### THE FIRST TEN YEARS OF SOUTH CAROLINA ANTIQUITIES 1969 - 1978

**THE FIRST TEN YEARS** is a complete volume of the journal of the Archeological Society of South Carolina, Inc. from 1969 through 1978. It also includes additional, unpublished articles on South Carolina archeology and selected articles of lasting value from the newsletter of the Society, *Features & Profiles*. Several appendices have been included for added references to work done in South Carolina. All together, it is a major reference volume on South Carolina archeology.

**SOUTH CAROLINA ANTIQUITIES**, the scholarly journal of the Society, includes original articles dealing with prehistoric and historic archeology. It also includes articles reporting work done in physical anthropology, ethnology, theory, methodology and related work in history and geology. The proceedings, programs and abstracts of the Annual Conferences on South Carolina Archeology are included.

**THE SOCIETY** is sponsored by the South Carolina State Archeologist and it is closely affiliated with the Institute of Archeology and Anthropology at the University of South Carolina. The complete titles in the Institute's *Research Manuscript Series* and descriptions of the Institute's *Anthropological Studies* publications are given — both invaluable original source materials for South Carolina archeology and anthropology. The Society is an association of both professional and avocational archeologists as well as concerned citizens, all dedicated to the preservation of our cultural heritage. Contributions to the journal during its first ten years reflect the varied interests of these differing but united groups — all dedicated to scholarly research.

**THIS CUMULATIVE VOLUME** is being offered on a subscription basis. Please use the form below to order your copy now. Your immediate attention is requested to reserve your copy. Now in press as limited edition.

#### A MAJOR REFERENCE VOLUME ON SOUTH CAROLINA ARCHEOLOGY

Introduction by S. C. State Archeologist. Contents, Extensive Bibliographies, Index 67 Articles, 10 Abstracts, 5 Book Reviews, 14 Appendices, 560 Pages + xxii, 163 Figs. With Proceedings/Programs from the Annual Conferences on South Carolina Archeology Appendixes listing titles and sources of recent publications reporting original archeological research in South Carolina Biographical Sketches of the Contributors / Lists of Officers and Directors

South Carolina Underwater Salvage Law and Regulations for Divers in SC THE COMPLETE FIRST TEN YEARS OF SOUTH CAROLINA ANTIQUITIES!

#### ORDER FORM

I wish to reserve \_\_\_\_\_\_ copies of THE TEN FIRST YEARS OF SOUTH CAROLINA ANTIQUITIES: 1969-1978. Orders must include check or money order payable to "ASSC – TEN YEARS" (price per copy is \$19.00 / add \$1.00 for postage and handling per copy). Total enclosed is \$\_\_\_\_\_\_.

#### PLEASE PRINT OR TYPE

ZIP

Name/Title\_ Address \_\_\_\_ City \_\_\_\_\_ State\_\_\_\_

> Wayne Neighbors, Editor Archeological Society of S. C., Inc. Institute of Archeology and Anthropology University of South Carolina Columbia, South Carolina 29208 U.S.A.

> > 651

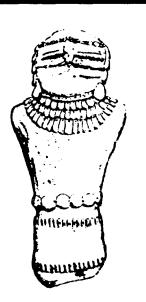
## Fremont Perspectives Volume VII

of

### **Antiquities Section Selected Papers**

This collection of papers consists of the most current and occasionally controversial assessments of the Fremont, a culture that inhabited the Great Basin and Colorado Plateau between A.D. 400 and A.D. 1300. Papers range from descriptive works on lithics and architecture to the theoretical implications of various schemes which have been used to classify the Fremont. (\$6.50 postpaid)

Antiquities Section Selected Papers is a publication of the antiquities section of the Utah State Historical Society. Although it is specifically geared to Utah archeology and paleontology, it also includes papers from adjacent geographical areas and from ancillary disciplines relevant to the understanding of local archeological and paleontological problems. A cumulative index is available free on request.



UTAH STATE HISTORICAL SOCIETY / 307 WEST 2ND SOUTH / SALT LAKE CITY, UTAH 84101

1	Radiocarbon		
Anr	nounces the publication of the		
Р	roceedings of the 10th		
Internati	onal Radiocarbon Confe	rence	
Bern/Heidelberg, 19-26 August 1979			
	_ copy(ies) of the Proceedings, Volume 22		
Nos. 2 & 3, 1980 @	\$35.00		
Nos. 2 & 3, 1980 @	\$35.00 subscription to Radiocarbon for 1980 (Nos. Individuals \$40.00		
Nos. 2 & 3, 1980 @	\$35.00 subscription to Radiocarbon for 1980 (Nos.		
Nos. 2 & 3, 1980 @	\$35.00 subscription to Radiocarbon for 1980 (Nos Individuals \$40.00		
Nos. 2 & 3, 1980 @ or please enter my s My check is enclos	\$35.00 subscription to Radiocarbon for 1980 (Nos. Individuals \$40.00 Institutions \$60.00		

# **RADIOCARBON DATING**

A new laboratory with 40 years experience

J. J. Stipp

M. A. Tamers



UNIVERSITY BRANCH, P. O. Box 248113 Coral Gables, FL 33124 (305) 823-1441

## NORTH AMERICAN ARCHAEOLOGIST

A new journal from the publishers of Abstracts in Anthropology

The only general journal dedicated solely to North America, with total coverage of archaeological activity in the USA, Canada, and northern Mexico, surveys all aspects of prehistoric and historical archaeology within an evolutionary perspective. It will incorporate the results of Cultural Resource Management and work within state and regional societies along with the more traditional academicmuseum research activities.

