



THE GLOBAL PAST

VOLUME ONE, PREHISTORY TO 1500

Lanny B. Fields

California State University-San Bernardino

Russell J. Barber

California State University-San Bernardino

Cheryl A. Riggs

California State University-San Bernardino

For Bedford Books

President and Publisher: Charles H. Christensen

General Manager and Associate Publisher: Joan E. Feinberg

History Editor: Katherine E. Kurzman Developmental Editor: Jane Betz

Editorial Assistants: Thomas Pierce and Maura Shea

Managing Editor: Elizabeth M. Schaaf Production Editor: Lori Chong Roncka

Production Assistants: Ellen C. Thibault and Ara Salibian

Copyeditor: Eric Newman Proofreader: Paula Woolley Text Design: Wanda Kossak

Photo Researcher: Carole Frohlich, The Visual Connection

Cartography: GeoSystems Global Corporation

Page Layout: DeNee Reiton Skipper

Indexer: Steve Csipke

Cover Design: Hannus Design Associates

Cover Art: Mask, c. 1150–550 B.C. (detail). Olmec, Veracruz, Middle Preclassic. Gift of Landon T. Clay. Courtesy of the Museum of Fine Arts, Boston. Yu bronze vase, 1100–1000 B.C. (detail). China, end of the Shang-ying period, beginning of the Zhou period. Courtesy of the Tokyo National Museum.

Composition: Ruttle, Shaw & Wetherill, Inc.

Printing and Binding: Quebecor Printing Kingsport

Library of Congress Catalog Card Number: 97-72370

Copyright © 1998 by Bedford Books A Division of St. Martin's Press, Inc.

All rights reserved. No part of this book may be reproduced, stored in a retrieval system, or transmitted by any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, except as may be expressly permitted by the applicable copyright statutes or in writing by the Publisher.

Manufactured in the United States of America.

2 1 0 9 f e d c b

For information, write: Bedford Books, 75 Arlington Street, Boston, MA 02116 (617-426-7440)

ISBN: 0-312-10332-8 (hardcover comprehensive vol.)

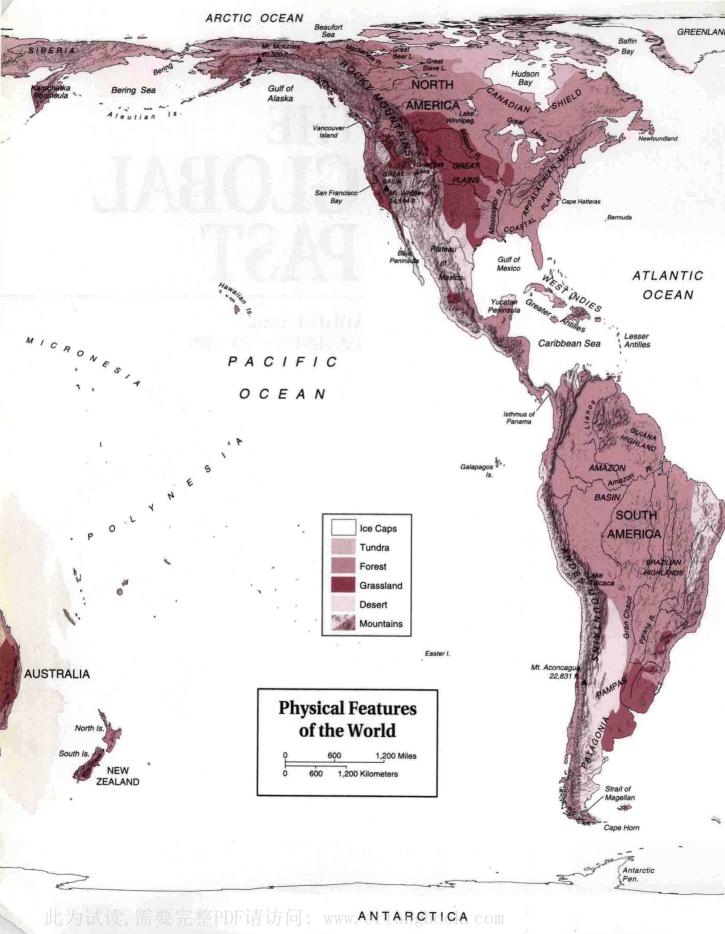
ISBN: 0-312-10330-1 (paperback Vol. 1) ISBN: 0-312-10331-X (paperback Vol. 2)

