gold leaf later.

Fourteenth- and fifteenth-century Italian painters worked principally in tempera paint, powdered pigments mixed with egg yolk, a little water, and an occasional touch of glue. Apprentices were kept busy grinding pigments and mixing paints, setting them out for more senior painters in wooden bowls or shell dishes.

Cennini outlined a detailed and highly formulaic painting process. Faces, for example, were always to be done last, with flesh tones applied over two coats of a light greenish pigment and highlighted with touches of red and white. The finished painting was to be given a layer of varnish to protect it and intensify its colors.

EXPLORE MORE: Gain insight from a primary source by Cennino Cennini www.myartslab.com



17-13 • Simone Martini and Lippo Memmi ANNUNCIATION Made for Siena Cathedral. 1333. Tempera and gold on wood, 10' × 8'9" (3 × 2.67 m). Galleria degli Uffizi, Florence.



17-14 • AERIAL VIEW OF THE CAMPO IN SIENA WITH THE PALAZZO PUBBLICO (CITY HALL INCLUDING ITS TOWER) FACING ITS STRAIGHT SIDE
Siena. Palazzo Pubblico 1297-c. 1315; tower 1320s-1340s.

well as the association of such magnificent works with the glory of the city itself. According to a contemporary account, on December 20, 1311, the day that Duccio's altarpiece was carried from his workshop to the cathedral, all the shops were shut, and everyone in the city participated in the procession, with "bells ringing joyously, out of reverence for so noble a picture as is this" (Holt, p. 69).

SIMONE MARTINI. The generation of painters who followed Duccio continued to paint in the elegant style he established, combining the evocation of three-dimensional form with a graceful continuity of linear pattern. One of Duccio's most successful and innovative followers was Simone Martini (c. 1284–1344), whose paintings were in high demand throughout Italy, including in Assisi where he covered the walls of the St. Martin Chapel with frescos between 1312 and 1319. His most famous work, however, was commissioned in 1333 for the cathedral of his native Siena, an altarpiece of the **ANNUNCIATION** flanked by two saints (FIG. 17–13) that he painted in collaboration with his brother-in-law, Lippo Memmi.

The smartly dressed figure of Gabriel—the extended flourish of his drapery behind him suggesting he has just arrived, and with some speed—raises his hand to address the Virgin. The words of his message are actually incised into the gold-leafed gesso of the background, running from his opened mouth toward the Virgin's ear: *Ave gratia plena dominus tecum* (Luke 1:28: "Hail, full of grace, the Lord is with thee"). Seemingly frightened—at the very least startled—by this forceful and unexpected celestial messenger, Mary recoils into her lavish throne, her thumb inserted into the book she had been reading to safeguard her place, while her other hand pulls at her clothing in an elegant gesture of nobility ultimately deriving from the courtly art of thirteenth-century Paris (see Solomon, second lancet from the right in FIG. 16–13).

AMBROGIO LORENZETTI. The most important civic structure in Siena was the PALAZZO PUBBLICO (FIG. 17–14), the town hall which served as the seat of government, just as the Palazzo della Signoria did in rival Florence. There are similarities between these two buildings. Both are designed as strong, fortified structures sitting on the edge of a public piazza; both have a tall tower,

making them visible signs of the city from a considerable distance. The Palazzo Pubblico was constructed from 1297 to 1310, but the tower was not completed until 1348, when the bronze bell, which rang to signal meetings of the ruling council, was installed.

The interior of the Palazzo Pubblico was the site of important commissions by some of Siena's most famous artists. In c. 1315, Simone Martini painted a large mural of the Virgin in Majesty surrounded by saints—clearly based on Duccio's recently installed *Maestà*. Then, in 1338, the Siena city council commissioned Ambrogio Lorenzetti to paint frescos for the council room of the Palazzo known as the Sala della Pace (Chamber of Peace) on the theme of the contrast between good and bad government (SEE FIG. 17–1).

Ambrogio painted the results of both good and bad government on the two long walls. For the expansive scene of the **EFFECTS OF GOOD GOVERNMENT IN THE CITY AND IN THE COUNTRY**, and in tribute to his patrons, Ambrogio created an idealized but recognizable portrait of the city of Siena and its immediate environs (FIG. 17–15). The cathedral dome and the distinctive striped campanile are visible in the upper left-hand corner; the streets are filled with the bustling activity of productive citi-zens who also have time for leisurely diversions. Ambrogio shows the city from shifting viewpoints so we can see as much as possible, and renders its inhabitants larger in scale than the buildings around them so as to highlight their activity. Featured in the foreground is a circle of dancers—probably a professional troupe of male entertainers masquerading as women as part of a spring festival—and above them, at the top of the

painting, a band of masons stand on exterior scaffolding constructing the wall of a new building.

The Porta Romana, Siena's gateway leading to Rome, divides the thriving city from its surrounding countryside. In this panoramic landscape painting, Ambrogio describes a natural world marked by agricultural productivity, showing activities of all seasons simultaneously—sowing, hoeing, and harvesting. Hovering above the gate that separates city life and country life is a woman clad in a wisp of transparent drapery, a scroll in one hand and a miniature gallows complete with a hanged man in the other. She represents Security, and her scroll bids those coming to the city to enter without fear because she has taken away the power of the guilty who would harm them.

The world of the Italian city-states—which had seemed so full of promise in Ambrogio Lorenzetti's *Good Government* fresco—was transformed as the middle of the century approached into uncertainty and desolation by a series of natural and societal disasters—in 1333, a flood devastated Florence, followed by banking failures in the 1340s, famine in 1346–1347, and epidemics of the bubonic plague, especially virulent in the summer of 1348, just a few years after Ambrogio's frescos were completed. Some art historians have traced the influence of these calamities on the visual arts at the middle of the fourteenth century (see "The Black Death," page 548). Yet as dark as those days must have seemed to the men and women living through them, the strong currents of cultural and artistic change initiated earlier in the century would persist. In a relatively short span of time, the European Middle Ages gave way in Florence to a new movement that would blossom in the Italian Renaissance.



17-15 • Ambrogio Lorenzetti THE EFFECTS OF GOOD GOVERNMENT IN THE CITY AND IN THE COUNTRY Sala dei Nove (also known as Sala della Pace), Palazzo Pubblico, Siena, Italy. 1338–1339. Fresco, total length about 46' (14 m).

## **FRANCE**

At the beginning of the fourteenth century, the royal court in Paris was still the arbiter of taste in western Europe, as it had been in the days of King Louis IX (St. Louis). During the Hundred Years' War, however, the French countryside was ravaged by armed struggles and civil strife. The power of the old feudal nobility, weakened significantly by warfare, was challenged by townsmen, who took advantage of new economic opportunities that opened up in the wake of the conflict. As centers of art and architecture, the duchy of Burgundy, England, and, for a brief golden moment, the court of Prague began to rival Paris.

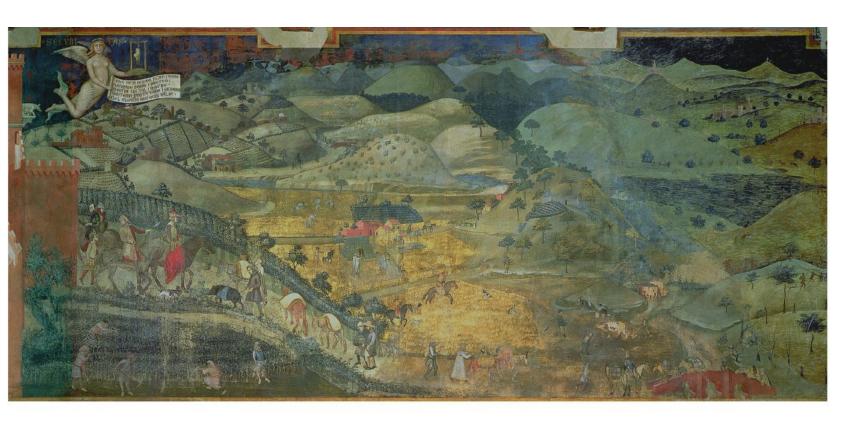
French sculptors found lucrative new outlets for their work—not only in stone, but in wood, ivory, and precious metals, often decorated with enamel and gemstones—in the growing demand among wealthy patrons for religious art intended for homes as well as churches. Manuscript painters likewise created lavishly illustrated books for the personal devotions of the wealthy and powerful. And architectural commissions focused on smaller, exquisitely detailed chapels or small churches, often under private patronage, rather than on the building of cathedrals funded by church institutions.

### MANUSCRIPT ILLUMINATION

By the late thirteenth century, private prayer books became popular among wealthy patrons. Because they contained special prayers to be recited at the eight canonical devotional "hours" between morning and night, an individual copy of one of these books came to be called a **Book of Hours**. Such a book included everything the lay person needed for pious practice—psalms, prayers to and offices of the Virgin and other saints (like the owner's patron or the patron of their home church), a calendar of feast days, and sometimes prayers for the dead. During the fourteenth century, a richly decorated Book of Hours was worn or carried like jewelry, counting among a noble person's most important portable possessions.

THE BOOK OF HOURS OF JEANNE D'ÉVREUX. Perhaps at their marriage in 1324, King Charles IV gave his 14-year-old queen, eanne d'Évreux, a tiny Book of Hours—it fits easily when open within one hand—illuminated by Parisian painter Jean Pucelle (see "A Closer Look," page 550). This book was so precious to the queen that she mentioned it and its illuminator specifically in her will, leaving this royal treasure to King Charles V. Pucelle painted the book's pictures in grisaille—monochromatic painting in shades of gray with only delicate touches of color. His style clearly derives from the courtly mode established in Paris at the time of St. Louis, with its softly modeled, voluminous draperies gathered loosely and falling in projecting diagonal folds around tall, elegantly posed figures with carefully coiffed curly hair, broad foreheads, and delicate features. But his conception of space, with figures placed within coherent, discrete architectural settings, suggests a firsthand knowledge of contemporary Sienese art.

Jeanne appears in the initial D below the Annunciation, kneeling in prayer before a lectern, perhaps using this Book of Hours to guide her meditations, beginning with the words written





# ART AND ITS CONTEXTS

## The Black Death

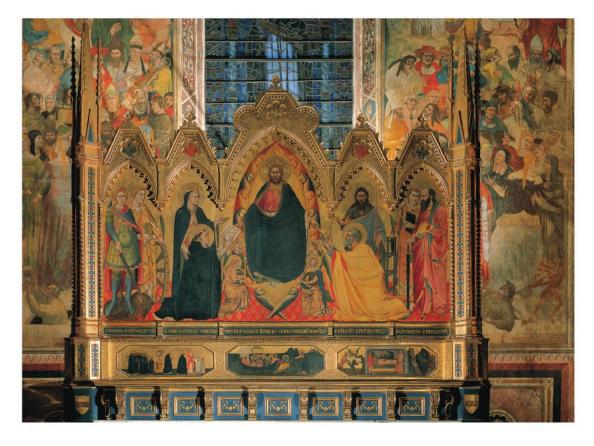
A deadly outbreak of the bubonic plague, known as the Black Death after the dark sores that developed on the bodies of its victims, spread to Europe from Asia, both by land and by sea, in the middle of the fourteenth century. At least half the urban population of Florence and Siena—some estimate 80 percent—died during the summer of 1348, probably including the artists Andrea Pisano and Ambrogio Lorenzetti. Death was so quick and widespread that basic social structures crumbled in the resulting chaos; people did not know where the disease came from, what caused it, or how long the pandemic would last.

Mid-twentieth-century art historian Millard Meiss proposed that the Black Death had a significant impact on the development of Italian art in the middle of the fourteenth century. Pointing to what he saw as a reactionary return to hieratic linearity in religious art, Meiss theorized that artists had retreated from the rounded forms that had characterized the work of Giotto to old-fashioned styles, and that this artistic change reflected a growing reliance on traditional religious values in the wake of a disaster that some interpreted as God's punishment of a world in moral decline.

An altarpiece painted in 1354–1357 by Andrea di Cione, nicknamed Orcagna ("Archangel"), under the patronage of Tommasso Strozzi—the so-called *Strozzi Altarpiece*—is an example of the sort of paintings that led Meiss to his interpretation. The painting's otherworldly vision is dominated by a central figure of Christ, presumably enthroned, but

without any hint of an actual seat, evoking the image of the judge at the Last Judgment, outside time and space. The silhouetted outlines of the standing and kneeling saints emphasize surface over depth; the gold expanse of floor beneath them does not offer any reassuring sense of spatial recession to contain them and their activity. Throughout, line and color are more prominent than form.

Recent art historians have stepped back from Meiss's theory of stylistic change in mid-fourteenth-century Italy. Some have pointed out logical relationships between style and subject in the works Meiss cites; others have seen in them a mannered outgrowth of current style rather than a reversion to an earlier style; still others have discounted the underlying notion that stylistic change is connected with social situations. But there is no denying the relationship of works such as the Strozzi Altarpiece with death and judgment, sanctity and the promise of salvation. These themes are suggested in the narrative scenes on the predella (the lower zone of the altarpiece): Thomas Aguinas's ecstasy during Mass, Christ's miraculous walk on water to rescue Peter, and the salvation of Emperor Henry II because of his donation of a chalice to a religious institution. While these are not uncommon scenes in sacred art, it is difficult not see a relationship between their choice as subject matter here and the specter cast by the Black Death over a world that had just imagined its prosperity in pathbreaking works of visual art firmly rooted in references to everyday life.



Andrea di Cione (nicknamed Orcagna) ENTHRONED CHRIST WITH SAINTS, FROM THE STROZZI ALTARPIECE Strozzi Chapel, Santa Maria Novella, Florence. 1354–1357. Tempera and gold on wood, 9' × 9'8"

 $(2.74 \times 2.95 \text{ m}).$ 

EXPLORE MORE: Gain insight from a primary source related to the Black Death www.myartslab.com

on this page: Domine labia mea aperies (Psalm 51:15: "O Lord, open thou my lips"). The juxtaposition of the praying Jeanne's portrait with a scene from the life of the Virgin Mary suggests that the sacred scene is actually a vision inspired by Jeanne's meditations. The young queen might have identified with and sought to feel within herself Mary's joy at Gabriel's message. Given what we

Loyne Teffe Sourcer Royne to france et de Platiante Compriante V

know of Jeanne's own life story and her royal husband's predicament, it might also have directed the queen's prayers toward the fulfillment of his wish for a male heir.

In the Annunciation, Mary is shown receiving the archangel Gabriel in a Gothic building that seems to project outward from the page toward the viewer, while rejoicing angels look on from windows under the eaves. The group of romping children at the bottom of the page at first glance seems to echo the angelic jubilation. Folklorists have suggested, however, that the children are playing "froggy in the middle" or "hot cockles," games in which one child was tagged by the others. To the medieval viewer, if the game symbolized the mocking of Christ or the betrayal of Judas, who "tags" his friend, it would have evoked a darker mood by referring to the picture on the other page of this opening, foreshadowing Jesus' imminent death even as his life is beginning.

### METALWORK AND IVORY

Fourteenth-century French sculpture is intimate in character. Religious subjects became more emotionally expressive; objects became smaller and demanded closer scrutiny from the viewer. In the secular realm, tales of love and valor were carved on luxury items to delight the rich (see "An Ivory Chest with Scenes of Romance," pages 552–553). Precious materials—gold, silver, and ivory—were preferred.