Volume 1 (2 issues) Institutional Subscription: \$25.00 Personal Subscription: \$15.00 (Paid by personal check and mailed to a private address

Subscription by volume only Add \$3.00 postage outside the U.S. and Canada

# Archaeological Perspectives on Ethnicity in

America: Afro-American and Asian American Culture History

The first in the Baywood Monographs on Archaeology Series brings together contributions by several different scholars who have widened their research horizons to include cultural aroups so frequently omitted in American documentary history: (New York Residents add sales tax) Black Americans and Chinese Americans.

Edited by Robert L. Schuyler

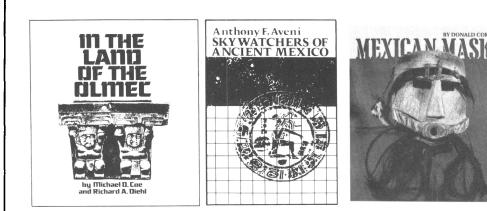
 $6^{\prime\prime} \times 9^{\prime\prime}$  160 pp.; Soft Cover \$6.00 Prepaid (Please add 75¢ postage)

## BAYWOOD PUBLISHING COMPANY, INC.

120 Marine Street / P.O. Box D Farmingdale, NY 11735

rices subject to change without notice. Payment must be made in U.S. Dollars drawn on a U.S. Bank, Visa Master Charae Credit Cards accepted.

653



#### In the Land of the Olmec VOLUME 1. THE ARCHAEOLOGY OF SAN LOBENZO TENOCHTITLAN **VOLUME 2. THE PEOPLE OF THE RIVER**

By Michael D. Coe and Richard A. Diehl

In the Land of the Olmec presents the results of a large-scale expedition to explore the age and nature of the Olmec, Mesoamerica's first complex society. Reports on landscape, excavations, magnetometry, ceramics, lithics, monuments, faunal remains, radiocarbon samples, and petrography in volume 1 provide data to begin to explain why and how Olmec civilization first arose here. Volume 2 presents one of the most detailed investigations yet carried out of human adaptation to the New World tropics.

684 pages, 1575 line drawings, 19 color plates, 327 b&w photos, 14 maps, 68 tables \$80.00. August

### Mexican Masks

By Donald Cordry

This magnificent book preserves the crucial link to Mexico's past represented by Indian ritual dance masks. It contains a wealth of information about mask-making and mask use, describing materials and techniques, regional and ethnic variations, and shamanistic, symbolic, and social functions. Each of the hundreds of illustrations is accompanied by a detailed description.

304pages, 201 color and 84 b&w plates, 28 line drawings, 2 maps \$39.95, May

### Skywatchers of Ancient Mexico By Anthony F. Aveni

Combining as it does the romance of space with the mystery of the past, the study of pre-Columbian skywatchers of the New World has drawn increasing scientific and popular attention in recent years. Aveni, one of the pioneers in this new interdisciplinary field, couples basic astronomy with archaeological and ethnological data to synthesize what is known of ancient astronomy in this hemisphere.

360 pages, 26 tables, 116 figures, 1 map \$25.00 (tentative), August

## Handbook of Latin American Studies

Edited by Dolores Moyano Martin

Beginning with volume 41, the University of Texas Press will become the publisher of the Handbook of Latin American Studies, the most comprehensive bibliography in the field. This volume is a selective quide to the most recent materials on Latin America published in the social sciences, including anthropology and archaeology.

850 pages, \$55.00, August

### **Development and Management** of Research Groups

A GUIDE FOR UNIVERSITY RESEARCHERS By Robert V. Smith

A step-by-step guide for the professorial researcher-manager in any field. 103 pages; \$10.95, cloth; \$7.95, paper; May



University of Texas Press BOX 7819 AUSTIN, TEXAS 78712 Enclose this ad with your order for a 20% discount. Texas residents add 5% sales tax.

## Three volumes in the STUDIES IN ARCHAEOLOGY Series

## **GUITARRERO CAVE**

Early Man in the Andes

Edited by THOMAS F. LYNCH

Here is a unique synthesis of research by natural scientists and archaeologists, which defines the human ecology of a high Peruvian intermontane valley at the close of glacial times. The authors illustrate how the first settlers utilized the exotic plants and animals, thus spurring the development of America's most distinctive agricultural system. The studies constitute a remarkable exposition of the methods of environmental archae-

ology and natural science applied to the critical Andean area. This important record of the transition from hunting and gathering to an agriculturally based civilization has implications for the interpretation of New World cultural history, especially in the realms of technology, subsistence systems, and the environment.

1980, 344 pp., \$20.00 ISBN: 0-12-460580-X

## MODELING CHANGE IN PREHISTORIC SUBSISTENCE ECONOMIES

Edited by TIMOTHY K. EARLE and ANDREW L. CHRISTENSON

CHAPTER HEADINGS: T. K. Earle, A Model of Subsistence Change. A. L. Christenson, Change in the Human Food Niche in Response to Population Growth. H. A. Hespenheide, Comment: Ecological Models of Resource Selection. C. A. Hastorf, Changing Resource Use in Subsistence Agricultural Groups of the Prehistoric Mimbres River Valley, New Mexico. S. Botkin, Effects of Human Exploitation of Shellfish Populations at Malibu Creek, California. V. A. Reidhead, The

Economies of Subsistence Change: A Test of an Optimization Model. *G. Coombs*, Decision Theory and Subsistence Strategies: Some Theoretical Considerations. *S. W. Green*, Broadening Least-Cost Models for Expanding Agricultural Systems. *A. L. Christenson*, Subsistence Change: Bibliographic Overview. