Smithsonian Series in Archaeological Inquiry

Robert McC. Adams and Bruce D. Smith, series editors

Status and Health in Prehistory

A Case Study of the Moundville Chiefdom

Mary Lucas Powell

Powell evaluates the biological and social dimensions of human adaptation to the Mississippian lifeway at Moundville which served for three centuries as a religious, political, and economic center for much of western Alabama.

6 b&w illus., 18 line drawings, 47 tables 352 pp. Cloth: ISBN 756-2H \$29.95 May 1988

Recently Published

The Archaeology of Western Iran

Settlement and Society from Prehistory to the Islamic Conquest

Frank Hole, editor

39 tables, 90 figs. 332 pp. Cloth: ISBN 526-8H \$49.95

Prehispanic Settlement Patterns in the Lower Santa Valley, Peru

A Regional Perspective on the Origins and Development of Complex North Coast Society

David J. Wilson

Wilson has developed an elegant settlement pattern survey which investigates the relative roles of irrigation agriculture, population growth, and warfare in the development of complex societies.

18 b&w illus., 278 line drawings, 24 tables 528 pp. Cloth: ISBN 984-0H \$55.00 May 1988

Forthcoming, Fall 1988

Stylistic Boundaries among Mobile Hunter-Foragers

C. Garth Sampson

Publisher's ISBN prefix is 0-87474. Please add \$1.75 postage and handling for the first book, \$.50 for each additional book.

Smithsonian Institution Press Blue Ridge Summit, PA 17294-0900 (717)794-2148

Reading the Isotopic Clocks.

our research in age determination and stable isotopes requires reliable data and custom service. Teledyne Isotopes has the expertise and experience to meet these requirements.

We have been pioneers in the industry since 1955 and are the only commercial laboratory that offers all major age determination techniques.

These include:

Radiocarbon

Stable isotopes: $^{13}C/^{12}C \bullet ^{18}O/^{16}O \bullet H/D$

K/Ar • Rb/Sr • U/Pb • Pb/Pb

We can assure you of reliable data because of well-staffed and well-equipped labs, intercalibration with major universities and government facilities, and through use of N.B.S. and international standards.

For the most reliable reading of the isotopic clocks, come to the experts.

**TELEDYNE ISOTOPES

50 Van Buren Avenue Westwood, NJ 07675 201/664-7070



IMPORTANT TITLES FROM

ACADEMIC PRESS

The Horner Site

The Type Site of the Cody Cultural Complex

edited by

George C. Frison and Lawrence C. Todd

A Volume in the STUDIES IN ARCHAEOLOGY Series The prehistoric hunters and gatherers who dominated the high plains area extending from New Mexico to Alberta 8,500 to 10,000 years ago are known to archaeologists as the Alberta-Cody Cultural Complex. This Paleoindian culture was first described and is still best known from the Horner Site in northwestern Wyoming. The Horner Site has been under excavation and analysis by archaeological teams from Princeton University, the Smithsonian Institution, the University of Wyoming and other institutions for most of the past 40 years. This book collects and presents in a uniform format all of the data gathered from the site to date, most of it previously unpublished, reanalyzes the former analyses, and offers new data, studies and interpretations formed in the light of contemporary ar-

In Paperback: \$40.00/ISBN: 0-12-268566-0 Casebound: \$90.00/ISBN: 0-12-268565-2 1987, 586 pages

chaeological method and theory.

Archaeology of the Lower Ohio River Valley

Jon Muller

A Volume in the NEW WORLD ARCHAEOLOGICAL RECORD Series

CONTENTS: Background to the Archaeology of the Lower Ohio Valley. Environments of the Lower Ohio Valley. The First Settlers. Early and Middle Woodland. Late Woodland. Mississippian. Late Mississippi and Historic. References. Index.

