

544 pages. 8-1/2 x 11.
Paperbound. 4-color. ©2007.
ISBN: 0-534-62396-4.

AVAILABLE JULY 2006!

UNDERSTANDING PHYSICAL ANTHROPOLOGY AND ARCHAEOLOGY

Ninth Edition

Barry Lewis, *University of Illinois, Urbana-Champaign*, Robert Jurmain, *Emeritus, San Jose State University*, and Lynn Kilgore, *Colorado State University*

Current controversies, concise coverage of biology and genetics, and fascinating pedagogical tools . . . the Ninth Edition brings the study of physical anthropology and archaeology to life for today's student!

This streamlined, full-color text is a thorough and well-balanced introduction to the fields of physical anthropology and archaeology that uses helpful tables, charts, multimedia, and an engaging writing style to hook students and keep them learning. With fascinating coverage of human evolutionary theory, living primates, the origins of food production and civilization, and contemporary issues such as human variation and adaptation, the text helps students master the basic principles of the subject and arrive at an understanding of the human species and its place in the biocultural world.

New co-author, Barry Lewis brings his wide expertise in research methods and his experience with North American and South Indian archaeology to this edition. In a field where new discoveries take place almost daily, *Understanding Physical Anthropology and Archaeology* keeps pace with timely and engaging coverage, giving students an appreciation for the evolving nature of the discipline. Updated and enhanced to reflect new findings and to incorporate new pedagogy, this Ninth Edition reflects the most significant revision of the text in years.

The authors' conversational writing style and high interest features such as *Digging Deeper*, as well as new features such as *At a Glance*, *Focus Questions* and *Cutting Edge Research* make the material accessible for students to help them grasp the material and enjoy learning in the process. The media resources section point students and instructors to specific media that is appropriate for each chapter.



You can choose to package the text with access to the exciting new password-protected Premium Online Study Center. See inside for details on how this amazing resource works hand-in-hand with the text.

TABLE OF CONTENTS

- | | |
|--|---|
| 1. Introduction to Anthropology | 11. Premodern Humans |
| 2. The Development of Evolutionary Theory | 12. Origin & Dispersal of Modern Humans |
| 3. Heredity and Evolution | 13. Early Holocene Hunters and Gatherers |
| 4. Modern Human Variation and Adaptation | 14. Food Production |
| 5. Macroevolution: Processes of Vertebrate & Mammalian Evolution | 15. The First Civilizations |
| 6. An Overview of the Primates | 16. New World Civilizations |
| 7. Primate Behavior | Appendix A: Atlas of Primate Skeletal Anatomy |
| 8. Understanding the Past: Archaeological/Paleoanthropological Methods | Appendix B: Summary of Early Fossil Finds From Africa |
| 9. Hominid Origins | Appendix C: Population Genetics |
| 10. The Earliest Dispersal of the Genus <i>Homo</i> : <i>Homo erectus</i> and Contemporaries | |

VISIT US ONLINE



Wadsworth's Anthropology Home Page

www.thomsonedu.com/anthropology

This site presents rich teaching and learning resources—including tutorial quizzes, a final exam, chapter outlines, weblinks, flashcards, crossword puzzles, and more! Access to this site can be packaged with the new copies of the text at no additional cost. Contact your local Thomson sales representative for more information.