THE VIRGIN AND CHILD FROM SAINT-DENIS. A silver-gilt image of a standing **VIRGIN AND CHILD** (FIG. 17–16) is a rare survivor that verifies the acclaim that was accorded Parisian fourteenth-century goldsmiths. An inscription on the base documents the statue's donation to the abbey church of Saint-Denis in 1339 and the donor's name, the same Queen leanne d'Évreux whose Book of Hours we have just examined. In a style that recalls the work of artist Jean Pucelle in that Book of Hours, the Virgin holds Jesus in her left arm with her weight on her left leg, standing in a graceful, characteristically Gothic S-curve pose. Mary originally wore a crown, and she still holds a large enameled and jeweled feur-delis-the heraldic symbol of royal France-which served as a reliquary container for strands of Mary's hair. The Christ Child, reaching out tenderly to caress his mother's face, is babylike in both form and posture. On the base, minuscule statues of prophets stand on projecting piers to separate 14 enameled scenes from Christ's Infancy and Passion, reminding us of the suffering to come. The apple in the baby's hand carries the theme further with its reference to Christ's role as the new Adam, whose sacrifice on the cross-medieval Christians believed-redeemed humanity from the first couple's fall into sin when Eve bit into the forbidden fruit.

17-16 • VIRGIN AND CHILD c. 1324-1339. Silver gilt and enamel, height 2716" (69 cm). Musée du Louvre, Paris.



# A CLOSER LOOK

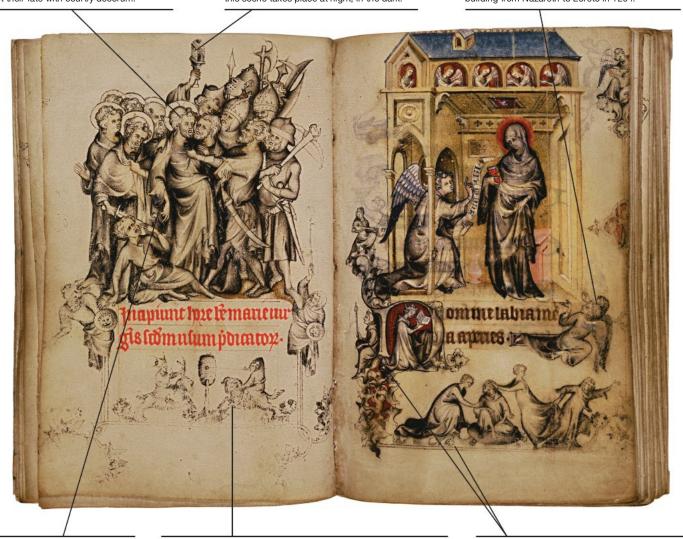
# The Hours of Jeanne d'Évreux

by Jean Pucelle, Two-Page Opening with the Kiss of Judas and the Annunciation. Paris. c. 1325–1328. *Grisaille* and color on vellum, each page  $3\frac{1}{2} \times 2\frac{1}{4}$ " (8.9 × 6.2 cm). Metropolitan Museum of Art, New York. The Cloisters Collection (54.1.2), fols. 15v–16r

In this opening Pucelle juxtaposes complementary scenes drawn from the Infancy and Passion of Christ, placed on opposing pages, in a scheme known as the Joys and Sorrows of the Virgin. The "joy" of the Annunciation on the right is paired with the "sorrow" of the betrayal and arrest of Christ on the left.

Christ sways back gracefully as Judas betrays him with a kiss. The S-curve of his body mirrors the Virgin's pose on the opposite page, as both accept their fate with courtly decorum.

The prominent lamp held aloft by a member of the arresting battalion informs the viewer that this scene takes place at night, in the dark. The angel who holds up the boxlike enclosure where the Annunciation takes place is an allusion to the legend of the miraculous transportation of this building from Nazareth to Loreto in 1294.



Christ reaches casually down to heal Malchus, the assistant of the high priest whose ear Peter had just cut off in angry retaliation for his participation in the arrest of Jesus.

Scenes of secular amusements from everyday life, visual puns, and off-color jokes appear at the bottom of many pages of this book. Sometimes they relate to the themes of the sacred scenes above them. These comic knights riding goats may be a commentary on the lack of valor shown by the soldiers assaulting Jesus, especially if this wine barrel conjured up for Jeanne an association with the Eucharist.

The candle held by the cleric who guards the "door" to Jeanne's devotional retreat, as well as the rabbit emerging from its burrow in the marginal scene, are sexually charged symbols of fertility that seem directly related to the focused prayers of a child bride required to produce a male heir.

SEE MORE: View the Closer Look feature for The Hours of Jeanne d'Évreux www.myartslab.com

## **ENGLAND**

Fourteenth-century England prospered in spite of the ravages of the Black Death and the Hundred Years' War with France. English life at this time is described in the brilliant social commentary of Geoffrey Chaucer in the *Canterbury Tales* (see "A New Spirit in Fourteenth-Century Literature," page 531). The royal family, especially Edward I (r. 1272–1307)—the castle builder—and many of the nobles and bishops were generous patrons of the arts.

## **EMBROIDERY: OPUS ANGLICANUM**

Since the thirteenth century, the English had been renowned for pictorial needlework, using colored silk and gold thread to create images as detailed as contemporary painters produced in manuscripts. Popular throughout Europe, the art came to be called *opus anglicanum* ("English work"). The popes had more than 100 pieces in the Vatican treasury. The names of several prominent embroiderers are known, but in the thirteenth century no one surpassed Mabel of Bury St. Edmunds, who created both religious and secular articles for King Henry III (r. 1216–1272).

THE CHICHESTER-CONSTABLE CHASUBLE. This opus angicanum liturgical vestment worn by a priest during Mass (FIG. 17–17) was embroidered c. 1330–1350 with images formed by subtle gradations of colored silk. Where gold threads were laid and couched (tacked down with colored silk), the effect resembles the burnished gold-leaf backgrounds of manuscript illuminations. The Annunciation, the Adoration of the Magi, and the Coronation of the Virgin are set in cusped, crocketed **ogee** (S-shape) arches, supported on animal-head corbels and twisting branches sprouting oak leaves with seed-pearl acorns. Because the star and crescent moon in the Coronation of the Virgin scene are heraldic emblems of Edward III (r. 1327–1377), perhaps he or a family member commissioned this luxurious vestment.

During the celebration of the Mass, especially as the priest moved, opus andicanum would have glinted in the candlelight amid treasures on the altar. Court dress was just as rich and colorful, and at court such embroidered garments proclaimed the rank and status of the wearer. So heavy did such gold and be jeweled garments become that their wearers often needed help to move.



## 17-17 • LIFE OF THE VIRGIN, BACK OF THE CHICHESTER-CONSTABLE CHASUBLE

From a set of vestments embroidered in *opus* anglicanum from southern England. c. 1330–1350. Red velvet with silk and metallic thread and seed pearls, length 4'3" (129.5 cm), width 30" (76 cm). Metropolitan Museum of Art, New York. Fletcher Fund, 1927 (27 162.1)



# THE OBJECT SPEAKS

## An Ivory Chest with Scenes of Romance

Fourteenth-century Paris was renowned for more than its goldsmiths (SEE FIG. 17-16). Among the most sumptuous and soughtafter Parisian luxury products were small chests assembled from carved ivory plaques that were used by wealthy women to store jewelry or other personal treasures. The entirely secular subject matter of these chests was romantic love. Indeed, they seem to have been courtship gifts from smitten men to desired women, or wedding presents offered by grooms to their brides.

A chest from around 1330-1350, now in the Walters Museum (SEE FIG. A), is one of seven that have survived intact; there are fragments of a dozen more. It is a delightful and typical example. Figural relief covers five exterior sides of the box: around the perimeter and on the hinged top. The assembled panels were joined by metal

hardware-strips, brackets, hinges, handles, and locks-originally wrought in silver. Although some chests tell a single romantic story in sequential episodes, most, like this one, anthologize scenes drawn from a group of stories, combining courtly romance, secular allegory, and ancient fables.

On the lid of the Walters casket (SEE FIG. B), jousting is the theme. Spread over the central two panels, a single scene catches two charging knights in the heat of a tournament, while trumpeting heralds call the attention of spectators, lined up above in a gallery to observe this public display of virility. The panel at right mocks the very ritual showcased in the middle panels by pitting a woman against a knight, battling not with lances but with a long-stemmed rose (symbolizing sexual surrender) and an oak bough (symbolizing fertility). Instead of

observing these silly goings-on, however, the spectators tucked into the upper architecture pursue their own amorous flirtations. Finally, in the scene on the left, knights use crossbows and a catapult to hurl roses at the Castle of Love, while Cupid returns fire with his seductive arrows.

On the front of the chest (SEE FIG. A), generalized romantic allegory gives way to vignettes from a specific story. At left, the long-bearded Aristotle teaches the young Alexander the Great, using exaggerated gestures and an authoritative text to emphasize his point. Today's lesson is a stern warning not to allow the seductive power of women to distract the young prince from his studies. The subsequent scene, however, pokes fun at his eminent teacher, who has become so smitten by the wiles of a young beauty named Phyllis that he lets



A. SMALL IVORY CHEST WITH SCENES FROM COURTLY ROMANCES Made in Paris. c. 1330–1350. Elephant ivory with modern iron mounts, height  $4^{1}2''$  (11.5 cm), width  $9^{11}/_{6}$ " (24.6 cm), depth  $4^{7}/_{6}$ " (12.4 cm). The Walters Art Museum, Baltimore.

her ride him around like a horse, while his student observes this farce, peering out of the castle in the background. The two scenes at right relate to an eastern legend of the fountain of youth, popular in medieval Europe. A line of bearded elders approaches the fountain from the left, steadied by their canes. But after having partaken of its transforming effects, two newly rejuvenated couples, now nude, bathe and flirt within the fountain's basin. The man first in line for treatment, stepping up to climb into the

fountain, looks suspiciously like the figure of the aging Aristotle, forming a link between the two stories on the casket front.

Unlike royal marriages of the time, which were essentially business contracts based on political or financial exigencies, the romantic love of the aristocratic wealthy involved passionate devotion. Images of gallant knights and their coy paramours, who could bring intoxicating bliss or cruelly withhold their love on a whim, captured the popular Gothic imagination. They formed the

principal subject matter on personal luxury objects, not only chests like this, but mirror backs, combs, writing tablets, even ceremonial saddles. And these stories evoke themes that still captivate us since they reflect notions of desire and betrayal, cruel rejection and blissful folly, at play in our own romantic conquests and relationships to this day. In this way they allow us some access to the lives of the people who commissioned and owned these precious objects, even if we ourselves are unable to afford them.



**B. ATTACK ON THE CASTLE OF LOVE** Top of the chest.



# C. TRISTAN AND ISEULT AT THE FOUNTAIN; CAPTURE OF THE UNICORN

Left short side of the chest.

Two other well-known medieval themes are juxtaposed on this plaque from the short side of the ivory chest. At left, Tristan and IseuIt have met secretly for an illicit romantic tryst, while IseuIt's husband, King Mark, tipped off by an informant, observes them from a tree. But when they see his reflection in a fountain between them, they alter their behavior accordingly, and the king believes them innocent of the adultery he had (rightly) suspected. The medieval bestiary ("book of beasts") claimed that only a virgin could capture the mythical unicorn, which at right lays his head, with its aggressively phallic horn, into the lap of just such a pure maiden so that the hunter can take advantage of her alluring powers over the animal to kill it with his phallic counterpart of its horn, a large spear.

#### **ARCHITECTURE**

In the later years of the thirteenth century and early years of the fourteenth, a distinctive and influential Gothic architectural style, popularly known as the "Decorated style," developed in England. This change in taste has been credited to Henry III's ambition to surpass St. Louis, who was his brother-in-law, as a royal patron of the arts.

THE DECORATED STYLE AT EXETER. One of the most complete Decorated-style buildings is **EXETER CATHEDRAL**. Thomas of Witney began construction in 1313 and remained master mason from 1316 to 1342. He supervised construction of the nave and

redesigned upper parts of the choir. He left the towers of the original Norman cathedral but turned the interior into a dazzling stone forest of colonnettes, moldings, and vault ribs (FIG. 17–18). From piers formed by a cluster of colonnettes rise multiple moldings that make the arcade seem to ripple. Bundled colonnettes spring from sculptured foliate **corbels** (brackets that project from a wall) between the arches and rise up the wall to support conical clusters of 13 ribs that meet at the summit of the vault, a modest 69 feet above the floor. The basic structure here is the four-part vault with intersecting cross-ribs, but the designer added additional ribs, called **tiercerons**, to create a richer linear pattern. Elaborately carved **bosses** (decorative knoblike elements)

signal the point where ribs meet along the ridge of the vault. Large bar-tracery clerestory windows illuminate the 300-foot-long nave. Unpolished gray marble shafts, yellow sandstone arches, and a white French stone, shipped from Caen, add subtle gradations of color to the upper wall.

Detailed records survive for the building of Exeter Cathedral, documenting work over the period from 1279 to 1514, with only two short breaks. They record where masons and carpenters were housed (in a hostel near the cathedral) and how they were paid (some by the day with extra for drinks, some by the week, some for each finished piece); how materials were acquired and transported (payments for horseshoes and fodder for the horses); and, of course, payments for the building materials (not only stone and wood but rope for measuring and parchment on which to draw forms for the masons). The bishops contributed generously to the building funds. This was not a labor only of love.

Thomas of Witney also designed the intricate, 57-foot-high bishop's throne (at right in FIG. 17–18), constructed by Richard de Galmeton and Walter of Memburg, who led a team of a dozen carpenters. The canopy resembles embroidery translated into wood, with its maze of pinnacles, bursting with leafy crockets and tiny carved animals and

## 17-18 • EXETER CATHEDRAL

Devon, England. Thomas of Witney, choir, 14th century and bishop's throne, 1313–1317; Robert Lesyngham, east window, 1389–1390.

heads. To finish the throne in splendor, Master Nicolas painted and gilded the wood. When the bishop was seated on his throne wearing embroidered vestments like the Chichester-Constable Chasuble (SEE FIG. 17–17), he must have resembled a golden image in a shrine—more a symbol of the power and authority of the Church than a specific human being.

THE PERPENDICULAR STYLE AT EXETER. During years following the Black Death, work at Exeter Cathedral came to a standstill. The nave had been roofed but not vaulted, and the windows had no glass. When work could be resumed, tastes had changed. The exuberance of the Decorated style gave way to an austere style in which rectilinear patterns and sharp angular shapes replaced intricate curves, and luxuriant foliage gave way to simple stripped-down patterns. This phase is known as the Perpendicular style.

In 1389–1390, well-paid master mason Robert Lesyngham rebuilt the great east window (SEE FIG. 17–18), and he designed the window tracery in the new Perpendicular style. The window fills the east wall of the choir like a glowing altarpiece. A single figure in each light stands under a tall painted canopy that flows into and blends with the stone tracery. The Virgin with the Christ Child stands in the center over the high altar, with four female saints at the left and four male saints on the right, including St. Peter, to whom the church is dedicated. At a distance the colorful figures silhouetted against the silver *gisaille* glass become a band of color, conforming to and thus reinforcing the rectangular pattern of the mullions and transoms. The combination of *grisaille*, silver-oxide stain (staining clear glass with shades of yellow or gold), and colored glass produces a glowing wall, and casts a cool, silvery light over the nearby stonework.

Perpendicular architecture heralds the Renaissance style in its regularity, its balanced horizontal and vertical lines, and its plain wall or window surfaces. When Tudor monarchs introduced Renaissance art into the British Isles, builders were not forced to rethink the form and structure of their buildings; they simply changed the ornament from the pointed cusps and crocketed arches of the Gothic style to the round arches and columns and capitals of Roman Classicism. The Perpendicular style itself became an English architectural vernacular. It remains popular today in the United States for churches and college buildings.