On the Title Page: This image adorns a wall of the tomb of Ipuy, a member of the Egyptian elite. Painted in Thebes around 1250 B.C., it shows Ipuy and his wife, seated on the left, receiving offerings of goods and food from their children. The Metropolitan Museum of Art (30.4.1114).

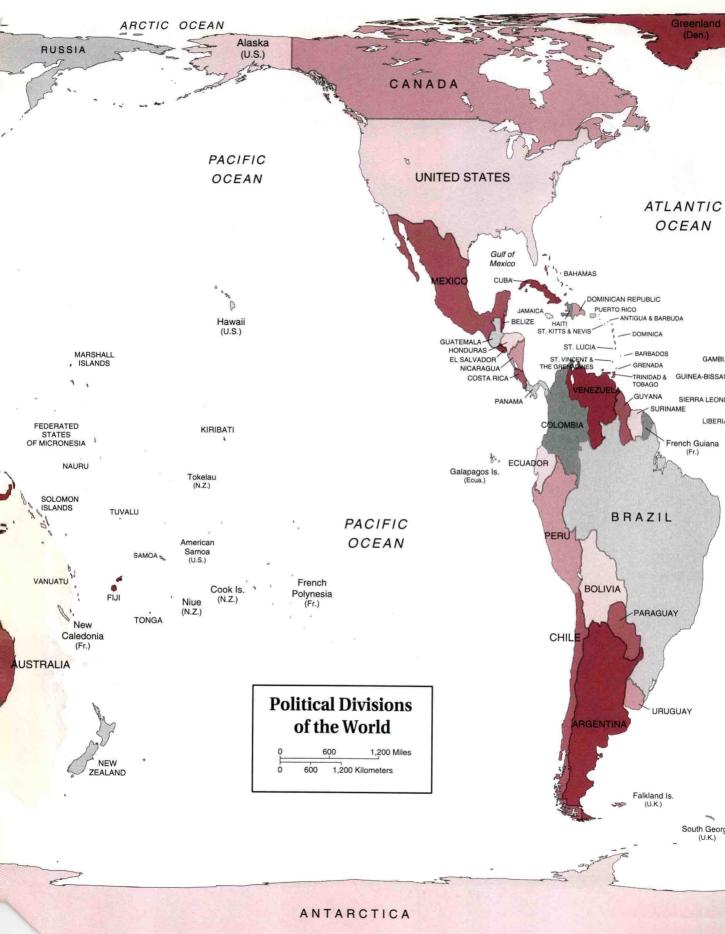
Acknowledgments and copyrights appear at the back of the book on pages 543–544, which constitute an extension of the copyright page.