In Paperback: \$34.95/ISBN: 0-12-510331-X Casebound: \$71.50/ISBN: 0-12-510330-1 1986, 297 pages

Radiocarbon Dating

An Archaeological Perspective

R.E. Taylor

1987, 212 pages, \$39.50/ISBN: 0-12-684860-2

Regional DynamicsBurgundian Landscapes in Historical Perspective

edited by

Carole L. Crumley and William H. Marquardt

An interdisciplinary team focuses attention on southern Burgundy, France; a heterogeneous region at the crossroads of Europe. **Regional Dynamics** employs archaeological, ethnohistorical, literary, linguistic, economic, ethnographic, and ecological data. The book provides a broad understanding of human decision making and cultural change in one of the world's richest and most complex natural environments, and anticipates a provocative solution to the problem of how regions will respond to profound cultural and environmental change.

In Paperback: \$39.95/ISBN: 0-12-198381-1 Casebound: \$95.00/ISBN: 0-12-198380-3 1987, 623 pages

Advances in Archaeological Method and Theory

Volumes 10 and 11

edited by Michael B. Schiffer

Volume 11

1987, 368 pages, \$69.00/ISBN: 0-12-003111-6

Volume 10

1987, 396 pages, \$65.00/ISBN: 0-12-003110-8 For information on availability of previous volumes contact the Book Marketing Department.

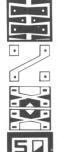
Order from your local bookseller or directly from

ACADEMIC PRESS Harcourt Brace Jovanovich, Publishers

Book Marketing Dept., 1250 Sixth Ave., San Diego, CA 92101 • Call Toll Free 1-800-321-5068

©1988 by Academic Press, Inc. All Rights Reserved.

Prices subject to change without notice. CB/BE-03048



Callachaca

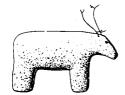
Style and Status in an Inca Community BY SUSAN A. NILES

"The scholarship is superb; [Niles] clearly controls the literature and uses it well. The fieldwork appears excellent as well. . . . I regard this as a real gem: small, brilliant, and valuable. . . . A very well written blend of ethnohistory, archaeology, and ethnography."—Donald E. Thompson ISBN 0-87745-177-X, 107 photographs, 21 maps, 8 drawings, \$28.00

Early Settlement and Subsistence in the Casma Valley, Peru

BY SHELIA POZORSKI AND THOMAS POZORSKI

In this detailed volume, the Pozorskis date each major early site, assess this valley's diet and subsistence changes through time, and begin to reconstruct the development of Casma Valley society. ". . . adds considerably to our knowledge of the prehistory of the Peruvian coast."—Robert A. Feldman ISBN 0-87745-183-4, 39 photographs, 15 maps, 9 drawings, \$20.00



The Cyclades in the Bronze Age

BY R. L. N. BARBER

A complete guide to all aspects of Bronze Age culture in the Cyclades, including the history of explorations, burial customs, metallurgy, obsidian artifacts, and much more. ISBN 0-87745-168-0, 113 photographs, 51 drawings, 4 tables, \$35.00

Cult Archaeology and Creationism

Understanding Pseudoscientific Beliefs about the Past EDITED BY FRANCIS B. HARROLD AND RAYMOND A. EVE

"A most valuable series of approaches from different points of view which carefully examine the climate of opinion in which such cults as creationism are able to flourish. . . . should cause the reader furiously to think."— Ashley Montagu. ". . . a very worthwhile book."—Isaac Asimov ISBN 0-87745-176-1, 39 figures, \$20.00

Travels and Archaeology in South Chile

BY JUNIUS B. BIRD WITH JOURNAL SEGMENTS BY MARGARET BIRD EDITED BY JOHN HYSLOP

Field notebooks and photographs from Bird's 1936 and 1937 excavations, making this primary information available for the first time. "A remarkable book by one of the true geniuses in the field of anthropology during this century." —H. M. Wormington

ISBN 0-87745-202-4, 75 photographs, 29 drawings, 22 tables, \$25.00 Available in May

UNIVERSITY OF IOWA PRESS lowa City, Iowa 52242 (319) 335-8777

We accept Visa & MasterCard



CALL FOR PAPERS

Journal of Quantitative Anthropology

First issue to appear in October 1988

The primary purpose of this quarterly journal is the advancement of quantitative research in anthropology. **JQA** will provide a forum for scientific research, methodological developments, computer applications and other subjects of interest to anthropologists in the traditional subdisciplines of biological/physical anthropology, archeology, and social/cultural anthropology.

Of particular interest will be articles introducing new mathematical and statistical methods, empirical research applying new quantitative or systematic approaches, articles of both theoretical and methodological quantitative interest, and articles involving computer simulation and modeling. We also welcome articles providing qualitative discussions of fundamental analytical problems and theoretical issues.

Send manuscripts (original plus four copies) to:

Editor-in-Chief

Jeffrey C. Johnson

East Carolina University, Inst. for Coastal & Marine Resources Greenville, NC 27858-4353 (919) 757-6220

The journal also has specialized and regional editors

Biological/Physical Anthropology James W. Wood University of Wisconsin, Madison

Social/Cultural Anthropology Malcolm M. Dow Northwestern University Archeology Christopher Carr Arizona State University

International Editor
J. Clyde Mitchell
Nuffield College, Oxford

Requests for detailed Instructions for Authors or free sample copies should be sent to Kluwer Academic Publishers at either of the two following addresses:

101 Philip Dr. Norwell, MA 02061 USA P.O. Box 17 3300 AA Dordrecht The Netherlands



Andalusian Ceramics in Spain and New Spain

A Cultural Register from the Third Century B.C. to 1700 Florence C. Lister & Robert H. Lister

This historical and archaeological study of the Andalusian pottery craft recounts its 1,500-year development, documents its diverse Mediterranean influences, and notes stylistic changes that occurred in the New World. The authors discuss the complete Spanish Muslim potterymaking process, which for the first time introduced kilns, potter's wheels, and formulation of glazes to the Americas. A product of seventeen years of research conducted on five continents, the book is complemented by copious illustrations, appendixes, and a glossary. 411 pages, \$65.00.

The Land of the Cliff Dwellers

Frederick Chapin foreword by Robert H. Lister

One of the most conscientious early explorers of Mesa Verde, amateur archaeologist Frederick Chapin was one of the first outsiders to be shown the newly discovered cliff dwellings by homesteaders who had come across the ruins. He conducted his investigations in 1889 and 1890 and reported his discoveries in this brief work, which includes interpretations of the region's archaeology and history that are still valid today. 190 pages, \$9.95 paper.

The Collapse of Ancient States and Civilizations

Norman Yoffee & George L. Cowgill, eds.

The fall of Rome and Teotihuacan, the collapse of Mesopotamian and Maya civilizations, and the fate of the Han dynasty in China and of various South Asian states are considered here by scholars drawn from anthropology, archaeology, history, sociology, and political science. Factors discussed in the particular studies include invasion by barbarians, centrifugal forces (peripheral areas becoming more powerful than the center), environmental degradation, population pressure, corruption and waste in government, and bureaucratic proliferation. 380 pages, \$35.00.

Pre-Hispanic Occupance in the Valley of Sonora, Mexico

Archaeological Confirmations of Early Spanish Reports William E. Doolittle Anthropological Papers of the Univ. of Arizona

Overturning common misperceptions that northwestern Mexico was inhabited only by the nomadic and barbaric Chichimecs in prehistoric times, Doolittle offers the first systematic assessment of pre-Hispanic settlements and agricultural data in one part of northern Mexico, where a few large towns functioned as centers for numerous, smaller settlements and the orientation of the economy shifted from subsistence to exchange. 96 pages, \$24.95 paper.

Preclassic Maya Pottery at Cuello, Belize

Laura J. Kosakowsky
Anthropological Papers of the Univ. of Arizona.

Excavations conducted from 1974 to 1980 reveal a sequence of architecture and ceramics dating back to 2000 B.C.— the Early Formative Period—and preceding other known radio-carbon dates by more than a thousand years. This study utilizes the type-variety classification for pottery and describes an important set of ceramic data from an otherwise unknown phase of the Preclassic period. 101 pages, \$29.95 paper.