## THE HOLY ROMAN EMPIRE

By the fourteenth century, the Holy Roman Empire existed more as an ideal fiction than a fact. The Italian territories had established their independence, and in contrast to England and France, Germany had become further divided into multiple states with powerful regional associations and princes. The Holy Roman emperors, now elected by Germans, concentrated on securing the fortunes of their families. They continued to be patrons of the arts, promoting local styles.

### MYSTICISM AND SUFFERING

The by-now-familiar ordeals of the fourteenth century—famines, wars, and plagues—helped inspire a mystical religiosity in Germany that emphasized both ecstatic joy and extreme suffering. Devotional images, known as *Andachtsbilder* in German, inspired worshipers to contemplate Jesus' first and last hours, especially during evening prayers, or vespers, giving rise to the term *Vesperbild* for the image of Mary mourning her son. Through such religious exercises, worshipers hoped to achieve understanding of the divine and union with God.

VESPERBILD. In this well-known example (FIG. 17–19), blood gushes from the hideous **rosettes** that form the wounds of an emaciated and lifeless Jesus who teeters improbably on the lap of his hunched-over mother. The Virgin's face conveys the intensity



17-19 • VESPERBILD (PIETÀ)
From the Middle Rhine region, Germany. c. 1330. Wood and polychromy, height 34½" (88.4 cm). Landesmuseum, Bonn.

of her ordeal, mingling horror, shock, pity, and grief. Such images took on greater poignancy since they would have been compared, in the worshiper's mind, to the familiar, almost ubiquitous images of the young Virgin mother holding her innocent and loving baby Jesus.

THE HEDWIG CODEX. The extreme physicality and emotionalism of the *Vesperbild* finds parallels in the actual lives of some medieval saints in northern Europe. St. Hedwig (1174–1243), married at age 12 to Duke Henry I of Silesia and mother of his seven children, entered the Cistercian convent of Trebniz (in modern Poland) on her husband's death in 1238. She devoted the rest of her life to caring for the poor and seeking to emulate the suffering of Christ by walking barefoot in the snow. As described in her *vita*, she had a

particular affection for a small ivory statue of the Virgin and Child, which she carried with her at all times, and which "she often took up in her hands to envelop it in love, so that out of passion she could see it more often and through the seeing could prove herself more devout, inciting her to even greater love of the glorious Virgin. When she once blessed the sick with this image they were cured immediately" (translation from Schleif, p. 22). Hedwig was buried clutching the statue, and when her tomb was opened after her canonization in 1267, it was said that although most of her body had deteriorated, the fingers that still gripped the beloved object had miraculously not decayed.

A picture of Hedwig serves as the frontispiece (FIG. 17–20) of a manuscript of her *vita* (biography) known as the Hedwig Codex, commissioned in 1353 by one her descendants, Ludwig I of



## 17-20 • ST. HEDWIG OF SILESIA WITH DUKE LUDWIG I OF LIEGNITZ-BRIEG AND DUCHESS AGNES

Dedication page of the Hedwig Codex. 1353. Ink and paint on parchment.  $13^{7}$ / $_{6} \times 9^{3}$ / $_{1}$  (115  $\times$  94 cm). J. Paul Getty Museum, Los Angeles. MS. Ludwig XI 7, fol. 12v

Liegnitz-Brieg. Duke Ludwig and his wife, Agnes, are shown here kneeling on either side of St. Hedwig, dwarfed by the saint's architectural throne and her own imposing scale. With her prominent, spidery hands, she clutches the famous ivory statue, as well as a rosary and a prayer book, inserting her fingers within it to maintain her place as if our arrival had interrupted her devotions. She has draped her leather boots over her right wrist in a reference to her practice of removing them to walk in the snow. Hedwig's highly volumetric figure stands in a swaying pose of courtly elegance derived from French Gothic, but the fierce intensity of her gaze and posture are far removed from the mannered graciousness of the smiling angel of Reims (see statue at far left in FIG. 16–16), whose similar gesture and extended finger are employed simply to grasp his drapery and assure its elegant display.

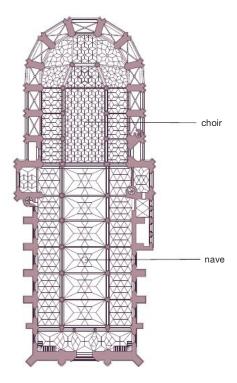
### THE SUPREMACY OF PRAGUE

Charles IV of Bohemia (r. 1346–1375) was raised in France, and his admiration for the French king Charles IV was such that he changed his own name from Wenceslas to Charles. He was officially crowned king of Bohemia in 1347 and Holy Roman Emperor in 1355. He established his capital in Prague, which, in the view of its contemporaries, replaced Constantinople as the "New Rome." Prague had a great university, a castle, and a cathedral overlooking a town that spread on both sides of a river joined by a stone bridge, a remarkable structure itself.

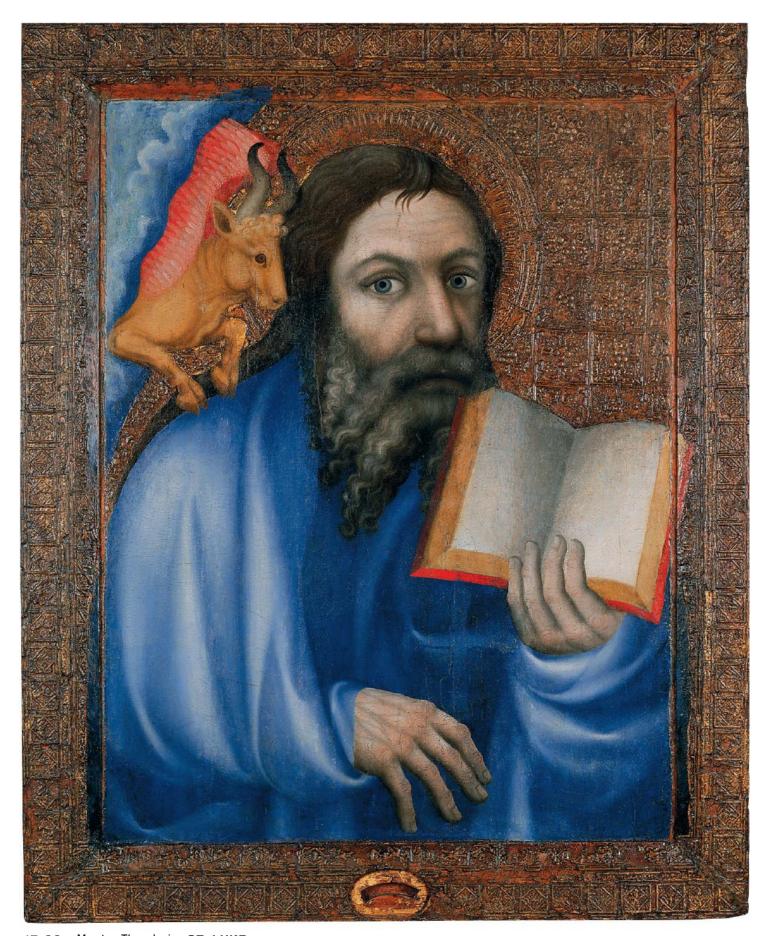
When Pope Clement VI made Prague an archbishopric in 1344, construction began on a new cathedral in the Gothic style—to be named for St. Vitus. It would also serve as the coronation church and royal pantheon. But the choir was not finished for

Charles's first coronation, so he brought Peter Parler from Swabia to complete it.

THE PARLER FAMILY. In 1317, Heinrich Parler, a former master of works on Cologne Cathedral, designed and began building the church of the Holy Cross in Schwäbisch Gmünd, in southwest Germany. In 1351, his son Peter (c. 1330–1399), the most brilliant architect of this talented family, joined the workshop. Peter designed the choir (FIG. 17–21) in the manner of a hall church whose triple-aisled form was enlarged by a ring of deep



17-21 • Heinrich and Peter Parler PLAN AND INTERIOR OF CHURCH OF THE HOLY CROSS Schwäbisch Gmünd, Germany. Begun in 1317 by Henrich Parler; choir by Peter Parler begun in 1351; vaulting completed 16th century.



17-22 • Master Theodoric ST. LUKE Holy Cross Chapel, Karlstejn Castle, near Prague. 1360–1364. Paint and gold on panel.  $45\frac{1}{4}\times 37$ " (115  $\times$  94 cm).

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chapels between the buttresses. The contrast between Heinrich's nave and Peter's choir (seen clearly in the plan of FIG. 17–21) illustrates the increasing complexity of rib patterns covering the vaults, which emphasizes the unity of interior space rather than its division into bays.

Called by Charles IV to Prague in 1353, Peter turned the unfinished St. Vitus Cathedral into a "glass house," adding a vast clerestory and glazed triforium supported by double flying buttresses, all covered by net vaults that created a continuous canopy over the space. Because of the success of projects such as this, Peter and his family became the most successful architects in the Holy Roman Empire. Their concept of space, luxurious decoration, and intricate vaulting dominated central European architecture for three generations.

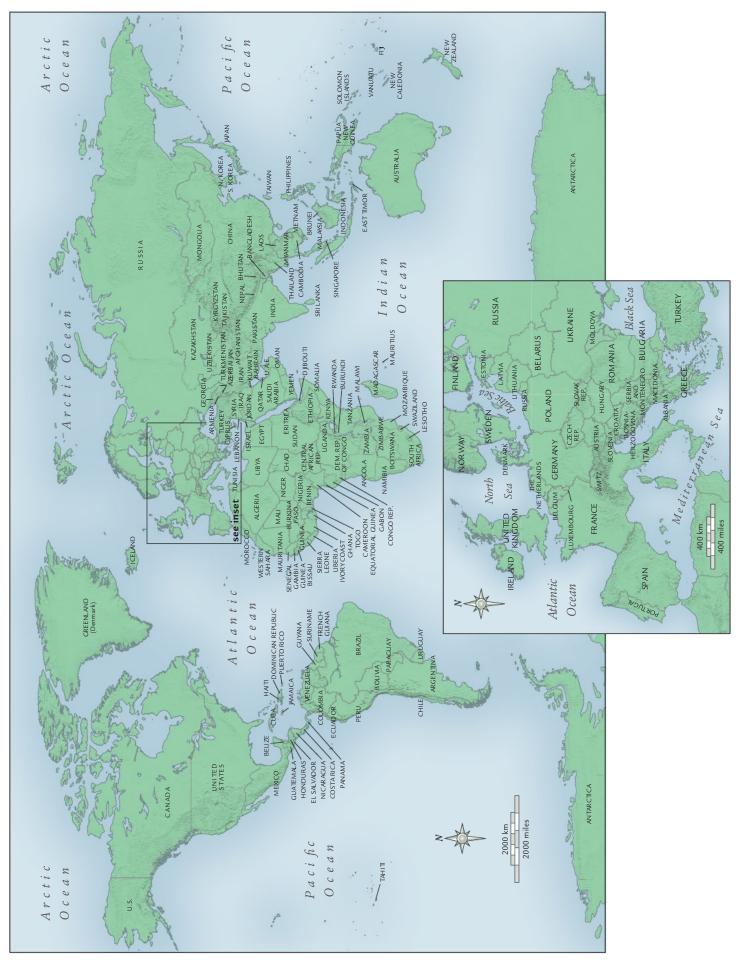
MASTER THEODORIC. At Karlstejn Castle, a day's ride from Prague, Charles IV built another chapel, covering the walls with gold and precious stones as well as with paintings. There were 130 paintings of the saints serving as reliquaries, with relics inserted into their frames. Master Theodoric, the court painter, provided drawings on the wood panels, and he painted about 30 images himself. Figures are crowded into-even extend over-their frames, emphasizing their size and power. Master Theodoric was head of the Brotherhood of St. Luke, and the way that his painting of ST. LUKE (FIG. 17-22), patron saint of painters, looks out at the viewer has suggested to scholars that this may be a self-portrait. His personal style combined a preference for substantial bodies, oversized heads and hands, dour and haunted faces, and soft, deeply modeled drapery, with a touch of grace derived from the French Gothic style. The chapel, consecrated in 1365, so pleased the emperor that in 1367 he gave the artist a farm in appreciation of

Prague and the Holy Roman Empire under Charles IV had become a multicultural empire where people of different religions (Christians and Jews) and ethnic heritages (German and Slav) lived side by side. Charles died in 1378, and without his strong central government, political and religious dissent overtook the empire. Jan Hus, dean of the philosophy faculty at Prague University and a powerful reforming preacher, denounced the immorality he saw in the Church. He was burned at the stake, becoming a martyr and Czech national hero. The Hussite Revolution in the fifteenth century ended Prague's—and Bohemia's—leadership in the arts.

## THINK ABOUT IT

- 17.1 Discuss the circumstances surrounding the construction and decoration of the Scrovegni (Arena) Chapel, with special attention to its relationship to the life and aspirations of its patron.
- 17.2 Compare and contrast Giotto's and Duccio's renderings of the biblical story of Christ's Raising of Lazarus (FIGS. 17–8, 17–12).
- 17.3 Discuss Ambrogio Lorenzetti's engagement with secular subject matter in his frescos for Siena's Palazzo Pubblico (Fig. 17–15). How did these paintings relate to their sociopolitical context?
- 17.4 Choose one small work of art in this chapter that is crafted from precious materials with exceptional technical skill. Explain how it was made and how it was used. How does the work of art relate to its cultural and social context?
- 17.5 Analyze how the Decorated Gothic style of Exeter Cathedral (FIG. 17–18) preserves certain traditions from the thirteenthcentury Gothic that you learned about in Chapter 16, and assess how it departs from the traditional Gothic style.

PRACTICE MORE: Compose answers to these questions, get flashcards for images and terms, and review chapter material with quizzes www.myartslab.com



# GLOSSARY

**abacus** (p. 108) The flat slab at the top of a **capital**, directly under the **entablature**.

**abbey church (p. 239)** An abbey is a religious community headed by an abbot or abbess. An abbey church often has an especially large choir to provide space for the monks or nuns.

**absolute dating (p. 12)** A method of assigning a precise historical date to periods and objects, based on known and recorded events in the region, as well as technically extracted physical evidence (such as carbon-14 disintegration). See also **radiometric dating**, **relative dating**.

**abstract, abstraction (p. 8)** Any art that does not represent observed aspects of nature or transforms visible forms into a stylized image. Also: the **formal** qualities of this process.

academy (p. 924) A place of study, the word coming from the Greek name of a garden near Athens where Plato and, later, Platonic philosophers held discussions. Academies of fine arts, such as the Academy of Drawing or the Royal Academy of Painting, were created to foster the arts by teaching, by discussion, by exhibitions, and occasionally by financial aid.

acanthus (p. 110) A Mediterranean plant whose leaves are reproduced in architectural ornament used on moldings, friezes, and Corinthian capitals.

acropolis (p. 129) The citadel of an ancient Greek city, located at its highest point and housing temples, a treasury, and sometimes a royal palace. The most famous is the Acropolis in Athens.

acroterion (acroteria) (p. 110) An ornament at the corner or peak of a roof.

adobe (p. 393) Sun-baked blocks made of clay mixed with straw. Also: the buildings made with this material.

aedicula (p. 609) A decorative architectural frame, usually found around a niche, door, or window. An aedicula is made up of a pediment and entablature supported by columns or pilasters.

agora (p. 138) An open space in a Greek town used as a central gathering place or market. See also **forum**. aisle (p. 228) Passage or open corridor of a church, hall, or other building that parallels the main space, usually on both sides, and is delineated by a row, or arcade, of columns or piers. Called side aisles when they flank the nave of a church.

**album** (p. 795) A book consisting of a series of painting or prints (album leaves) mounted into book form. **allegory** (p. 625) In a work of art, an image (or images) that symbolizes an idea, concept, or principle, often moral or religious.