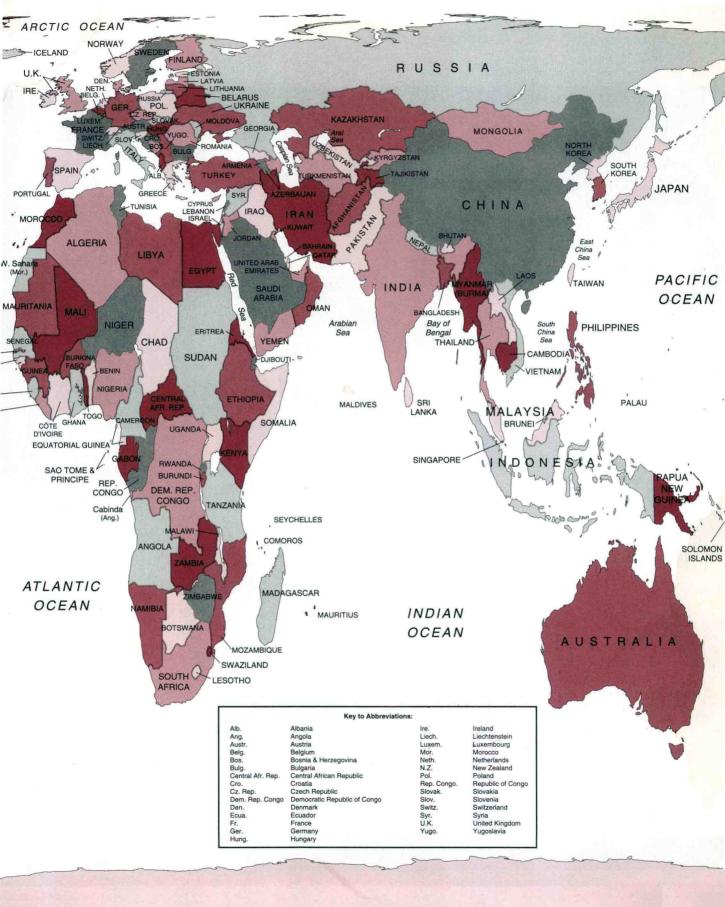
THE GLOBAL PAST

VOLUME ONE, PREHISTORY TO 1500











Preface for Instructors

In 1991, Lanny Fields, who had been teaching world history for more than ten years, wrote an article criticizing the books then available for this course, urging both publishers and professors to be bolder in their goals and methods for teaching a global history. This brief piece was published in Perspectives, the newsletter of the American Historical Association, where it came to the attention of an editor who had also been searching for a way to approach a course that was clearly growing. The conversations thus started branched out to include two more professors at California State University-San Bernardino; Cheryl Riggs, also in the Department of History, joined Lanny Fields to add her own experiences in the classroom and to strengthen a commitment to social and religious history. Russell Barber, an anthropologistarchaeologist, was recruited when it became clear that to write something "truly global" meant to move beyond what history alone could encompass; his research and understanding of other social science models has proved invaluable to the project. After the efforts of many years, we are pleased to present a book that is global in scope, practically structured, and designed with our students in mind.

As instructors in world history courses, we have found that the most difficult part of teaching these courses is finding a way to cover such a huge topic: deciding what to leave out, how to integrate diverse strands, and how to give the course shape. We have written *The Global Past* with this essential problem in mind and used a variety of approaches to make the text comprehensive and coherent and to help make the introductory world history course a valuable learning experience for students.

Truly Global Approach

From the beginning, *The Global Past* has been designed to provide truly global coverage of world history. Many world history textbooks were born as

Western civilization texts and expanded to incorporate sections on other parts of the world; these sections, however, are often poorly integrated into the textbook and overly brief. In contrast, these topics are given more extensive treatment in *The Global Past*—as their global significance demands—and are integrated into broader discussions throughout the book. In Part Three, for example, an examination of the rise of regional states opens with a full chapter on Islamic expansion. This early chapter provides the context students need for later coverage of the Byzantine Empire.

This broad geographical coverage gives students a better picture of the range of unique world events and encourages them to make comparisons that lead to insights about recurring patterns in world history. Indeed, comparison of events and processes in disparate places and times is an important theme of the book, a theme that is reinforced in the "Issue" chapters and in the special features.

Multidisciplinary Perspectives

Many disciplines have made significant contributions to the study of the human past, and *The Global Past* draws freely on anthropology, geography, and other social sciences to complement the insights of historians. Models and other intellectual tools of the social sciences help to frame discussions, making recurrent patterns more evident and understandable. Models are a widely misunderstood tool of the social sciences. A discussion on p. 17 explains to students that models are ideal constructs created by scholars and that real-world deviations from the expectations derived from models are revealing and frequently lead to new insights.

The presence of an anthropologist-archaeologist among the authors signals a commitment to examining human history before the existence of written records and in places where documents can be complemented with material evidence. The interests of modern archaeologists range from reconstructing past environments to exploring technological capabilities to explaining social change. The Global Past incorporates their findings throughout. Archaeological contributions are most obvious in chapters that discuss ancient times, such as those on human origins and the earliest civilizations, but they also enrich our understanding of more recent times and events, such as medieval reactions to the Black Death, plantation slavery in the Americas, the Industrial Revolution, and West African urbanization.

Balanced Coverage

In recognition that history is more than kings and battles, The Global Past explores political, economic, cultural, and social developments, attempting to provide balanced and integrated coverage. We have devoted entire chapters, for example, to such topics as "The Development of Civilizations in the Americas" (before European contact) and "Technology and Science before 1500." Shorter treatments are integrated into chapters, linking political-economic events and cultural-social events. This recognition of connections between people, places, and different arenas of activity has been praised by reviewers.

A Variety of Special Features

A number of short sidebar essays are interspersed throughout the text to give students a sense of how people lived in the past, what their concerns were, and how historians interpret the past. These special features, which help to flesh out the coverage and provide a welcome change of pace, are of five types:

- "In Their Own Words," excerpts from primary sources, appear in every chapter. Aztec accounts allow students to glimpse what it was like to be an Aztec king in "It's Good to Be the Aztec Emperor."
- "Paths to the Past," historiographic and methodological discussions, help students understand how historians know what they know. For example, "The Bog People" describes archaeological detective work on bog bodies found in Europe.
- "Encounters," narrative accounts of contacts between peoples, examine the places where cultures met. "The Sicilian Caterer," for example,

- discusses food catering in Sicily as a reflection of the interconnectedness of the ancient eastern Mediterranean.
- "Parallels and Divergences," comparisons of particular topics across time and space, examine similarities and differences between cultures. "Economic and Political Uses for Temples," for example, discusses the various functions of temples built in China, India, and Japan in ancient times.
- "Under the Lens" boxes examine individual events, people, or objects in depth. "Nalanda: An Important Indian University," for example, focuses on the famous Buddhist center of learning and traces the paths by which knowledge traveled to distant lands.

Topical-Chronological Organization

As longtime teachers of the world history survey, we are well aware of the dilemma instructors face in such courses. On the one hand, students need to see the chronological pattern of history in order to organize all the information covered in a text of this size; on the other hand, students need to make connections across time in order to make the information meaningful. A textbook organized strictly according to chronology can, of course, become encyclopedic and mired in the minutiae of specific cases. One organized strictly according to topics, on the other hand, can obscure the basic and important temporal relationships that are central to understanding causality. The Global Past steers a middle course, maintaining a largely chronological structure in this five-part volume while emphasizing important themes within each part in order to give the material coherence and meaning.

One of the great values of a topical treatment is its economy. Writing a truly global text means including sections often omitted in other books; providing balanced treatment of economic, cultural, and social history also adds length. The topical approach allows space for these essential elements while keeping the length of the book manageable; it is a way to emphasize important links without going into endless detail. It also encourages comparison, an important goal of this text. To make space for these new goals, we have scaled back on the traditional European coverage characteristic of the previous generation of world history texts. We hope instructors will agree that this tradeoff is more than compensated for in the truly global coverage that results.

The treatment of the Mongols in a single chapter provides a good example. Focusing on this power that dominated much of Asia for over 250 years allows students to concentrate on Chinggis Khan's forces while also suggesting comparisons with other imperial powers of the era. Further, the discussion of empires in general need not be confined to a single chapter and, instead, benefits from the comparison this focused treatment makes possible.

To give them coherence and thematic unity, each of the main parts of *The Global Past* closes with a brief chapter devoted to an issue—such as trade, empire, religion, or technology—that has shaped the events discussed in that part. These "Issue" chapters encourage students to step back and consider how events occurring in distant cultures connect to one another, and how they connect to events that occurred earlier and later in time.

Features to Assist the Student

The Global Past includes a variety of features to help students make sense of what they read, organize their thoughts, and study.