The University of Arizona Press

1230 N. Park #102, Tucson, AZ 85719

New from Cambridge University Press

Maya Postclassic State Formation

Segmentary Lineage Migration in Advancing Frontiers

John W. Fox

A persuasive view of the crucial Classic-Post Classic transition that determined the shape of the later Maya state. Drawing his data from ethnographic analogy and native chronicles as well as archaeology, he identifies segmentary lineage organization as the key to understanding both the political organization and the long distance migrations observed among the Quiche Maya in Guatemala and Mexico.

New Studies in Archaeology
\$44.50

Documentary Archaeology in the New World Mary C. Beaudry, Editor

A fresh approach to the archaeological study of the historic cultures of North America that places history alongside anthropology, cultural geography, and a whole range of cognate disciplines.

New Directions in Archaeology About \$44.50

The Origins and Development of the Andean State Jonathan Haas, Shelia Pozorski and Thomas Pozorski

The work of sixteen leading scholars actively engaged in fieldwork in Peru, this volume brings together recent research on the evolution of civilization in the Andean region of South America.

New Directions in Archaeology \$42.50

New Paperbacks

The Social Life of Things Commodities in Cultural Perspective Arjun Appadurai, Editor

Examines how things are sold and traded in a variety of social and cultural settings, both present and past. Bridging the disciplines of social history, cultural anthropology, archaeology, and economics, the volume marks a major stop in our understanding of the cultural basis of economic life and the sociology of culture.

\$14.95

Ceramic Theory and Cultural Process Dean E. Arnold

"... A well-illustrated and cogently argued discourse on ceramic ecology. In creating it he assembles a world-embracing array of data on clay sources, climate, subsistence practices, workload scheduling, division of labor, social status, and economic complexity. He draws upon general systems theory and a cultural ecological perspective to organize this seemingly diverse array of data and focus them upon the practice of potting."

-American Antiquity

New Studies in Archaeology
About \$15.95

The Evolution of the Polynesian Chiefdoms Patrick Kirch

"...the most comprehensive and analytical review of Polynesian archaeology to appear in the literature so far...a tour-de-force of archaeological scholarship..."—Archaeology Paper about \$14.95

At bookstores or available from

Cambridge University Press

32 East 57th Street, New York, NY 10022.
Cambridge toll-free numbers for orders only:
800-872-7423, outside NY State. 800-227-0247, NY State only.
MasterCard and Visa accepted.

54th ANNUAL MEETING SOCIETY FOR AMERICAN ARCHAEOLOGY

Atlanta Hilton Hotel Atlanta, Georgia Wednesday, April 5-Sunday, April 9, 1989

Annual Meeting Chair: Kenneth L. Kvamme Arizona State Museum University of Arizona

Tucson, AZ 85721

GUIDELINES FOR CONTRIBUTIONS

The privilege of participating in the annual meeting as a presenter, organizer, chair or discussant is restricted to paid-up members. However, representatives of other disciplines or archaeologists who are not North American residents may request a waiver of this requirement.

Society policy states that a person may not deliver more than one paper although that person may, at the same meeting, chair a session or serve as junior author of a paper presented by someone else or serve as a discussant.

Complete symposia proposals (with abstracts of papers), abstracts of contributed papers, abstracts of research reports, and abstracts for poster sessions must reach the program chairperson no later than October 1, 1988. All proposals and abstracts must be submitted on appropriate SAA forms, which are mailed to all SAA members with the ballot.

In case of co-authorship of papers, only the senior author should submit a Participant Information Form containing the information on all of the associated authors. The Participant Information Form is in two parts: Page One (Submission Information) and Page Two (Short Abstract Information). Copies of the Participant Information Form must be submitted by all participants including symposia organizers, chairs and discussants as well as all senior authors of symposia papers, contributed papers, research reports and posters.

Because it is no longer possible to accommodate all individuals wishing to make presentations at the annual meeting, the Program Committee will evaluate each submission for professionalism and redundancy with other submissions. Symposia organizers and authors of contributed papers, research papers, and poster sessions will be notified of the Program Committee's decision to accept or decline the submission by January 15, 1989. Abstracts of all papers, research reports, and posters accepted for presentation will be published in the final program.