**alloy** (p. 23) A mixture of metals; different metals melted together.

**amalaka** (p. 301) In Hindu architecture, the circular or square-shaped element on top of a spire (**shikhara**), often crowned with a **finial**, symbolizing the cosmos.

**ambulatory** (p. 228) The passage (walkway) around the **apse** in a **basilican** church or around the central space in a **central-plan building**.

amphora (p. 101) An ancient Greek jar for storing oil or wine, with an egg-shaped body and two curved handles. aniconic (p. 262) A symbolic representation without images of human figures, very often found in Islamic art. animal interlace or style (p. 427) Decoration made of interwoven animals or serpents, often found in Celtic and early medieval Northern European art.

**ankh** (p. 51) A looped cross signifying life, used by ancient Egyptians.

**appropriation** (p. 1102) Term used to describe the practice of some postmodern artists of adopting images in their entirety from other works of art or from visual culture for use in their own art. The act of recontextualizing the appropriated image allows the artist to critique both it and the time and place in which it was created.

**apse, apsidal (p. 192)** A large semicircular or polygonal (and usually **vaulted**) niche protruding from the end wall of a building. In the Christian church, it contains the altar. Apsidal is an adjective describing the condition of having such a space.

**arabesque** (p. 263) A type of linear surface decoration based on foliage and **calligraphic** forms, usually characterized by flowing lines and swirling shapes.

arcade (p. 172) A series of arches, carried by columns or piers and supporting a common wall or lintel. In a blind arcade, the arches and supports are engaged (attached to the wall) and have a decorative function.

arch (p. 271) In architecture, a curved structural element that spans an open space. Built from wedgeshaped stone blocks called voussoirs, which, when placed together and held at the top by a trapezoidal kevstone, form an effective space-spanning and weightbearing unit. Requires buttresses at each side to contain the outward thrust caused by the weight of the structure. Corbel arch (p. 16): an arch or vault formed by courses of stones, each of which projects beyond the lower course until the space is enclosed; usually finished with a capstone. Horseshoe arch (p. 268): an arch of more than a half-circle; typical of western Islamic architecture. Round arch (p. 271): arch that displaces most of its weight, or downward thrust along its curving sides, transmitting that weight to adjacent supporting uprights (door or window jambs, columns, or piers). Ogival arch: a pointed arch created by S-curves. Relieving arch: an arch built into a heavy wall just above a post-and-lintel structure (such as a gate, door, or window) to help support the wall above by transferring the load to the side walls. Transverse arch (p. 457): an arch that connects the wall piers on both sides of an interior space, up and over a stone vault.

**Archaic smile (p. 114)** The curved lips of an ancient Greek statue, usually interpreted as a way of animating facial features.

architrave (p. 108) The bottom element in an entablature, beneath the frieze and the cornice. archivolt (p. 473) A molded band framing an arch, or a series of stone blocks that rest directly on the columns.

**ashlar** (p. 99) Highly finished, precisely cut block of stone. When laid in even courses, ashlar masonry creates a uniform face with fine joints. Often used as a facing on the visible exterior of a building, especially as a veneer for the **façade**. Also called **dressed stone**.

**assemblage (p. 1026)** Artwork created by gathering and manipulating two- and/or three-dimensional found objects.

**astragal** (p. 110) A thin convex decorative **molding**, often found on Classical **entablatures**, and usually decorated with a continuous row of headlike circles.

**atelier (p. 944)** The studio or workshop of a master artist or craftsperson, often including junior associates and apprentices.

**atmospheric perspective** (p. 562) See **perspective**. **atrial cross** (p. 941) The cross placed in the **atrium** of a church. In Colonial America, used to mark a gathering and teaching place.

**atrium** (p. 160) An unroofed interior courtyard or room in a Roman house, sometimes having a pool or garden, sometimes surrounded by **columns**. Also: the open courtyard in front of a Christian church; or an entrance area in modern architecture.

**automatism** (p. 1056) A technique whereby the usual intellectual control of the artist over his or her brush or pencil is foregone. The artist's aim is to allow the subconscious to create the artwork without rational interference.

**avant-garde** (p. 971) Term derived from the French military word meaning "before the group," or "vanguard." Avant-garde denotes those artists or concepts of a strikingly new, experimental, or radical nature for their time.

**axis** (p. xxxii) An implied line around which the elements of a picture are organized.

**axis-mundi** (p. 297) A concept of an "axis of the world," which marks sacred sites and denotes a link between the human and celestial realms. For example, in Buddhist art, the *axis mundi* can be marked by monumental freestanding decorative **pillars**.

**bailey** (p. 473) The outermost walled courtyard of a

**baldachin** (p. 467) A canopy (whether suspended from the ceiling, projecting from a wall, or supported by **columns**) placed over an honorific or sacred space such as a throne or church altar.

bar tracery (p. 507) See tracery.

**barbarian** (p. 151) A term used by the ancient Greeks and Romans to label all foreigners outside their cultural orbit (e.g., Celts, Goths, Vikings). The word derives from an imitation of what the "barblings" of their language sounded like to those who could not understand it.

**bargeboards** (p. 870) Boards covering the rafters at the gable end of a building; bargeboards are often carved or painted.

barrel vault (p. 188) See vault.

**base** (p. 110) Any support. Also: masonry supporting a statue or the shaft of a **column**.

**basilica** (p. 192) A large rectangular building. Often built with a **clerestory**, side **aisles** separated from the center **nave** by **colonnades**, and an **apse** at one or both ends. Roman centers for administration, later adapted to Christian church use

**battered** (p. 418) An architectural design whereby walls are sloped inward toward the top to increase stability.

**bay** (p. 172) A unit of space defined by architectural elements such as **columns**, **piers**, and walls.

**beehive tomb** (p. 98) A **corbel-vaulted** tomb, conical in shape like a beehive, and covered by an earthen mound.

Benday dots (p. 1093) In modern printing and typesetting, the individual dots that, together with many others, make up lettering and images. Often machine- or computer-generated, the dots are very small and closely spaced to give the effect of density and richness of tone.

**bi** (p. 333) A jade disk with a hole in the center.

bilum (p. 863) Netted bags made mainly by women throughout the central highlands of New Guinea. The bags can be used for everyday purposes or even to carry the bones of the recently deceased as a sign of mourning.

biomorphic (p. 1057) A term used in the early twentieth century to denote the biologically or organically inspired shapes and forms that were routinely included in abstracted Modern art.

**black-figure (p. 105)** A style or technique of ancient Greek pottery in which black figures are painted on a red clay ground. See also **red-figure**.

**blackware (p. 853)** A **ceramic** technique that produces pottery with a primarily black surface with **matte** and glossy patterns on the surface.

blind arcade (p. 780) See arcade.

**bodhisattva** (p. 297) In Buddhism, a being who has attained enlightenment but chooses to remain in this world in order to help others advance spiritually. Also defined as a potential Buddha.

**Book of Hours** (p. 547) A private prayer book, containing a calendar, services for the canonical hours, and sometimes special prayers.

boss (p. 554) A decorative knoblike element that can be found in many places, such as at the intersection of a Gothic **rib vault** or in the buttonlike projections of metalwork.

**bracket, bracketing (p. 335)** An architectural element that projects from a wall to support a horizontal part of a building, such as beams or the eaves of a roof.

### buon fresco (p. 87) See fresco.

burin (p. 590) A metal instrument used in engraving to cut lines into the metal plate. The sharp end of the burin is trimmed to give a diamond-shaped cutting point, while the other end is finished with a wooden handle that fits into the engraver's palm.

buttress, buttressing p. 172) A projecting support built against an external wall, usually to counteract the lateral thrust of a vault or arch within. In Gothic architecture, a flying buttress is an arched bridge above the aisle roof that extends from the upper nave wall, where the lateral thrust of the main vault is greatest, down to a solid pier.

**cairn** (p.17) A pile of stones or earth and stones that served both as a prehistoric burial site and as a marker of underground tombs.

calligraphy (p. 279) Handwriting as an art form. calotype (p. 968) The first photographic process utilizing negatives and paper positives. It was invented by William Henry Fox Talbot in the late 1830s.

calyx krater (p. 118) See krater.

**came (cames)** (p. 497) A lead strip used in the making of leaded or **stained-glass windows**. Cames have an indented groove on the sides into which the separate pieces of glass are fitted to hold the composition together.

**cameo (p. 178)** Gemstone, clay, glass, or shell having layers of color, carved in **low relief** to create an image and ground of different colors.

camera obscura (p. 967) An early cameralike device used in the Renaissance and later for recording images of nature. Made from a dark box (or room) with a hole in one side (sometimes fitted with a lens), the camera obscura operates when bright light shines through the hole, casting an upside-down image of an object outside onto the inside wall of the box.

**canon of proportions (p. 65)** A set of ideal mathematical ratios in art based on measurements, as in the proportional relationships among the basic elements of the human body.

**canopic jar (p. 56)** Special jars used to store the major organs of a body before embalming, found in ancient Egyptian culture.

**capital** (p. 110) The sculpted block that tops a **column**. According to the **conventions** of the **orders**, capitals include different decorative elements. See **order**. A **historiated capital** is one displaying a figural composition of a **narrative** scene.

**capriccio** (p. 912) A painting or print of a fantastic, imaginary landscape, usually with architecture.

**capstone** (p. 99) The final, topmost stone in a **corbel arch** or **vault**, which joins the sides and completes the structure.

**cartoon** (p. 497) A full-scale drawing used to transfer or guide a design onto a surface (such as a wall, canvas, panel, or **tapestry**) to be painted, carved, or woven.

**cartouche** (p. 189) A frame for a **hieroglyphic** inscription formed by a rope design surrounding an oval space. Used to signify a sacred or honored name. Also: in architecture, a decorative device or plaque, usually with a plain center used for inscriptions or epitaphs.

**caryatid** (p. 107) A sculpture of a draped female figure acting as a **column** supporting an **entablature**.

**cassone (cassoni)** (p. 616) An Italian dowry chest often highly decorated with carvings, paintings, **inlaid** designs, and gilt embellishments.

**catacomb** (p. 219) A subterranean burial ground consisting of tunnels on different levels, having niches for urns and **sarcophagi** and often incorporating rooms (**cubiculae**).

**cathedral** (p. 222) The principal Christian church in a diocese, the bishop's administrative center and housing his throne (*cathedra*).

celadon (p. 352) A high-fired, transparent glaze of pale bluish-green hue whose principal coloring agent is an oxide of iron. In China and Korea, such glazes typically were applied over a pale gray stoneware body, though Chinese potters sometimes applied them over porcelain bodies during the Ming (1368–1644) and Qing (1644–1911) dynasties. Chinese potters invented celadon glazes and initiated the continuous production of celadon-glazed wares as early as the third century CE.

**cella** (p. 108) The principal interior room at the center of a Greek or Roman temple within which the cult statue was usually housed. Also called the **naos**.

**celt** (p. 377) A smooth, oblong stone or metal object, shaped like an axe-head.

**cenotaph** (p. 771) A funerary monument commemorating an individual or group buried elsewhere.

**centering (p. 172)** A temporary structure that supports a masonry **arch** and **vault** or **dome** during construction until the mortar is fully dried and the masonry is self-sustaining.

**central-plan building** (p. 228) Any structure designed with a primary central space surrounded by symmetrical areas on each side. For example, a **rotunda** or a Greek-cross plan (equal-armed cross).

**ceramics (p. 22)** A general term covering all types of wares made from fired clay, including **porcelain** and **terra cotta**.

**chacmool (p. 390)** In Mayan sculpture, a half-reclining figure probably representing an offering bearer. **chaitya (p. 302)** A type of Buddhist temple found in India. Built in the form of a hall or **basilica**, a *chaitya* hall is highly decorated with sculpture and usually is carved from a cave or natural rock location. It houses a sacred shrine or **stupa** for worship.

**chamfer** (p. 780) The slanted surface produced when an angle is trimmed or beveled, common in building and metalwork.

**chasing (p. 776)** Ornamentation made on metal by **incising** or hammering the surface.

**château (châteaux) (p. 691)** A French country house or residential castle. A *château fort*, is a military castle incorporating defensive works such as towers and battlements.

**chattri (chattris)** (p. 779) A decorative pavilion with an umbrella-shaped **dome** in Indian architecture.

**chevron** (p. 350) A decorative or heraldic motif of repeated Vs; a zigzag pattern.

**chiaroscuro** (p. 634) An Italian word designating the contrast of dark and light in a painting, drawing, or print. *Chiaroscuro* creates spatial depth and volumetric forms through gradations in the intensity of light and shadow.

**cista** (**cistae**) (p. 166) **Cylindrical** containers used by wealthy women as a case for toiletry articles such as a mirror.

**clerestory** (p. 58) The topmost zone of a wall with windows in a **basilica** extending above the aisle roofs. Provides direct light into the central interior space (the **nave**).

cloister (p. 442) An open space within a monastery, surrounded by an **arcaded** or colonnaded walkway, often having a fountain and garden. The most important monastic buildings (e.g., dormitory, refectory) open off of it. Since members of a cloistered order do not leave the monastery or interact with outsiders, the cloister represents the center of their enclosed world.

**codex (codices) (p. 243)** A book, or a group of **manuscript** pages (folios), held together by stitching or other binding on one side.

**coffer** (p. 197) A recessed decorative panel that is used to reduce the weight of and to decorate ceilings or **vaults**. The use of coffers is called coffering.

**coiling** (p. 845) A technique in basketry. In coiled baskets a spiraling structure is held in place by another material.

**collage** (p. 1026) A composition made of cut and pasted scraps of materials, sometimes with lines or forms added by the artist.

**colonnade** (p. 69) A row of **columns**, supporting a straight **lintel** (as in a **porch** or **portico**) or a series of **arches** (an **arcade**).

**colophon (p. 432)** The data placed at the end of a book listing the book's author, publisher, **illuminator**, and other information related to its production. In East Asian **handscrolls**, the inscriptions which follow the painting are also called colophons.

**column** (p. 110) An architectural element used for support and/or decoration. Consists of a rounded or polygonal vertical **shaft** placed on a **base** and topped by a decorative **capital**. In Classical architecture, built in accordance with the rules of one of the architectural **orders**. Columns can be free-standing or attached to a background wall (**engaged**).

**combine (p. 1085)** Combinations of painting and sculpture using nontraditional art materials.

complementary color (p. 993) The primary and secondary colors across from each other on the color wheel (red and green, blue and orange, yellow and purple). When juxtaposed, the intensity of both colors increases. When mixed together, they negate each other to make a neutral gray-brown.

composite order (p. 163) See order.

**composite pose** or **image (p. 9)** Combining different viewpoints within a single representation of a subject.

**composition** (p. xxix) The overall arrangement, organizing design, or structure of a work of art.

conch (p. 234) A half-dome.

**cong** (p. 328) A square or octagonal jide tube with a cylindrical hole in the center. A symbol of the earth, it was used for ritual worship and astronomical observations in ancient China.

connoisseurship (p. 741) A term derived from the French word connoisseur, meaning "an expert," and signifying the study and evaluation of art based primarily on formal, visual, and stylistic analysis. A connoisseur studies the style and technique of an object to assess its relative quality and identify its maker through visual comparison with other works of secure authorship. See also contextualism; formalism.

**contrapposto** (p. 121) An Italian term meaning "set against," used to describe the pose that results from setting parts of the body in opposition to each other around a central **axis**.

**convention** (p. 51) A traditional way of representing forms.

**corbel, corbeling (p. 16)** An early roofing and arching technique in which each **course** of stone projects slightly beyond the previous layer (a corbel) until the

uppermost corbels meet. Results in a high, almost pointed **arch** or **vault**.

corbeled vault (p. 99) See vault.

Corinthian order (p. 108) See order.