- An equal-area map at the beginning of each chapter, often with detail inserts, shows what geographical areas will be discussed in that chapter.
- 57 maps within the chapters are accompanied by detailed captions to encourage critical thinking.
- Full-color maps at the back of the book dedicate a two-page spread to each major geographical area and summarize the changes in each area over the period covered in the text.
- An outline at the beginning of each chapter helps students see how the topics covered relate to one another.
- Pronunciation guides, at the bottoms of text pages, give easy-to-read phonetic respellings for non-English words.
- Abundant, good-sized figures and charts are always accompanied by substantial captions to encourage critical thinking.
- Part and chapter timelines place significant events and processes in time, helping students

- recognize the chronological relationships within and between geographical areas.
- End-of-chapter summaries are ideal for study and review.
- Suggested readings at the end of each chapter offer carefully selected, annotated lists of classic, recent, and specialized studies for students to explore.

In addition to the full-color map appendix, *The Global Past* includes two other reference tools:

- a glossary of significant terms (which appear in boldface in the text), including pronunciation glosses where appropriate; and
- a full index, including cross-references, brief identifications, dates, and pronunciation glosses where appropriate.

Useful Ancillaries

Bedford Books has made available to the student three major ancillaries: a reader, a map workbook, and a study guide. The two-volume reader, *Reading The Global Past* (edited by Russell J. Barber, Lanny B. Fields, and Cheryl A. Riggs) is geared specifically to *The Global Past* and organized into similar parts. Each part offers an integrated set of readings organized around a critical theme of that part, such as the rise of civilization or the role of economics in empires. Most of the readings are primary sources such as travelers' accounts or political documents, but a few important secondary readings are included as examples of current historical thinking. Each part also contains a visual portfolio.

The two-volume map workbook, *Mapping The Global Past: Historical Geography Workbook* (written by Mark Newman at the University of Illinois–Chicago) gives students additional practice working with maps and analyzing the significance of geography in historical events.

The two-volume study guide, *Making the Most of The Global Past: A Study Guide* (written by Jay Boggis) gives students valuable practice in working with art, maps, timelines, outlines, summaries, essays, and test questions of all kinds.

Ancillaries for instructors help manage the formidable task of teaching an introductory world history course. An instructor's resource manual, *Teaching The Global Past* (written by Cheryl A.

Riggs) offers summaries; sample syllabi; lecture suggestions; suggestions for student projects and paper topics; a general bibliography on teaching world history; a variety of references to books, films, and other teaching materials; tips for incorporating the other ancillaries; and more. A testbank (available in print, Macintosh, and Windows formats) offers multiple choice, true/false, fill in the blanks, short answer, reading art, and essay questions of graduated difficulty for all chapters. Color transparencies for maps and selected illustrations in the text allow instructors to focus on particular images in class. A unique Audio Pronunciation Guide lets instructors hear how unusual non-English words and phrases are pronounced, so they can speak confidently in class.

History has developed an increased awareness of how critical it is to study the totality of the human past: all arenas of human endeavor at all times and places. The Global Past will initiate students into that awareness as soon as they take their first survey course in world history.

Acknowledgments

It is trite but true to state that every book is a group effort; a textbook raises that statement to new heights. We have imposed on our colleagues at California State University-San Bernardino and elsewhere, regularly requesting information and comments. The School of Social and Behavioral Sciences at CSUSB and Deans Aubrey Bonnett and Ellen Gruenbaum assisted us by providing funds to facilitate the project.

At Bedford Books, Publisher Charles Christensen and General Manager Joan Feinberg have been both supportive and demanding, and their dedication to producing a quality book has been exemplary; Jane Betz has guided the text through its evolution; and Lori Chong Roncka has been responsible for its production. Carole Frohlich of The Visual Connection applied her skills and taste in researching the illustrations.

Louise Waller, formerly of St. Martin's Press, holds a special place in our gratitude. Her initial interest in and guidance of this project were very influential in shaping it, and we consider her an honorary author.