SYMPOSIA—A symposium consists of a group of papers on a common theme. The symposium topic and the individual papers within it will be reviewed. Changes, such as consolidation of two symposia or changes in the individual papers, may be recommended. Symposia organizers should contact the Program Chair no later than September 1, 1988 in order that the *Guidelines for Symposium Organizers* and a special symposium form can be sent to them. Complete symposia proposals must be submitted as a package by the symposium organizer(s) and must be received by October 1, 1988.

The package must include two (2) copies of the *Symposium Proposal Form* and two (2) copies of the *Participant Information Form* for each senior author, discussant, chair, and organizer (whether or not the organizer is chairing the symposium). The organizer(s) should assure that all participants submit the *Advance Registration Form* and meeting fee before *March 13*, 1989. Participants who do not prepay the *Advanced Registration Fee* will be dropped from the symposium.

CONTRIBUTED PAPERS (20 minutes)—Contributed papers are to be distinguished from Research Reports in that they generalize, synthesize, or compare and are addressed to problems of theory, method, culture history, or culture process. Contributed papers must follow the same format as the symposia papers, and each proposed presentation must include two (2) copies of the *Participant Information Form* (Page One—Submission Information Form and Page Two—Short Abstract Form).

RESEARCH REPORTS (10 minutes)—A research report is a presentation which describes the results of a recent field or laboratory research project. Each proposed presentation must include two (2) copies of the *Participant Information Form* (Page One—Submission Information Form and Page Two—Short Abstract Form).

POSTER SESSION—Like the research report, the poster session is a description of the results of a recent field or laboratory research project. The poster session is especially appropriate for research results that can be described graphically better than verbally. Each proposed presentation must include two (2) copies of the *Participant Information Form* (Page One—Submission Information Form and Page Two—Short Abstract Form).

REGISTRATION FEES:

All presenters, chairs, discussants, and poster contributors are required to pay the established registration fee for the annual meeting. The fee must accompany the *Advanced Registration Form* and must be received by the SAA Washington Office no later than March 13, 1989. Individuals who fail to meet this deadline will be dropped from the Final Program. The registration fee may be waived upon written request (see paragraph one).

CONTENTS

OBITUARY		
Roy Selman Dickens, Jr., 1938-1986	H. Trawick Ward and R. P. Stephen Davis, Jr.	227
ARTICLES		
Coming into the Country: Early Paleoindian Hunting and Mobility Archaeological Visibility and the Underclass of Southwestern Prehistory	Robert L. Kelly and Lawrence C. Todd	231
Early Archaic Settlement in the	Steadman Upham	245
Southeastern United States: A Case Study from the Savannah River Valley Myth, Environment, and the Orientation	David G. Anderson and Glen T. Hanson	262
of the Templo Mayor of Tenochtitlan	A. F. Aveni, E. E. Calnek, and H. Hartung	287
REPORTS		
The Treatment of Human Remains on Navajo Lands Stable Carbon- and Nitrogen-Isotope Ratios of Bone Collagen Used to	Anthony L. Klesert and Michael J. Andrews	310
Study Coral-Reef and Terrestrial Components of Prehistoric Bahamian Diet Content, Provenience, and Significance of the Codex Vergara and the Códice de	William F. Keegan and Michael J. DeNiro	320
Santa María Asunción Tenam Rosario—A Political Microcosm The Paleoindian Component at Charlie Lake Cave (HbRf 39), British Columbia	Barbara J. Williams and H. R. Harvey Olivier de Montmollin	33° 35°
	Knut R. Fladmark, Jonathan C. Driver, and Diana Alexander	371
ADDENDUM	Sharon L. Brock	385
COMMENTS		
A Phonetic Version of the Maya Glyph for North A Phonetic Glyph for Zenith: Reply to Closs Reply to: A Phonetic Version of the Maya Glyph for North Response to Coggins and Bricker	Michael P. Closs Victoria R. Bricker	386 394
	Clemency Chase Coggins Michael P. Closs	402 402
CURRENT RESEARCH, edited by Thomas F. Lynch		
Far North, Northwest, California and the Great Basin		412
DEVIEWS AND BOOK NOTES - 14-1 by Suren C. V.	1.11	40