NEW TO THIS EDITION

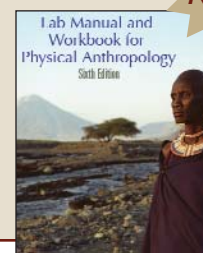
- ▶ A new co-author, Barry Lewis, has completely re-written the section on archaeological methods, incorporated more archaeology in the beginning section of the book, and rewritten the chapters that cover the past 20,000 years of prehistory to bring the fascinating story of human biocultural evolution up to date through the emergence of the first civilizations.
- ▶ This edition is now more concise, reducing the chapters from 18 to 16—by combining Chapters 4 and 5 and renaming the new chapter “Modern Human Variation and Adaptation.” Most of Chapter 8 has been moved to Chapter 5 and is now called, “Macroevolution: Processes of Vertebrate and Mammalian Evolution.” Material on paleoanthropological and archaeological research methods, which was treated separately in Chapters 9 and 14, has been combined and rewritten as the new Chapter 8, “Understanding the Past: Archaeological/Paleoanthropological Methods,” to better integrate archaeology with physical anthropology and eliminate redundancies.
- ▶ More examples throughout the text help students better understand the work of real archaeologists.
- ▶ **Cutting Edge Research** features appear between select chapters and highlight the dynamic research of contemporary anthropologists, giving students a glimpse into exciting new discoveries in molecular biology and new techniques in archaeology.
- ▶ **Digging Deeper** boxes provide a more in-depth look at specific topics in archaeology and paleoanthropology. Select examples include: “Are they Human?” (Chapter 11), which is a critical and integrated interpretation of premodern humans; “Maybe, You Can Take It with You” (Chapter 12), which is a discussion of the amazingly rich graves found in some Upper Paleolithic sites (most notably, Sungir).
- ▶ **Focus Questions** begin each chapter to highlight the chapter’s central topic(s), helping students to keep the ‘big picture’ in mind as they read through the material by providing a framework for understanding the information presented.
- ▶ The **art program** has been significantly re-done, with new eye-catching geographical and topographic maps to enhance the presentation of archaeological finds and their location. New images found throughout the book include new hominid photos, many new non-human primates, new excavation and artifact photos, and much more.
- ▶ Tables that summarize key data include *Some Mendelian Traits in Humans*, (Chapter 3); and *Estimated Body Weights in Early Hominids*, (Chapter 9). **At-a-Glance** features briefly summarize complex material in more visual terms using either a tabular or flowchart format to help students study and prioritize the core concepts of the chapter.
- ▶ A new feature at the beginning of each chapter directs instructors and students to the media products that are relevant for that chapter. This feature complements the **Media Resource** section at the end of the chapter, which reminds students and instructors of the technology tools that are available with the text, technology such as **ThomsonNOW** study plan system, Kappelman’s *Virtual Laboratories for Physical Anthropology CD-ROM*, Ahern’s *Hominid Fossils CD-ROM: An Interactive Atlas*, *Basic Genetics for Anthropology CD-ROM: Principles and Applications*; and the new *Anthropology Resource Center*. Each of these products is designed to help instructors teach concepts visually and can be used inside or outside of class for assignments.
- ▶ *Critical Thinking Questions* at the end of the chapters include questions that can be assigned to help students assess what they have learned.

FEATURES

- ▶ The book provides balanced coverage of physical anthropology and archaeology, including methods, human evolutionary theory, living primates, human adaptation and variation, the origin and dispersal of modern humans, food production, and the first civilizations of the Old and New Worlds.
- ▶ The techniques and methods of contemporary archaeology are presented with a thorough survey of Old and New world sites within their cultural context.
- ▶ A running glossary with bolded key terms, and a cumulative glossary at the end of the book provide students with key terms for understanding concepts while they are reading, as well as an easy way for students to study.
- ▶ End-of-chapter review tools include the **Chapter Summary**, **Critical Thinking Questions**, and a **Media Resources section**.

Lab Manual and Workbook for Physical Anthropology, Sixth Edition 0-495-09399-8

Written by Diane France, this full color lab manual emphasizes human osteology, forensic anthropology, anthropometry, primates, human evolution, and genetics. In addition, it includes a unique chapter of forensics that applies physical anthropology perspectives and techniques to real situations.



New!