**cornice** (p. 110) The uppermost section of a Classical **entablature**. More generally, a horizontally projecting element found at the top of a building wall or **pedestal**. A raking cornice is formed by the junction of two slanted cornices, most often found in **pediments**.

**course** (p. 99) A horizontal layer of stone used in building.

**crenellation** (p. 44) Alternating higher and lower sections along the top of a defensive wall, giving a stepped appearance and forming a permanent shield for defenders on top of a fortified building.

**crocket** (p. 585) A stylized leaf used as decoration along the outer angle of spires, pinnacles, gables, and around **capitals** in Gothic architecture.

**cruciform** (p. 232) A term describing anything that is cross-shaped, as in the cruciform plan of a church.

**cubiculum (cubicula) (p. 224)** A small private room for burials in the **catacombs**.

**cuneiform** (p. 28) An early form of writing with wedge-shaped marks impressed into wet clay with a **stylus**, primarily used by ancient Mesopotamians.

**curtain wall (p. 1045)** A wall in a building that does not support any of the weight of the structure.

**cyclopean construction** (p. 93) A method of building using huge blocks of rough-hewn stone. Any large-scale, monumental building project that impresses by sheer size. Named after the Cyclopes (sing. Cyclops) one-eyed giants of legendary strength in Greek myths.

cylinder seal (p. 32) A small cylindrical stone decorated with incised patterns. When rolled across soft clay or wax, the resulting raised pattern or design (relief) served in Mesopotamian and Indus Valley cultures as an identifying signature.

dado (dadoes) (p. 163) The lower part of a wall, differentiated in some way (by a molding or different coloring or paneling) from the upper section.

daguerreotype (p. 967) An early photographic process that makes a positive print on a light-sensitized copperplate; invented and marketed in 1839 by Louis-Jacques-Mandé Daguerre.

**demotic writing (p. 77)** The simplified form of ancient Egyptian **hieratic writing**, used primarily for administrative and private texts.

**dendrochronology** (p. xxxvi) The dating of wood based on the patterns of the growth rings.

**desert varnish** (p. 400) In southwestern North America, a substance that turned cliff faces into dark surfaces. Neolithic artists would draw images by scraping through the dark surface.

**diptych (p. 215)** Two panels of equal size (usually decorated with paintings or **reliefs**) hinged together.

dogu (p. 356) Small human figurines made in Japan during the Jomon period. Shaped from clay, the figures have exaggerated expressions and are in contorted poses. They were probably used in religious rituals.

**dolmen** (p. 17) A prehistoric structure made up of two or more large upright stones supporting a large, flat, horizontal slab or slabs.

dome (p. 188) A rounded vault, usually over a circular space. Consists of curved masonry and can vary in shape from hemispherical to bulbous to ovoidal. May use a supporting vertical wall (drum), from which the vault springs, and may be crowned by an open space (oculus) and/or an exterior lantern. When a dome is built over a square space, an intermediate element is required to make the transition to a circular drum. There are two systems: A dome on pendentives (spherical triangles) incorporates arched, sloping intermediate sections of wall that carry the weight and thrust of the dome to

heavily **buttressed** supporting **piers**. A dome on **squinches** uses an arch built into the wall (squinch) in the upper corners of the space to carry the weight of the dome across the corners of the square space below. A half-dome or **conch** may cover a semicircular space.

domino construction (p. 1045) System of building construction introduced by the architect Le Corbusier in which reinforced concrete floor slabs are floated on six free-standing posts placed as if at the positions of the six dots on a domino playing piece.

Doric order (p. 108) See order.

dressed stone (p. 85) See ashlar.

**drillwork** (p. 190) The technique of using a drill for the creation of certain effects in sculpture.

**drum (p. 110)** The wall that supports a **dome**. Also: a segment of the circular **shaft** of a **column**.

drypoint (p. 748) An intaglio printmaking process by which a metal (usually copper) plate is directly inscribed with a pointed instrument (stylus). The resulting design of scratched lines is inked, wiped, and printed. Also: the print made by this process.

earthenware (p. 22) A low-fired, opaque ceramic ware that is fired in the range of 800 to 900 degrees Celsius. Earthenware employs humble clays that are naturally heat resistant; the finished wares remain porous after firing unless glazed. Earthenware occurs in a range of earth-toned colors, from white and tan to gray and black, with tan predominating.

earthwork (p. 1102) Usually very large scale, outdoor artwork that is produced by altering the natural environment.

**echinus** (p. 110) A cushionlike circular element found below the **abacus** of a **Doric capital**. Also: a similarly shaped molding (usually with egg-and-dart motifs) underneath the **volutes** of an **Ionic** capital.

**electronic spin resonance (p. 12)** Method that uses magnetic field and microwave irradiation to date material such as tooth enamel and its surrounding soil.

**elevation** (p. 108) The arrangement, proportions, and details of any vertical side or face of a building. Also: an architectural drawing showing an exterior or interior wall of a building.

**emblema (emblemata)** (p. 202) In a **mosaic**, the elaborate central motif on a floor, usually a self-contained unit done in a more refined manner, with smaller **tesserae** of both marble and semiprecious stones.

**embroidery** (p. 484) Stitches applied on top of an already-woven fabric ground.

**encaustic (p. 79)** A painting medium using pigments mixed with hot wax.

**engaged column (p. 173)** A column attached to a wall. See also **column**.

**engraving** (p. 590) An **intaglio** printmaking process of inscribing an image, design, or letters onto a metal or wood surface from which a print is made. An engraving is usually drawn with a sharp implement (**burin**) directly onto the surface of the plate. Also: the print made from this process.

**entablature** (p. 108) In the Classical **orders**, the horizontal elements above the **columns** and **capitals**. The entablature consists of, from bottom to top, an **architrave**, a **frieze**, and a **cornice**.

**entasis** (p. 108) A slight swelling of the **shaft** of a Greek **column**. The optical illusion of entasis makes the column appear from afar to be straight.

etching (p. 748) An intaglio printmaking process in which a metal plate is coated with acid-resistant resin and then inscribed with a stylus in a design, revealing the plate below. The plate is then immersed in acid, and the design of exposed metal is eaten away by the acid. The resin is removed, leaving the design etched permanently into the metal and the plate ready to be inked, wiped, and printed.

**Eucharist (p. 222)** The central rite of the Christian Church, from the Greek word "thanksgiving." Also known as the Mass or Holy Communion, it is based on the Last Supper. According to traditional Catholic Christian belief, consecrated bread and wine become the body and blood of Christ; in Protestant belief, bread and wine symbolize the body and blood.

**exedra (exedrae)** (p. 199) In architecture, a semicircular niche. On a small scale, often used as decoration, whereas larger exedrae can form interior spaces (such as an **apse**).

**expressionism** (p. 151) Terms describing a work of art in which forms are created primarily to evoke subjective emotions rather than a rational response.

**façade** (p. 52) The face or front wall of a building. **faience** (p. 87) Type of **ceramic** covered with colorful, opaque glazes that form a smooth, impermeable surface. First developed in ancient Egypt.

**fang ding (p. 328)** A square or rectangular bronze vessel with four legs. The *fing ding* was used for ritual offerings in ancient China during the Shang dynasty.

**femmage** (p. 1101) From "female" and "**collage**," the incorporation of fabric into painting.

**fête galante (p. 908)** A subject in painting depicting well-dressed people at leisure in a park or country setting. It is most often associated with eighteenth-century French Rococo painting.

filigree (p. 87) Delicate, lacelike ornamental work.

**fillet (p. 110)** The flat ridge between the carved out **flutes** of a **column shaft**. See also fluting.

**finial** (p. 308) A knoblike architectural decoration usually found at the top point of a spire, pinnacle, canopy, or gable. Also found on furniture; also the ornamental top of a staff.

flutes, fluted (p. 110) In architecture, evenly spaced, rounded parallel vertical grooves incised on **shafts** of **columns** or columnar elements (such as **pilasters**).

flying buttress (p. 496) See buttress.

**flying gallop (p. 87)** Animals posed off the ground with legs fully extended backwards and forwards to signify that they are running.

**foreshortening** (p. 119) The illusion created on a flat surface in which figures and objects appear to recede or project sharply into space. Accomplished according to the rules of perspective.

**formal analysis (p. xxix)** An exploration of the visual character that artists bring to their works through the expressive use of elements such as line, form, color, and light, and through its overall structure or composition.

Formalism, formalist (p. 1073) An approach to the understanding, appreciation, and valuation of art based almost solely on considerations of form. This approach tends to regard an artwork as independent of its time and place of making. In the 1940s, Formalism was most ardently proposed by critic Clement Greenberg. See also connoisseurship.

**forum (p. 178)** A Roman town center; site of temples and administrative buildings and used as a market or gathering area for the citizens.

**four-iwan mosque** (p. 271) See **iwan** and **mosque**. **fresco** (p. 87) A painting technique in which waterbased pigments are applied to a surface of wet plaster (called **buon fresco**). The color is absorbed by the plaster, becoming a permanent part of the wall. **Fresco secco** is created by painting on dried plaster, and the color may flake off. Murals made by both these techniques are called frescoes.

fresco secco (p. 87) See fresco.

**frieze** (p. 108) The middle element of an **entablature**, between the **architrave** and the cornice. Usually decorated with sculpture, painting, or moldings. Also: any continuous flat band with **relief sculpture** or painted decorations.

**frottage** (p. 1056) A design produced by laying a piece of paper over a textured surface and rubbing with charcoal or other soft medium.

**fusuma** (p. 818) Sliding doors covered with paper, used in traditional Japanese construction. *Fusuma* are often highly decorated with paintings and colored backgrounds.

**gallery** (p. 236) In church architecture, the story found above the side **aisles** of a church, usually open to and overlooking the **nave**. Also: in secular architecture, a long room, usually above the ground floor in a private house or a public building used for entertaining, exhibiting pictures, or promenading. Also: a building or hall in which art is displayed or sold. Also: *galleria*.

**garbhagriha** (p. 301) From the Sanskrit word meaning "womb chamber," a small room or shrine in a Hindu temple containing a holy image.

**genre painting (p. 712)** A term used to loosely categorize paintings depicting scenes of everyday life, including (among others) domestic interiors, parties, inn scenes, and street scenes.

**geoglyphs** (p. 392) Earthen designs on a colossal scale, often created in a landscape as if to be seen from an aerial viewpoint.

**gesso** (p. 544) A ground made from glue, gypsum, and/or chalk forming the ground of a wood panel or the priming layer of a canvas. Provides a smooth surface for painting.

gilding (p. 87) The application of paper-thin gold leaf or gold pigment to an object made from another medium (for example, a sculpture or painting). Usually used as a decorative finishing detail.

**giornata (giornate) (p. 537)** Adopted from the Italian term meaning "a day's work," a giornata is the section of a **fresco** plastered and painted in a single day.

**gold leaf (p. 47)** Paper-thin sheets of hammered gold that are used in **gilding**. In some cases (such as Byzantine **icons**), also used as a ground for paintings.

gold foil (p. 87) A thin sheet of gold.

**gopura** (p. 775) The towering gateway to an Indian Hindu temple complex. A temple complex can have several different *gopuras*.

**Grand Manner** (p. 922) An elevated style of painting popular in the eighteenth century in which the artist looked to the ancients and to the Renaissance for inspiration; for portraits as well as history painting, the artist would adopt the poses, compositions, and attitudes of Renaissance and antique models.

**Grand Tour** (p. 911) Popular during the eighteenth and nineteenth centuries, an extended tour of cultural sites in France and Italy intended to finish the education of a young upper-class person primarily from Britain or North America.

**granulation (p. 87)** A technique of decoration in which metal granules, or tiny metal balls, are fused onto a metal surface.

**graphic arts (p. xxiv)** A term referring to those arts that are drawn or printed and that utilize paper as primary support.

**grattage** (p. 1056) A pattern created by scraping off layers of paint from a canvas laid over a textured surface. See also **frottage**.

grid (p. 64) A system of regularly spaced horizontally and vertically crossed lines that gives regularity to an architectural plan or in the composition of a work of art. Also: in painting, a grid is used to allow designs to be enlarged or transferred easily.

grisaille (p. 538) A style of monochromatic painting in shades of gray. Also: a painting made in this style.

groin vault (p. 188) See vault.

**grozing** (p. 497) In **stained-glass** windows, chipping away at the edges of a piece of glass to achieve the precise shape needed for inclusion in the composition.

hall church (p. 518) A church with a nave and aisles of the same height, giving the impression of a large, open hall.

handscroll (p. 337) A long, narrow, horizontal painting or text (or combination thereof) common in Chinese and Japanese art and of a size intended for individual use. A handscroll is stored wrapped tightly around a wooden pin and is unrolled for viewing or reading.

hanging scroll (p. 795) In Chinese and Japanese art, a vertical painting or text mounted within sections of silk. At the top is a semicircular rod; at the bottom is a round dowel. Hanging scrolls are kept rolled and tied except for special occasions, when they are hung for display, contemplation, or commemoration.

haniwa (p. 356) Pottery forms, including cylinders, buildings, and human figures, that were placed on top of Japanese tombs or burial mounds.

Happening (p. 1085) An art form developed by Allan Kaprow in the 1960s incorporating performance, theater, and visual images. A Happening was organized without a specific narrative or intent; with audience participation, the event proceeded according to chance and individual improvisation.

**hemicycle** (p. 508) A semicircular interior space or structure.

henge (p. 18) A circular area enclosed by stones or wood posts set up by Neolithic peoples. It is usually bounded by a ditch and raised embankment.

**hieratic scale** (p. 27) The use of different sizes for powerful or holy figures and for ordinary people to indicate relative importance. The larger the figure, the greater the importance.

**hieroglyph** (p. 52) Picture writing; words and ideas rendered in the form of pictorial symbols.

high relief (p. 304) See relief sculpture. historiated capital (p. 479) See capital.

**historicism** (p. 963) The strong consciousness of and attention to the institutions, themes, styles, and forms of the past, made accessible by historical research, textual study, and archaeology.

history paintings (p. 924) Paintings based on historical, mythological, or biblical narratives. Once considered the noblest form of art, history paintings generally convey a high moral or intellectual idea and are often painted in a grand pictorial style.

horizon line A horizontal "line" formed by the implied meeting point of earth and sky. In linear perspective, the vanishing point or points are located on this "line."

horseshoe arch (p. 268) See arch.

**hue (p. xxii)** Pure color. The saturation or intensity of the hue depends on the purity of the color. Its value depends on its lightness or darkness.

**hydria** (p. 139) A large ancient Greek and Roman jar with three handles (horizontal ones at both sides and one vertical at the back), used for storing water.

**hypostyle hall (p. 66)** A large interior room characterized by many closely spaced columns that support its roof.

**icon** (p. 237) An image representing a sacred figure or event in the Byzantine, and later in the Orthodox, Church. Icons were venerated by the faithful, who believed them to have miraculous powers to transmit messages to God.

**iconic image (p. 224)** A picture that expresses or embodies an intangible concept or idea.

iconoclasm (p. 245) The banning or destruction of images, especially icons and religious art. Iconoclasm in eighth- and ninth-century Byzantium and sixteenth- and seventeenth-century Protestant territories arose from differing beliefs about the power, meaning, function, and purpose of imagery in religion.

**iconography** (p. xxxiii) Identifying and studying the subject matter and conventional motifs or symbols in works of art.

**iconology (p. xxxv)** Interpreting works of art as embodiments of cultural situation by placing them within broad social, political, religious, and intellectual contexts.

**iconophile** (p. 246) From the Greek for "lovers of images." In Byzantine art, iconophiles advocated for the continued use of **iconic images** in art.

iconostasis (p. 245) The partition screen in a Byzantine or Orthodox church between the sanctuary (where the Mass is performed) and the body of the church (where the congregation assembles). The iconostasis displays icons.