Finally, we extend our thanks to the various reviewers who read parts or all of the manuscript and shared their expertise and judgment with us. Not every comment was always welcome at the time, but it would be difficult to find one that did not ultimately help improve the text. We extend our thanks to that legion of reviewers: Roger Adelson, Arizona State University; Ruth Aurelius, Des Moines Area Community College; Norman Bennett, Boston University; Gail Bossenga, University of Kansas; Fritz Blockwell, Washington State University; Thomas W. Burkman, State University of New York-Buffalo; Captain Robert Carriedo, United States Air Force Academy; Ronald Coons, University of Connecticut; Captain Robert Cummings, United States Air Force Academy; R. Hunt Davis, University of Florida; Michael Fisher, Oberlin College; Vernard Foley, Purdue University; Robert D. Friedel, University of Maryland; Robert Garfield, DePaul University; Suzanne Gay, Oberlin College: Frank Garosi, California State University-Sacramento; Laura Gellot, University of Wisconsin-Parkside; Marc Gellot, University of Wisconsin-La Crosse; Marc Gilbert, North Georgia College; Christopher Gutherie, Tarleton State University; John S. Innes, Eastern Washington University; Doug Klepper, Santa Fe Community College; Gregory Kozlowski, DePaul University; James Krippner-Martinez, Haverford College; David Lelyveld, Columbia University; John Mandaville, Portland State University; C. Nicole Martin, Germanna Community College; David McComb, Colorado State University; Rebecca McCoy, University of Idaho; John Mears, Southern Methodist University; Gail Minault, University of Texas-Austin; David T. Morgan, University of Montevallo; Les Muray, Lansing Community College; Vera Reber, Shippensburg University; Donald Roper, State University of New York-New Paltz; Paul Scherer, Indiana State University-South Bend; James Shenton, Columbia University; Amos E. Simpson, University of Southwestern Louisiana; Leonard Smith, Oberlin College; Robert Tignor, Princeton University; Joseph Warren, Lansing Community College; Samuel Wells, Pearl River Community College; Allan Winkler, Miami University of Ohio; John Williams, Indiana State University; Marcia Wright, Columbia University. We would especially like to thank Marian Nelson of the University of Nebraska-Omaha and Robert Berry for their extensive help.

> Lanny B. Fields Russell J. Barber Cheryl A. Riggs San Bernardino, California **June 1997**

Brief Contents

PART ONE EARLY TIMES 2

CHAPTER 1	The Study of the Global Past 5
CHAPTER 2	Beginnings, around 4,500,000 – around 100,000 B.C. 27
CHAPTER 3	Cultural Evolution, Complexity, and Civilization 45
CHAPTER 4	Southwest Asia, Egypt, and the Eastern Mediterranean, around 3500–331 B.C. 67
CHAPTER 5	Early River Valley Civilizations of South and East Asia, around 2500– around 700 B.C. 97
CHAPTER 6	The Development of Civilizations in the Americas 115
Issue 1	Trade and Exchange 141

PART TWO THE CONVERGENCE TOWARD EMPIRE 148

CHAPTER 7	The Greek Polis and the Roman Republic, around 800–31 B.C. 151
CHAPTER 8	The Greek Empire, the Hellenistic Age, and the Roman Empire, 359 B.C.–A.D. 476 183
CHAPTER 9	Early Civilizations in Nubia and Ethiopia, around 800 b.c.—A.D. 650 213
CHAPTER 10	Indian Empires, Society, Ideology, and Regional Influence, around 500 B.C.—around A.D. 600 233
CHAPTER 11	China: From Feudalism to Empire, 770 B.C.–A.D. 220 257
Issue 2	Empire 281

PART THREE THE RISE OF REGIONAL STATES 290

CHAPTER 12	Islamic Expansion and Regionalism, 622–1258 293
CHAPTER 13	The European Middle Ages, around 500–around 1450 315
CHAPTER 14	Regionalism in South, Southeast, and East Asia, around 180 B.C.– around