ONLINE AND MULTIMEDIA RESOURCES

Premium Online Study Center

Package access to this password-protected, feature-rich site with new copies of the text

This Premium Online Study Center is text-specific and goes beyond simple reiteration, as it takes students to a new level of learning. Some of the chapter resources include:

- ▶ Learning Modules on key Anthropology concepts, such as Remote Sensing and foraging to farming subsistence
- ▶ Animations that help students understand Anthropology ideas, including stratigraphy
- ▶ Interactive Exercises that require students to identify Hominids, taxonomy categories, skeletal anatomy, and much more
- ▶ Map Exercises that show statistics throughout the world and ask students to interact with the data
- ▶ Video Exercises with questions that can be answered and emailed to instructors
- ▶ Tutorial Quizzes with feedback – 30 per chapter
- ▶ Essay Questions that can be answered and emailed to instructors

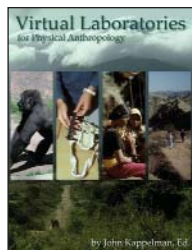
Access to this rich resource is free when packaged with new books.



Kappelman's Virtual Laboratories Physical Anthropology, Version 4.0

Online: 0-495-09609-1
CD-ROM 0-495-00992-X

The new edition of this interactive product provides students with a hands-on computer component for completing lab assignments at school or at home. Through the use of video clips, 3-D animations, sound, and digital images, students can actively participate in 12 labs as part of their physical anthropology course. The labs and assignments teach students how to formulate and test hypotheses with exercises that include how to measure, plot, interpret, and evaluate a variety of data drawn from osteological, behavioral, and fossil materials. The new 4.0 version is offered as either a CD-ROM or a passcode protected website. The website version offers course management to instructors, enabling you to assign only the portions of the labs that you cover in your course and to track student grades.

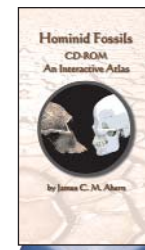


Ahern's Hominid Fossils CD-ROM: An Interactive Atlas

0-534-63841-4

This interactive atlas CD-ROM includes over 75 key fossils important for a clear understanding of human evolution. The QuickTime Virtual Reality (QTVR) "object" movie format for each fossil enables students to have a near-authentic experience of working with these important finds, by allowing them to rotate the fossil 360 degrees. The fossils used are high-quality research casts and real fossils. The organization of the atlas is non-linear, with three levels and multiple paths, enabling students to see how the fossil fits into the map of human evolution in terms of geography, time, and evolution. The CD-ROM offers students an inviting, authentic, learning environment, one that also contains a dynamic quizzing feature that will allow students to test their knowledge of fossil and species identification, as well as provide more detailed information about the fossil record.

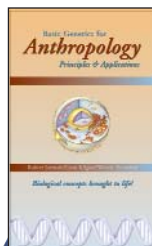
Available packaged at a discount with the text upon request.



Basic Genetics for Anthropology CD-ROM: Principles and Applications

0-495-12120-7

This student CD-ROM will expand on the biological concepts that are covered in the book, focusing on biological inheritance (genes, DNA sequencing, etc.) and applications of that to modern human populations at the molecular level (human variation & adaptation, i.e., to disease, diet, growth & development). Interactive animations and simulations will bring these important concepts to life for students so they can fully understand the essential biological principles required for Physical Anthropology. Also available are quizzes and interactive flashcards for further study. Available at no additional charge when bundled with the text.



InfoTrac® College Edition

You can choose to packaged four months access to **InfoTrac College Edition** with every new copy of this text! This world-class, online university library offers the full text of nearly 10 million articles from almost 5,000 scholarly and popular publications—updated daily and going back as much as 20 years. The diverse range of content includes *USA Today*, *The New York Times*, *Newsweek*, *Australian Journal of Anthropology*, *Current Anthropology*, *Journal of the Royal Anthropological Institute*, *MAN*, *Midcontinental Journal of Archaeology*, and thousands more. Learn more about **InfoTrac College Edition** and see a complete list of publications available at <http://www.infotrac-college.com>.