**idealization** (p. xxiv) A process in art through which artists strive to make their forms and figures attain perfection, based on pervading cultural values and/or their own personal ideals.

**ideograph** (p. 331) A written character or symbol representing an idea or object. Many Chinese characters are ideographs.

ignudi (p. 645) Heroic figures of nude young men. illumination (p. 425) A painting on paper or parchment used as an illustration and/or decoration in manuscripts or albums. Usually richly colored, often supplemented by gold and other precious materials. The artists are referred to as illuminators. Also: the technique of decorating manuscripts with such paintings.

**impasto** (p. 748) Thick applications of pigment that give a painting a palpable surface texture.

**impost block** (p. 600) A block, serving to concentrate the weight above, imposed between the **capital** of a **column** and the springing of an **arch** above.

**incising (p. 32)** A technique in which a design or inscription is cut into a hard surface with a sharp instrument. Such a surface is said to be incised.

**ink painting (p. 810)** A monochromatic style of painting developed in China using black ink with gray washes.

**inlay** (p. 30) To set pieces of a material or materials into a surface to form a design. Also: material used in or decoration formed by this technique.

**installation** (p. 1087) Contemporary art created for a specific site, especially a gallery or outdoor area, that creates a complete and controlled environment.

intaglio (p. 590) Term used for a technique in which the design is carved out of the surface of an object, such as an engraved seal stone. In the graphic arts, intaglio includes engraving, etching, and drypoint—all processes in which ink transfers to paper from incised, ink-filled lines cut into a metal plate.

intarsia (p. 617) Decoration formed through wood inlay.

intuitive perspective (p. 184) See perspective. Ionic order (p. 108) See order.

iwan (p. 71) A large, vaulted chamber in a mosque with a monumental arched opening on one side.

jamb (p. 473) In architecture, the vertical element found on both sides of an opening in a wall, and supporting an arch or lintel.

**japonisme** (p.994) A style in French and American nineteenth-century art that was highly influenced by Japanese art, especially prints.

jasperware (p. 917) A fine-grained, unglazed, white **ceramic** developed by Josiah Wedgwood, often colored by metallic oxides with the raised designs remaining white.

**jataka tales** (p. 300) In Buddhism, stories associated with the previous lives of Shakyamuni, the historical Buddha.

joggled voussoirs (p. 272) Interlocking voussoirs in an arch or lintel, often of contrasting materials for colorful effect.

**joined-block sculpture (p. 367)** A method of constructing large-scale wooden sculpture developed in

Japan. The entire work is constructed from smaller hollow blocks, each individually carved, and assembled when complete. The joined-block technique allowed the production of larger sculpture, as the multiple joints alleviate the problems of drying and cracking found with sculpture carved from a single block.

**kantharos** (p. 117) A type of Greek vase or goblet with two large handles and a wide mouth.

**keep (p. 473)** The innermost and strongest structure or central tower of a medieval castle, sometimes used as living quarters, as well as for defense. Also called a don pn.

**kente** (p. 892) A woven cloth made by the Ashanti peoples of Africa. Kente cloth is woven in long, narrow pieces in complex and colorful patterns, which are then sewn together.

**key block** (p. 826) A key block is the master block in the production of a colored **woodblock print**, which requires different blocks for each color. The key block is a flat piece of wood upon which the outlines for the entire design of the print were first drawn on its surface and the nall but these outlines were carved away with a knife. These outlines serve as a guide for the accurate **registration** or alignment of the other blocks needed to add colors to specific parts of a print.

**keystone** (p. 172) The topmost **voussoir** at the center of an **arch**, and the last block to be placed. The pressure of this block holds the arch together. Often of a larger size and/or decorated.

**kiln (p. 22)** An oven designed to produce enough heat for the baking, or firing, of clay.

**kiva** (p. 398) A ceremonial enclosure, usually wholly or partly underground, used for ritual purposes by modern Pueblo peoples and Ancestral Puebloans. *Kivas* may be round or square, made of **adobe** or stone, and they usually feature a hearth and a small indentation in the floor behind it.

**kondo** (p. 360) The main hall inside a Japanese Buddhist temple where the images of Buddha are housed.

**korambo** (p. 863) A ceremonial or spirit house in Pacific cultures, reserved for the men of a village and used as a meeting place as well as to hide religious artifacts from the uninitiated.

**kore (kourai) (p. 114)** An Archaic Greek statue of a young woman.

**koru** (p. 870) A design depicting a curling stalk with a bulb at the end that resembles a young tree fern, and often found in Maori art.

**kouros (kouroi) (p. 114)** An Archaic Greek statue of a young man or boy.

**kowhaiwhai (p. 870)** Painted curvilinear patterns often found in Maori art.

**krater** (p. 99) An ancient Greek vessel for mixing wine and water, with many subtypes that each have a distinctive shape. **Calyx krater**: a bell-shaped vessel with handles near the base that resemble a flower calyx. **Volute krater**: a type of krater with handles shaped like scrolls.

Kufic (p. 272) An ornamental, angular Arabic script.kylix (p. 124) A shallow Greek cup, used for drinking, with a wide mouth and small handles near the rim.

lacquer (p. 22) A type of hard, glossy surface varnish used on objects in East Asian cultures, made from the sap of the Asian sumac or from shellac, a resinous secretion from the lac insect. Lacquer can be layered and manipulated or combined with pigments and other materials for various decorative effects.

**lakshana** (p. 303) Term used to designate the thirty-two marks of the historical Buddha. The *lakshana* include, among others, the Buddha's golden body, his long arms, the wheel impressed on his palms and the soles of his feet, and his elongated earlobes.

lamassu (p. 42) Supernatural guardian-protector of ancient Near Eastern palaces and throne rooms, often represented sculpturally as a combination of the bearded

head of a man, powerful body of a lion or bull, wings of an eagle, and the horned headdress of a god, usually possessing five legs.

lancet (p. 502) A tall, narrow window crowned by a sharply pointed **arch**, typically found in Gothic architecture.

**lantern** (p. 458) A turretlike structure situated on a roof, **vault**, or **dome**, with windows that allow light into the space below.

**leythos (lekythoi) (p. 141)** A slim Greek oil vase with one handle and a narrow mouth.

linear perspective (p. 593) See perspective.

linga shrine (p. 310) A place of worship centered on an object or representation in the form of a phallus (the lingam), which symbolizes the power of the Hindu god Shiva.

**lintel** (p. 473) A horizontal element of any material carried by two or more vertical supports to form an opening.

**literati** (p. 337) The English word used for the Chinese *wenren* or the Japanese *bun jn*, referring to well educated artists who enjoyed literature, **calligraphy**, and painting as a pastime. Their paintings are termed **literati painting**.

**literati painting (p. 791)** A style of painting that reflects the taste of the educated class of East Asian intellectuals and scholars. Aspects include an appreciation for the antique, small scale, and an intimate connection between maker and audience.

**lithography** (p. 951) Process of making a print (lithograph) from a design drawn on a flat stone block with greasy crayon. Ink is applied to the wet stone and adheres only to the greasy areas of the design.

loggia (p. 532) Italian term for a covered open-air gallery. Often used as a corridor between buildings or around a courtyard, loggias usually have arcades or colonnades.

logosyllabic (p. 385) A writing system consisting of both logograms (symbols that represent words) and phonetic signs (symbols that represent sounds, in this case syllables). Cuneiform, Maya, and Japanese are examples of logosyllabic scripts.

**longitudinal-plan building (p. 228)** Any structure designed with a rectangular shape. If a cross-shaped building, the main arm of the building would be longer then any arms that cross it. For example, **basilicas** or Latin-cross plan churches.

**lost-wax casting** (p. 413) A method of casting metal, such as bronze, by a process in which a wax mold is covered with clay and plaster, then fired, melting the wax and leaving a hollow form. Molten metal is then poured into the hollow space and slowly cooled. When the hardened clay and plaster exterior shell is removed, a solid metal form remains to be smoothed and polished.

low relief (p. 39) See relief sculpture.

**lunette** (p. 223) A semicircular wall area, framed by an **arch** over a door or window. Can be either plain or decorated.

**lusterware (p. 277) Ceramic** pottery decorated with metallic glazes.

madrasa (p. 271) An Islamic institution of higher learning, where teaching is focused on theology and law. maenad (p. 104) In ancient Greece, a female devotee of the wine god Dionysos who participated in orgiastic rituals. She is often depicted with swirling drapery to indicate wild movement or dance. (Also called a Bacchante, after Bacchus, the Roman name of Dionysos.)

**majolica** (p. 571) Pottery painted with a tin glaze that, when fired, gives a lustrous and colorful surface.

mandala (p. 299) An image of the cosmos represented by an arrangement of circles or concentric geometric shapes containing diagrams or images. Used for meditation and contemplation by Buddhists.

mandapa (p. 301) In a Hindu temple, an open hall dedicated to ritual worship.

**mandorla** (p. 474) Light encircling, or emanating from, the entire figure of a sacred person.

manuscript (p. 242) A handwritten book or document.

maqsura (p. 268) An enclosure in a Muslim mosque, near the mihrab, designated for dignitaries. martyrium (martyria) (p. 237) In Christian architecture, a church, chapel, or shrine built over the grave of a martyr or the site of a great miracle.

mastaba (p. 53) A flat-topped, one-story structure with slanted walls over an ancient Egyptian underground tomb.

matte (p. 571) Term describing a smooth surface that is without shine or luster.

mausoleum (p. 177) A monumental building used as a tomb. Named after the tomb of Mausolos erected at Halikarnassos around 350 BCE.

**medallion (p. 225)** Any round ornament or decoration. Also: a large medal.

**megalith** (p. 17) A large stone used in prehistoric building. Megalithic architecture employs such stones.

megaron (p. 93) The main hall of a Mycenaean palace or grand house, having a columnar **porch** and a room with central fireplace surrounded by four **columns**.

memento mori (p. 907) From Latin for "remember that you must die." An object, such as a skull or extinguished candle, typically found in a **vanitas** image, symbolizing the transience of life.

**memory image (p. 8)** An image that relies on the generic shapes and relationships that readily spring to mind at the mention of an object.

menorah (p. 219) A Jewish lamp-stand with seven or nine branches; the nine-branched menorah is used during the celebration of Hanukkah. Representations of the seven-branched menorah, once used in the Temple of Jerusalem, became a symbol of Judaism.

**metope** (p. 110) The carved or painted rectangular panel between the **triglyphs** of a **Doric frieze**.

**mihrab** (p. 261) A recess or niche that distinguishes the wall oriented toward Mecca (qibla) in a mosque.

millefiori (p. 428) A term derived from the Italian for "a thousand flowers" that refers to a glass-making technique in which rods of differently-colored glass are fused in a long bundle that is subsequently sliced to produce disks or beads with small-scale, multicolor patterns.

minaret (p. 267) A tower on or near a mosque, varying extensively in form throughout the Islamic world, from which the faithful are called to prayer five times a day.

**minbar** (p. 261) A high platform or pulpit in a **mosque**.

miniature (p. 243) Anything small. In painting, miniatures may be illustrations within albums or manuscripts or intimate portraits.

mirador (p. 275) In Spanish and Islamic palace architecture, a very large window or room with windows, and sometimes balconies, providing views to interior courtvards or the exterior landscape.

**mithuna** (p. 302) The amorous male and female couples in Buddhist sculpture, usually found at the entrance to a sacred building. The *mithuna* symbolize the harmony and fertility of life.

**moai** (p. 859) Statues found in Polynesia, carved from tufa, a yellowish brown volcanic stone, and depicting the human form. Nearly 1,000 of these statues have been found on the island of Rapa Nui but their significance has been a matter of speculation.

**mobile (p. 1059)** A sculpture made with parts suspended in such a way that they move in a current of air.

modeling (p. xxix) In painting, the process of creating the illusion of three-dimensionality on a twodimensional surface by use of light and shade. In sculpture, the process of molding a three-dimensional form out of a malleable substance.

module (p. 341) A segment or portion of a repeated design. Also: a basic building block.

molding (p. 315) A shaped or sculpted strip with varying contours and patterns. Used as decoration on architecture, furniture, frames, and other objects.

mortise-and-tenon (p. 19) A method of joining two elements. A projecting pin (tenon) on one element fits snugly into a hole designed for it (mortise) on the other. Such joints are very strong and flexible.

mosaic (p. 146) Images formed by small colored stone or glass pieces (tesserae), affixed to a hard, stable surface.

mosque (p. 261) An edifice used for communal Islamic worship.

Mozarabic (p. 433) An eclectic style practiced in Christian medieval Spain while much of the Iberian peninsula was ruled by Muslim dynasties.

mudra (p. 304) A symbolic hand gesture in Buddhist art that denotes certain behaviors, actions, or feelings.

mullion (p. 507) A slender vertical element or colonnette that divides a window into subsidiary sections.

muqarna (p. 275) Small nichelike components stacked in tiers to fill the transition between differing vertical and horizontal planes.

naos (p. 236) The principal room in a temple or church. In ancient architecture, the cella. In a Byzantine church, the nave and sanctuary.

narrative image (p. 224) A picture that recounts an event drawn from a story, either factual (e.g., biographical) or fictional.

narthex (p. 222) The vestibule or entrance porch of a church.

nave (p. 192) The central space of a basilica, two or three stories high and usually flanked by aisles.

 $necking \ (p.\ 110) \quad {\rm The\ molding\ at\ the\ top\ of\ the\ } shaft$ of the column.

necropolis (p. 53) A large cemetery or burial area; literally a "city of the dead."

negative space (p. 120) Empty space, surrounded and shaped so that it acquires a sense of form or volume.

nemes headdress (p. 51) The royal headdress of

niello (p. 87) A metal technique in which a black sulfur alloy is rubbed into fine lines engraved into metal (usually gold or silver). When heated, the alloy becomes fused with the surrounding metal and provides contrasting detail.

nishiki-e (p. 813) A multicolored and ornate Japanese

oculus (p. 188) In architecture, a circular opening. Oculi are usually found either as windows or at the apex of a dome. When at the top of a dome, an oculus is either open to the sky or covered by a decorative exterior lantern.

odalisque (p. 950) Turkish word for "harem slave girl" or "concubine."

ogee (p. 551) An S-shaped curve. See arch. oinochoe (p. 128) A Greek jug used for wine.

olpe (p. 105) Any Greek vase or jug without a spout.

one-point perspective See perspective.

orant (p. 222) The representation of a standing figure praying with outstretched and upraised arms.

oratory (p. 232) A small chapel.

order (p. 110) A system of proportions in Classical architecture that includes every aspect of the building's plan, elevation, and decorative system. Composite: a combination of the Ionic and the Corinthian orders.