CHAPTER 15

CHAPTER 21

INDEX I-1

GLOSSARY OF TERMS G-1

Issue 3	Feudalism 393				
PART FOUR THE REEMERGENCE OF EXPANSIVE SOCIETIES 400					
CHAPTER 16	The Americas on the Eve of European Contact, around $1300-1532-403$				
CHAPTER 17	The Byzantine Empire, around 450–1453 425				
CHAPTER 18	Empires and Other States in East Asia, 589–1279 451				
CHAPTER 19	The Mongol Empire: Ascendancy, Domination, and Decline in Eurasia, 1206–1480 473				
Issue 4	World Religions and Their Spread 497				
PART FIVE PERSPECTIVES 506					

Regional Kingdoms of Sub-Saharan Africa, around

200-around 1600 371

CHAPTER 20 Technology and Science before 1500 509

Population Sparks Human Change 527

APPENDIX 1: Global Change from Prehistory to the 1500s, Full-Color Maps A-1

Contents

SPECIAL FEATURES xxv
MAPS xxvii
PREFACE FOR INSTRUCTORS xxix

PART ONE EARLY TIMES 2

CHAPTER 1 The Study of the Global Past 5

WHY STUDY THE PAST? 6
WHO STUDIES THE PAST? 7
THE SOURCES OF INFORMATION ON THE PAST 9
Documents 9
In Their Own Words: Views of the Death of Montezuma 12
Oral Accounts 13
Physical Remains 14
HISTORICAL FACT AND HISTORICAL INTERPRETATION 14
Paths to the Past: The Bog People 15
MODELS OF THE PAST 17
TIME AND PERIODS OF HISTORY 18
Calendars 18
Periodization 20
Under the Lens: Maps and Map Projections 21

SUMMARY 24 SUGGESTED READINGS 25

THE GLOBAL PAST AND RELATIVISM 23

CHAPTER 2

Beginnings, around 4,500,000-around 100,000 B.C. 27

THE SCIENTIFIC QUEST TO UNDERSTAND HUMAN ANCESTRY 28 The Creet Shift in Worldwiger 29

The Great Shift in Worldview 28
In Their Own Words: The Iroquois Creation Myth 29
The Search for Human Ancestors 30
Paths to the Past: Dating Our Fossil Ancestors 31
THE PATTERN OF HUMAN EVOLUTION 31
Early Ancestors and a Tentative Family Tree 31

Lucy and the First Family 32
The Divergence of the *Australopithecus* and *Homo* Lines 33 *Homo erectus* Becomes Human 34

Cultural Evolution, Complexity, and Civilization	45
THE IDEA OF CULTURAL EVOLUTION 45	
Stages of Cultural Evolution 46	
The Population Trigger for the Agricultural Bomb 48	
Why Some Cultures Never Developed Civilization 49	
THE CORE ELEMENTS OF CIVILIZATION 49	
Agricultural Dependence 49	
Occupational Specialization 50	
In Their Own Words: It's Good to Be the Aztec Emperor 51	
Class Stratification 51	
State Government 52	
Long-Distance Trade 53	
Urbanism 54	
THE SECONDARY ELEMENTS OF CIVILIZATION 56	
Developed Transportation System 56	
Writing 57	
Standards of Measurement 58	

Formal Legal System 58 Great Art Style 59

Mathematics 60

Astronomy 62

SUMMARY 64

Monumental Architecture 59

Sophisticated Metallurgy 62

SUGGESTED READINGS 65

The Rise of Homo sapiens 36 HALLMARKS OF HUMANITY 37

AFTER BIOLOGICAL EVOLUTION 41

SUGGESTED READINGS 43

Upright Bipedalism 37 Demographic Potential 38 Continuous Sexual Receptivity 39

Intelligence 39 Language 40 Technology 40

SUMMARY 43

CHAPTER 3

CHAPTER 4

Southwest Asia, Egypt, and the Eastern Mediterranean, around 3500–331 B.C. 67

Paths to the Past: Building an Egyptian Pyramid 61

UTILITY OF THE CONCEPT OF CIVILIZATION 64

MESOPOTAMIA: THE LAND BETWEEN THE RIVERS 68

The Sumerians, around 3500-2350 B.C. 70

Political Conquest, Migration, and Change in Southwest Asia 74

INTERRELATIONSHIPS OF THE ELEMENTS OF CIVILIZATION 63