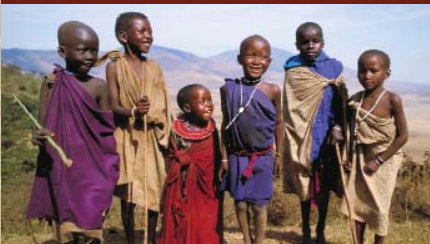
ORDER YOUR REVIEW
COPY TODAY!

Thomson Wadsworth
Source Code 7TPAN009
P.O. Box 6904
Florence, KY 41022

Phone: 1-800-423-0563
Fax: 1-859-647-5020
Email: review@kdc.com

www.thomsonedu.com/anthropology

Due to contractual reasons certain ancillaries are available only in higher education or U.S. domestic markets. Minimum purchases may apply to receive the ancillaries at no charge. For more information, please contact your local Thomson sales representative.

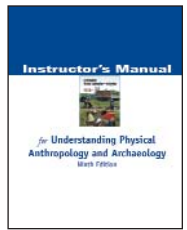


RESOURCES FOR INSTRUCTORS

Instructor's Manual

0-534-62412-X

This manual includes a Resource Integration Guide showing how and where to use various supplements to the text including multimedia, videos, and enrichment material. It includes chapter outlines, learning objectives, key terms and concepts, lecture suggestions and enrichment topics as well as 40-60 test questions per chapter.



Multimedia Manager Instructor Resource CD-ROM for Anthropology

0-534-64141-5

This instructor resource includes book-specific Microsoft® PowerPoint® lecture slides, graphics from the book itself, the Instructor's Manual word documents, the book's Test Bank, dozens of video clips, and links to many of Wadsworth's important anthropology resources. All of your media teaching resources in one place!



JoinIn™ on TurningPoint®

0-495-12902-X

Thomson Wadsworth is now pleased to offer you book-specific JoinIn™ content for Classroom Response Systems tailored to this text, allowing you to transform your classroom and assess your students' progress with instant in-class quizzes and polls. TurningPoint® software lets you pose book-specific questions and display students' answers seamlessly within the Microsoft® PowerPoint® slides of your own lecture, in conjunction with the "clicker" hardware of your choice. Contact your local Thomson representative to learn more.



ExamView® Computerized Testing

0-534-62413-8

Create, deliver, and customize tests and study guides (both print and online) in minutes with this easy-to-use assessment and tutorial system. ExamView offers both a Quick Test Wizard and an Online Test Wizard that guide you step by step through the process of creating tests.



Visual Anthropology Video & Guide

Video: 0-534-56651-0

Guide: 0-534-53932-7

From Documentary Educational Resources and Wadsworth Publishing, this 60-minute video features clips from over 30 new and classic anthropological films. An engaging and effective lecture launcher. To accompany this valuable resource, Wadsworth also offers you a Visual Guide to Anthropology.



ABC® Videos

Launch your lectures with exciting video clips from the award-winning news coverage of ABC. Addressing topics covered in a typical course, these videos are divided into short segments—perfect for introducing key concepts in contexts relevant to students' lives.



AIDS in Africa DVD

0-495-17183-2

Southern Africa has been overcome by a pandemic of unparalleled proportions. This documentary series focuses on the new democracy of Namibia and the many actions that are being taken to control HIV/AIDS. Included in this series are four documentary films created by the Periclean Scholars at Elon University. 1) *Young Struggles*, *Eternal Faith* focuses on caregivers in the faith community. 2) *The Shining Lights of Opuwo* shows how young people share their messages of hope through song and dance. 3) *A Measure of Our Humanity* describes HIV/AIDS as an issue related to gender, poverty, stigma, education, and justice. 4) *You Wake Me Up* is a story of 2 HIV+ women and their acts of courage helping other women learn to survive.



CNN® Videos: Physical Anthropology

Volume IV: 0-534-54176-3 · Volume V: 0-534-62057-4

Volume VI: 0-534-63009-X

Spark a discussion with these exciting videos from CNN and Turner Learning. Supplies limited.