The capital combines acanthus leaves with volute scrolls. Corinthian: the most ornate of the orders, the Corinthian includes a base, a fluted column shaft with a capital elaborately decorated with acanthus leaf carvings. Its entablature consists of an architrave decorated with moldings, a frieze often containing sculptured reliefs, and a cornice with dentils. Doric: the column shaft of the Doric order can be fluted or smooth-surfaced and has no base. The Doric capital consists of an undecorated echinus and abacus. The Doric entablature has a plain architrave, a frieze with metopes and triglyphs, and a simple cornice. Ionic: the column of the Ionic order has a base, a fluted shaft, and a capital decorated with volutes. The Ionic entablature consists of an architrave of three panels and moldings, a frieze usually containing sculpted relief ornament, and a cornice with dentils. Tuscan: a variation of Doric characterized by a smooth-surfaced column shaft with a base, a plain architrave, and an undecorated frieze. A colossal order is any of the above built on a large scale, rising through several stories in height and often raised from the ground by a pedestal. orientalism (p. 966) The fascination with Middle

Eastern cultures.

orthogonal (p. 140) Any line running back into the represented space of a picture perpendicular to the imagined picture plane. In linear perspective, all orthogonals converge at a single vanishing point in the picture and are the basis for a grid that maps out the internal space of the image. An orthogonal plan is any plan for a building or city that is based exclusively on right angles, such as the grid plan of many major cities.

pagoda (p. 341) An East Asian reliquary tower built with successively smaller, repeated stories. Each story is usually marked by an elaborate projecting roof.

painterly (p. xxiv) A style of painting which emphasizes the techniques and surface effects of brushwork (also color, light, and shade).

palace complex (p. 41) A group of buildings used for living and governing by a ruler and his or her supporters, usually fortified.

palazzo (p. 600) Italian term for palace, used for any large urban dwelling.

palmette (p. 139) A fan-shaped ornament with radiating leaves.

panel painting Any painting executed on a wood support. The wood is usually planed to provide a smooth surface. A panel can consist of several boards joined together. parapet (p. 138) A low wall at the edge of a balcony,

bridge, roof, or other place from which there is a steep drop, built for safety. A parapet walk is the passageway, usually open, immediately behind the uppermost exterior wall or battlement of a fortified building.

parchment (p. 243) A writing surface made from treated skins of animals. Very fine parchment is known as

parish church (p. 239) Church where local residents attend regular services.

parterre (p. 760) An ornamental, highly regimented flowerbed. An element of the ornate gardens of seventeenth-century palaces and châteaux.

passage grave (p. 17) A prehistoric tomb under a cairn, reached by a long, narrow, slab-lined access passageway or passageways.

pastel (p. 912) Dry pigment, chalk, and gum in stick or crayon form. Also: a work of art made with pastels.

pedestal (p. 107) A platform or base supporting a sculpture or other monument. Also: the block found below the base of a Classical column (or colonnade), serving to raise the entire element off the ground.

pediment (p. 108) A triangular gable found over major architectural elements such as Classical Greek porticoes, windows, or doors. Formed by an entablature and the ends of a sloping roof or a raking cornice. A similar architectural element is often used decoratively

above a door or window, sometimes with a curved upper molding. A broken pediment is a variation on the traditional pediment, with an open space at the center of the topmost angle and/or the horizontal cornice.

pendentive (p. 236) The concave triangular section of a **vault** that forms the transition between a square or polygonal space and the circular base of a dome.

peplos (p. 115) A loose outer garment worn by women of ancient Greece. A cloth rectangle fastened on the shoulders and belted below the bust or at the waist.

Performance art (p. 1085) An artwork based on a live, sometimes theatrical performance by the artist.

peristyle (p. 66) A surrounding colonnade in Greek architecture. A peristyle building is surrounded on the exterior by a colonnade. Also: a peristyle court is an open colonnaded courtyard, often having a pool and garden.

perspective (p. 184) A system for representing threedimensional space on a two-dimensional surface. Atmospheric perspective: A method of rendering the effect of spatial distance by subtle variations in color and clarity of representation. Intuitive perspective: A method of giving the impression of recession by visual instinct, not by the use of an overall system or program. Oblique perspective: An intuitive spatial system in which a building or room is placed with one corner in the picture plane, and the other parts of the structure recede to an imaginary vanishing point on its other side. Oblique perspective is not a comprehensive, mathematical system. One-point and multiple-point perspective (also called linear, scientific or mathematical perspective): A method of creating the illusion of three-dimensional space on a two-dimensional surface by delineating a horizon line and multiple orthogonal lines. These recede to meet at one or more points on the horizon (called vanishing points), giving the appearance of spatial depth. Called scientific or mathematical because its use requires some knowledge of geometry and mathematics, as well as optics. Reverse perspective: A Byzantine perspective theory in which the orthogonals or rays of sight do not converge on a vanishing point in the picture, but are thought to originate in the viewer's eye in front of the picture. Thus, in reverse perspective the image is constructed with orthogonals that diverge, giving a

photomontage (p. 1039) A photographic work created from many smaller photographs arranged (and often overlapping) in a composition, which is then rephotographed.

slightly tipped aspect to objects.

pictograph (p. 331) A highly stylized depiction serving as a symbol for a person or object. Also: a type of writing utilizing such symbols.

picture plane (p. 573) The theoretical plane corresponding with the actual surface of a painting, separating the spatial world evoked in the painting from the spatial world occupied by the viewer.

picture stone (p. 436) A medieval northern European memorial stone covered with figural decoration. See also rune stone.

picturesque (p. 917) A term describing the taste for the familiar, the pleasant, and the agreeable, popular in the eighteenth and nineteenth centuries in Europe. Originally used to describe the "picture like" qualities of some landscape scenes. When contrasted with the sublime, the picturesque stood for the interesting but ordinary domestic landscape.

piece-mold casting (p. 328) A casting technique in which the mold consists of several sections that are connected during the pouring of molten metal, usually bronze. After the cast form has hardened, the pieces of the mold are disassembled, leaving the completed object.

pier (p. 266) A masonry support made up of many stones, or rubble and concrete (in contrast to a column shaft which is formed from a single stone or a series of drums), often square or rectangular in plan, and capable of carrying very heavy architectural loads.

pietà (p. 231) A devotional subject in Christian religious art. After the Crucifixion the body of Jesus was laid across the lap of his grieving mother, Mary When others are present the subject is called the Lamentation.

**pietra dura (p. 781)** Italian for "hard stone." Semiprecious stones selected for color, variation, and cut in shapes to form ornamental designs such as flowers or fruit

**pietra serena** (p. 600) A gray Tuscan limestone used in Florence.

**pilaster** (p. 160) An **engaged column**-like element that is rectangular in format and used for decoration in architecture

pilgrimage church (p. 239) A site that attracts visitors wishing to venerate **relics** as well as attend services.

pillar (p. 219) In architecture, any large, free-standing vertical element. Usually functions as an important weight-bearing unit in buildings.

pilotis (p. 1045) Free-standing posts.

**pinnacle** (p. 499) In Gothic architecture, a steep pyramid decorating the top of another element such as a **buttress**. Also: the highest point.

plate tracery (p. 502) See tracery.

**plinth (p. 163)** The slablike base or **pedestal** of a **column**, statue, wall, building, or piece of furniture.

**pluralism** (p. 1106) A social structure or goal that allows members of diverse ethnic, racial, or other groups to exist peacefully within the society while continuing to practice the customs of their own divergent cultures, thus providing to artists a variety of valid contemporary styles.

**podium (p. 138)** A raised platform that acts as the foundation for a building, or as a platform for a speaker.

**polychrome**, **polychromy** (p. 521) The multicolored painting decoration applied to any part of a building, sculpture, or piece of furniture.

**polyptych** (p. 564) An altarpiece constructed from multiple panels, sometimes with hinges to allow for movable wings.

porcelain (p. 22) A high-fired, vitrified, translucent, white ceramic ware that employs two specific clays—kaolin and petuntse—and is fired in the range of 1,300 to 1,400 degrees Celsius. The relatively high proportion of silica in the body clays renders the finished porcelains translucent. Like stonewares, porcelains are glazed to enhance their aesthetic appeal and to aid in keeping them clean. By definition, porcelain is white, though it may be covered with a glaze of bright color or subtle hue. Chinese potters were the first in the world to produce porcelain, which they were able to make as early as the eighth century.

**porch** (p. 108) The covered entrance on the exterior of a building. With a row of **columns** or **colonnade**, also called a **portico**.

**portal** (p. 39) A grand entrance, door, or gate, usually to an important public building, and often decorated with sculpture.

**portico** (p. 62) In architecture, a projecting roof or porch supported by **columns**, often marking an entrance. See also **porch**.

**post-and-lintel** (p. 16) An architectural system of construction with two or more vertical elements (posts) supporting a horizontal element (**lintel**).

**potassium-argon dating (p. 12)** Technique used to measure the decay of a radioactive potassium isotope into a stable isotope of argon, and inert gas.

potsherd (p. 22) A broken piece of ceramic ware. poupou (p. 871) A house panel, often carved with designs and found in Pacific cultures.

**Prairie Style** (p. 1046) Style developed by a group of midwestern architects who worked together using the aesthetic of the Prairie and indigenous prairie plants for landscape design to design mostly domestic homes and small public buildings mostly in the midwest.

**predella (p. 548)** The base of an altarpiece, often decorated with small scenes that are related in subject to that of the main panel or panels.

**primitivism** (p. 1022) The borrowing of subjects or forms usually from non-European or prehistoric sources by Western artists. Originally practiced by Western artists as an attempt to infuse their work with the naturalistic and expressive qualities attributed to other cultures, especially colonized cultures.

**pronaos (p. 108)** The enclosed vestibule of a Greek or Roman temple, found in front of the **cella** and marked by a row of **columns** at the entrance.

**proscenium** (p. 150) The stage of an ancient Greek or Roman theater. In modern theater, the area of the stage in front of the curtain. Also: the framing **arch** that separates a stage from the audience.

**psalter** (p. 253) In Jewish and Christian scripture, a book containing the psalms, or songs, attributed to King David

**psykter** (p. 127) A Greek vessel with an extended bottom allowing it to float in a larger krater; used to chill wine.

putto (putti) (p. 229) A plump, naked little boy, often winged. In Classical art, called a cupid; in Christian art, a cherub.

**pylon (p. 66)** A massive gateway formed by a pair of tapering walls of oblong shape. Erected by ancient Egyptians to mark the entrance to a temple complex.

**qibla (p. 267)** The **mosque** wall oriented toward Mecca indicated by the **mihrab**.

**quatrefoil** (p. 503) A four-lobed decorative pattern common in Gothic art and architecture.

**quillwork (p. 845)** A Native American decorative craft technique. The quills of porcupines and bird feathers are dyed and attached to materials in patterns.

**radiometric dating (p. 12)** A method of dating prehistoric works of art made from organic materials, based on the rate of degeneration of radiocarbons in these materials. See also **relative dating**, **absolute dating**.

raigo (p. 372) A painted image that depicts the Amida Buddha and other Buddhist deities welcoming the soul of a dying worshiper to paradise.

raku (p. 821) A type of ceramic pottery made by hand, coated with a thick, dark glaze, and fired at a low heat. The resulting vessels are irregularly shaped and glazed, and are highly prized for use in the Japanese tea ceremony.

**readymade** (p. 1037) An object from popular or material culture presented without further manipulation as an artwork by the artist.

**red-figure** (p. 118) A style and technique of ancient Greek vase painting characterized by red clay-colored figures on a black background. (The figures are reserved against a painted ground and details are drawn, not engraved, as in **black-figure style**.)

**register** (p. 30) A device used in systems of spatial definition. In painting, a register indicates the use of differing groundlines to differentiate layers of space within an image. In sculpture, the placement of self-contained bands of **reliefs** in a vertical arrangement. See **registration marks**.

registration marks (p. 826) In Japanese woodblock printing, these were two marks carved on the blocks to indicate proper alignment of the paper during the printing process. In multicolor printing, which used a separate block for each color, these marks were essential for achieving the proper position or registration of the colors.

relative dating (p. 12) See radiometric dating. relic (p. 239) A venerated object associated with a saint or martyr.

**relief sculpture (p. 5)** A three-dimensional image or design whose flat background surface is carved away to a

certain depth, setting off the figure. Called **high** or **low** (**bas**) **relief** depending upon the extent of projection of the image from the background. Called **sunken relief** when the image is carved below the original surface of the background, which is not cut away.

**reliquary** (p. 299) A container, often made of precious materials, used as a repository to protect and display sacred **relics**.

**repoussé** (p. 87) A technique of hammering metal from the back to create a protruding image. Elaborate **reliefs** are created with wooden armatures against which the metal sheets are pressed and hammered.

**rhyton** (p. 88) A vessel in the shape of a figure or an animal, used for drinking or pouring liquids on special occasions.

rib vault (p. 495) See vault.

**ridgepole** (p. 16) A longitudinal timber at the apex of a roof that supports the upper ends of the rafters.

**roof comb** (p. 386) In a Mayan building, a masonry wall along the apex of a roof that is built above the level of the roof proper. Roof combs support the highly decorated false façades that rise above the height of the building at the front.

**rosettes (p. 105)** A round or oval ornament resembling a rose.

rotunda (p. 197) Any building (or part thereof) constructed in a circular (or sometimes polygonal) shape, usually producing a large open space crowned by a

round arch (p. 172) See arch.

**roundel** (p. 160) Any element with a circular format, often placed as a decoration on the exterior of architecture.

**rune stone (p. 436)** A stone used in early medieval northern Europe as a commemorative monument, which is carved or inscribed with runes, a writing system used by early Germanic peoples.

**rustication** (p. 600) In building, the rough, irregular, and unfinished effect deliberately given to the exterior facing of a stone edifice. Rusticated stones are often large and used for decorative emphasis around doors or windows, or across the entire lower floors of a building. Also, masonry construction with conspicuous, often beyeled joints.

**salon** (p. 905) A large room for entertaining guests; a periodic social or intellectual gathering, often of prominent people; a hall or **gallery** for exhibiting works of art.

**sanctuary** (p. 102) A sacred or holy enclosure used for worship. In ancient Greece and Rome, consisted of one or more temples and an altar. In Christian architecture, the space around the altar in a church called the chancel or presbytery.

**sarcophagus** (p. 49) A stone coffin. Often rectangular and decorated with **relief sculpture**.

**scarab** (p. 51) In Egypt, a stylized dung beetle associated with the sun and the god Amun.

**scarification (p. 403)** Ornamental decoration applied to the surface of the body by cutting the skin for cultural and/or aesthetic reasons.

**school of artists (p. 281)** An art historical term describing a group of artists, usually working at the same time and sharing similar styles, influences, and ideals. The artists in a particular school may not necessarily be directly associated with one another, unlike those in a workshop or **atelier**.

scribe (p. 242) A writer; a person who copies texts. scriptorium (scriptoria) (p. 242) A room in a monastery for writing or copying manuscripts.

**scroll painting (p. 243)** A painting executed on a rolled support. Rollers at each end permit the horizontal scroll to be unrolled as it is studied or the vertical scroll to be hung for contemplation or decoration.

sculpture in the round (p. 5) Three-dimensional sculpture that is carved free of any background or block.

seals (p. 338) Personal emblems usually carved of stone in intaglio or relief and used to stamp a name or legend onto paper or silk. In China, they traditionally employ the archaic characters appropriately known as "seal script," of the Zhou or Qin. Cut in stone, a seal may state a formal given name, or it may state any of the numerous personal names that China's painters and writers adopted throughout their lives. A treasured work of art often bears not only the seal of its maker but also those of collectors and admirers through the centuries. In the Chinese view, these do not disfigure the work but add another layer of interest.

**serdab** (p. 53) In Egyptian tombs, the small room in which the *ka* statue was placed.

**sfumato** (p. 634) Italian term meaning "smoky," soft, and mellow In painting, the effect of haze in an image. Resembling the color of the atmosphere at dusk, *s fimato* gives a smoky effect.

**sgraffito** (p. 602) Decoration made by **incising** or cutting away a surface layer of material to reveal a different color beneath.

**shaft** (p. 110) The main vertical section of a **column** between the **capital** and the **base**, usually circular in cross section.

**shaft grave** (p. 98) A deep pit used for burial. **shikhara** (p. 301) In the architecture of northern India, a conical (or pyramidal) spire found atop a Hindu temple and often crowned with an **amalaka**.

**shoin** (p. 819) A term used to describe the various features found in the most formal room of upper-class Japanese residential architecture.

**shoji** (p. 819) A standing Japanese screen covered in translucent rice paper and used in interiors.

**siapo** (p. 874) A type of **tapa** cloth found in Samoa and still used as an important gift for ceremonial occasions.

**silkscreen printing (p. 1091)** A technique of printing in which paint or ink is pressed through a stencil and specially prepared cloth to produce a previously designed image. Also called serigraphy.

**sinopia (sinopie)** (p. 537) Italian word taken from "Sinope," the ancient city in Asia Minor that was famous for its red-brick pigment. In **fresco** paintings, a full-sized, preliminary sketch done in this color on the first rough coat of plaster or *arricalo*.

site-specific sculpture (p. 1102) A sculpture commissioned and/or designed for a particular location.

**slip** (p. 120) A mixture of clay and water applied to a ceramic object as a final decorative coat. Also: a solution that binds different parts of a vessel together, such as the handle and the main body.

**spandrel** (p. 172) The area of wall adjoining the exterior curve of an **arch** between its springing and the **keystone**, or the area between two arches, as in an **arcade**.

**spolia** (p. 465) Latin for "hide stripped from an animal." Term used for fragments of older architecture or sculpture reused in a secondary context.

**springing (p. 172)** The point at which the curve of an **arch** or **vault** meets with and rises from its support.

**squinch** (p. 236) An **arch** or **lintel** built across the upper corners of a square space, allowing a circular or polygonal dome to be more securely set above the

**stained glass (p. 464)** Molten glass stained with color using metallic oxides. Stained glass is most often used in windows, for which small pieces of different colors are precisely cut and assembled into a design, held together by lead **cames**. Additional details may be added with vitreous paint.

**stave church (p. 436)** A Scandinavian wooden structure with four huge timbers (staves) at its core.

**stele (stelae)** (p. 27) A stone slab placed vertically and decorated with inscriptions or reliefs. Used as a grave marker or memorial.

**stereobate** (p. 110) A foundation upon which a Classical temple stands.

**still life (p. xxxv)** A type of painting that has as its subject inanimate objects (such as food, dishes, fruit, or flowers).

stoa (p. 107) In Greek architecture, a long roofed walk-way, usually having **columns** on one long side and a wall on the other.

stoneware (p. 22) A high-fired, vitrified, but opaque ceramic ware that is fired in the range of 1,100 to 1,200 degrees Celsius. At that temperature, particles of silica in the clay bodies fuse together so that the finished vessels are impervious to liquids, even without glaze. Stoneware pieces are glazed to enhance their aesthetic appeal and to aid in keeping them clean (since unglazed ceramics are easily soiled). Stoneware occurs in a range of earth-toned colors, from white and tan to gray and black, with light gray predominating. Chinese potters were the first in the world to produce stoneware, which they were able to make as early as the Shang dynasty.

**stringcourse** (p. 499) A continuous horizontal band, such as a **molding**, decorating the face of a wall.

**studiolo** (p. 617) A room for private conversation and the collection of fine books and art objects. Also known as a study

**stupa** (p. 298) In Buddhist architecture, a bell-shaped or pyramidal religious monument, made of piled earth or stone, and containing sacred **relics**.

**stylobate** (p. 110) In Classical architecture, the stone foundation on which a temple **colonnade** stands.

**stylus** (p. 28) An instrument with a pointed end (used for writing and printmaking), which makes a delicate line or scratch. Also: a special writing tool for **cuneiform** writing with one pointed end and one triangular.

**sublime** (p. 955) djective describing a concept, thing, or state of greatness or vastness with high spiritual, moral, intellectual or emotional value; or something aweinspiring. The sublime was a goal to which many nineteenth-century artists aspired in their artworks.

sunken relief (p. 71) See relief sculpture.

**symposium** (p. 118) An elite gathering of wealthy and powerful men in ancient Greece that focused principally on wine, music, poetry, conversation, games, and love making.

**syncretism** (p. 222) A process whereby artists assimilate images and ideas from other traditions or cultures and give them new meanings.

**taotie** (p. 328) A mask with a dragon or animal-like face common as a decorative motif in Chinese art.

**tapa** (p. 874) A type of cloth used for various purposes in Pacific cultures, made from tree bark stripped and beaten, and often bearing subtle designs from the mallets used to work the bark.

**tapestry** (p. 484) Multicolored pictorial or decorative weaving meant to be hung on a wall or placed on furniture. Pictorial or decorative motifs are woven directly into the fabric of the cloth itself.

tatami (p. 819) Mats of woven straw used in Japanese houses as a floor covering.

**tempera** (p. 141) A painting medium made by blending egg yolks with water, pigments, and occasionally other materials, such as glue.

**tenebrism (p. 724)** The use of strong **chiaroscuro** and artificially illuminated areas to create a dramatic contrast of light and dark in a painting.

**terra cotta (p. 114)** A medium made from clay fired over a low heat and sometimes left unglazed. Also: the orange-brown color typical of this medium.

**tessera (tesserae) (p. 146)** The small piece of stone, glass, or other object that is pieced together with many others to create a **mosaic**.

**tetrarchy** (p. 204) Four-man rule, as in the late Roman Empire, when four emperors shared power.

**thatch** (p. 17) Plant material such as reeds or straw tied over a framework of poles.

**thermo-luminescence dating (p. 12)** A technique that measures the irradiation of the crystal structure of material such as flint or pottery and the soil in which it is found, determined by luminescence produced when a sample is heated.

**tholos (p. 138)** A small, round building. Sometimes built underground, as in a Mycenaean tomb.

tholos tomb (p. 98) See tholos.

thrust (p. 172) The outward pressure caused by the weight of a **vault** and supported by **buttressing**. See arch.

**tierceron** (p. 554) In vault construction, a secondary rib that arcs from a **springing** point to the rib that runs lengthwise through the **vault**, called the ridge rib.

tondo (p. 128) A painting or relief sculpture of circular shape.

torana (p. 300) In Indian architecture, an ornamented gateway arch in a temple, usually leading to the stupa.

**torc** (p. 151) A circular neck ring worn by Celtic warriors.

**toron** (p. 417) In West African **mosque** architecture, the wooden beams that project from the walls. Torons are used as support for the scaffolding erected annually for the replastering of the building.

**tracery** (p. 502) Stonework or woodwork applied to wall surfaces or filling the open space of windows. In **plate tracery**, openings are cut through the wall. In **bar tracery**, **mullions** divide the space into vertical segments and form decorative patterns at the top of the opening or panel.

**transept** (p. 228) The arm of a **cruciform** church, perpendicular to the **nave**. The point where the nave and transept cross is called the crossing. Beyond the crossing lies the **sanctuary**, whether **apse**, choir, or chevet.

**transverse arch** (p. 457) An **arch** that connects the wall **piers** on both sides of an interior space, up and over a stone **vault**.

**trefoil** (p. 294) An ornamental design made up of three rounded lobes placed adjacent to one another.

triforium (p. 502) The element of the interior elevation of a church, found directly below the clerestory and consisting of a series of arched openings. The triforium can be made up of openings from a narrow wall passageway, or it can be attached directly to the wall.

**triglyph** (p. 110) Rectangular block between the **metopes** of a **Doric frieze**. Identified by the three carved vertical grooves, which approximate the appearance of the end of a wooden beam.

**triptych** (p. 564) An artwork made up of three panels. The panels may be hinged together so the side segments (wings) fold over the central area.

**trompe l'oeil (p. 617)** A manner of representation in which the appearance of natural space and objects is re-created with the express intention of fooling the eye of the viewer, who may be convinced that the subject actually exists as three-dimensional reality.

**trumeau** (p. 473) A **column**, **pier**, or post found at the center of a large **portal** or doorway supporting the **lintel**.

**tugra** (p. 284) A **calligraphic** imperial monogram used in Ottoman courts.

**tukutuku (p. 871)** Lattice panels created by women from the Maori culture and used in architecture.

Tuscan order (p. 161) See order.

**twining (p. 845)** A basketry technique in which short rods are sewn together vertically. The panels are then joined together to form a vessel.

**tympanum** (p. 473) In Classical architecture, the vertical panel of the **pediment**. In medieval and later architecture, the area over a door enclosed by an **arch** and a **lintel**, often decorated with sculpture or **mosaic**.

**ukiyo-e** (p. 994) A Japanese term for a type of popular art that was favored from the sixteenth century, particularly in the form of color **woodblock prints**. *Ukiyo-e* prints often depicted the world of the common people in Japan, such as courtesans and actors, as well as landscapes and myths.

**undercutting** (p. 214) A technique in sculpture by which the material is cut back under the edges so that the remaining form projects strongly forward, casting deep shadows.

**underglaze (p. 799)** Color or decoration applied to a ceramic piece before glazing.

**upeti** (p. 874) A carved wooden design tablet, used to create patterns in cloth by dragging the fabric across it, and found in Pacific cultures.

**urna** (p. 303) In Buddhist art, the curl of hair on the forehead that is a characteristic mark of a buddha. The *urna* is a symbol of divine wisdom.

**ushnisha** (p. 303) In Asian art, a round turban or tiara symbolizing royalty and, when worn by a buddha, enlightenment.

vanishing point (p. 608) In a perspective system, the point on the horizon line at which orthogonals meet. A complex system can have multiple vanishing points.

vanitas (p. 751) An image, especially popular in Europe during the seventeenth century, in which all the objects symbolize the transience of life. *Vanitas* paintings are usually of still lifes or genre subjects.

vault (p. 17) An arched masonry structure that spans an interior space. Barrel or tunnel vault: an elongated or continuous semicircular vault, shaped like a half-cylinder. Corbeled vault: a vault made by projecting courses of stone. Groin or cross vault: a vault created by the intersection of two barrel vaults of equal size which creates four side compartments of identical size and shape. Quadrant or half-barrel vault: as the name suggests a half-barrel vault. Rib vault: ribs (extra masonry) demarcate the junctions of a groin vault. Ribs may function to reinforce the groins or may be purely decorative. See also corbeling.

veduta (p. 913) Italian for "vista" or "view." Paintings, drawings, or prints often of expansive city scenes or of barbors.

**vellum (p. 243)** A fine animal skin prepared for writing and painting. See also **parchment**.

**verism** (p. 170) style in which artists concern themselves with describing the exterior likeness of an object or person, usually by rendering its visible details in a finely executed, meticulous manner.

vihara (p. 301) From the Sanskrit term meaning "for wanderers." A *vihara* is, in general, a Buddhist monastery in India. It also signifies monks' cells and gathering places in such a monastery.

volute (p. 110) A spiral scroll, as seen on an **Ionic** capital.

**votive figure** (p. 31) An image created as a devotional offering to a god or other deity.

**voussoir** (p. 172) The oblong, wedge-shaped stone blocks used to build an arch. The topmost voussoir is called a **keystone**.

warp (p. 286) The vertical threads in a weaver's loom. Warp threads make up a fixed framework that provides the structure for the entire piece of cloth, and are thus often thicker than weft threads. See also weft.

wattle and daub (p. 17) A wall construction method combining upright branches, woven with twigs (wattles) and plastered or filled with clay or mud (daub).

weft (p. 286) The horizontal threads in a woven piece of cloth. Weft threads are woven at right angles to and through the warp threads to make up the bulk of the decorative pattern. In carpets, the weft is often completely covered or formed by the rows of trimmed knots that form the carpet's soft surface. See also warp.

westwork (p. 439) The monumental, west-facing entrance section of a Carolignian, Ottonian, or Romanesque church. The exterior consists of multiple stories between two towers; the interior includes an entrance vestibule, a chapel, and a series of galleries overlooking the nave.

white-ground (p. 141) A type of ancient Greek pottery in which the background color of the object was painted with a slip that turns white in the firing process. Figures and details were added by painting on or incising into this slip. White-ground wares were popular in the Classical period as funerary objects.

woodblock print (p. 589) A print made from one or more carved wooden blocks. In Japan, woodblock prints were made using multiple blocks carved in **relief**, usually with a block for each color in the finished print. See also **woodcut**.

woodcut (p. 590) A type of print made by carving a design into a wooden block. The ink is applied to the block with a roller. As the ink remains only on the raised areas between the carved-away lines, these carved-away areas and lines provide the white areas of the print. Also: the process by which the woodcut is made.

yaksha, yakshi (p. 296) The male (yaksha) and female (yakshi) nature spirits that act as agents of the Hindu gods. Their sculpted images are often found on Hindu temples and other sacred places, particularly at the appropriate.

**ziggurat** (p. 28) In Mesopotamia, a tall stepped tower of earthen materials, often supporting a shrine.

### Susan V. Craig, updated by Carrie L. McDade

This bibliography is composed of books in English that are appropriate "further reading" titles. Most items on this list are available in good libraries, whether college, university, or public institutions. Recently published works have been emphasized so that the research information would be current. There are three classifications of listings: general surveys and art history reference tools, including journals and Internet directories; surveys of large periods that encompass multiple chapters (ancient art in the Western tradition, European medieval art, European Renaissance through eighteenth-century art, modern art in the West, Asian art, and African and Oceanic art, and art of the Americas); and books for individual Chapters 1 through 32.

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## Internet Directories for Art History Information: A Selected List

#### ARCHITECTURE AND BUILDING,

http://www.library.unlv.edu/arch/rsrce/webresources/

A directory of architecture websites collected by Jeanne Brown at the Univ. of Nevada at Las Vegas. Topical lists include architecture, building and construction, design, history, housing, planning, preservation, and landscape architecture. Most entries include a brief annotation and the last date the link was accessed by the compiler.

## ART HISTORY RESOURCES ON THE WEB,

http://witcombe.sbc.edu/ARTHLinks.html

Authored by Professor Christopher L. C. E. Witcombe of Sweet Briar College in Virginia, since 1995, the site includes an impressive number of links for various art historical eras as well as links to research resources, museums, and galleries. The content is frequently undated.

# ART IN FLUX: A DIRECTORY OF RESOURCES FOR RESEARCH IN CONTEMPORARY ART,

http://www.boisestate.edu/art/artinflux/intro.html

Cheryl K. Shurtleff of Boise State Univ. in Idaho, has authored this directory, which includes sites selected according to their relevance to the study of national or international contemporary art and artists. The subsections include artists, museums, theory, reference, and links.

## ARTCYCLOPEDIA: THE GUIDE TO GREAT ART ON THE INTERNET

http://www.artcyclopedia.com

With more than 2,100 art sites and 75,000 links, this is one of the most comprehensive web directories for artists and art topics. The primary search is by artist's name but access is also available by title of artwork, artistic movement, museums and galleries, nationality, period, and medium.

## MOTHER OF ALL ART AND ART HISTORY LINKS PAGES

http://umich.edu/~motherha

Maintained by the Dept, of the History of Art at the Univ. of Michigan, this directory covers art history departments, art museums, fine arts schools and departments as well as links to research resources. Each entry includes annotations.

## VOICE OF THE SHUTTLE,

http://vos.ucsb.edu

Sponsored by Univ. of California, Santa Barbara, this directory includes more than 70 pages of links to humanities and humanities-related resources on the Internet. The structured guide includes specific subsections on architecture, on art (modern and contemporary), and on art history. Links usually include a one-sentence explanation and the resource is frequently updated with new information.

#### ARTBABBLE

http://www.artbabble.org/

An online community created by staff at the Indianapolis Museum of Art to showcase art-based video content, including interviews with artists and curators, original documentaries, and art installation videos. Partners and contributors to the project include Art21, Los Angeles County Museum of Art, The Museum of Modern Art, The New York Public Library, San Francisco Museum of Modern Art, and Smithsonian American Art Museum.

## YAHOO! ARTS>ART HISTORY,

http://dir.yahoo.com/Arts/Art\_History/

Another extensive directory of art links organized into subdivisions with one of the most extensive being "Periods and

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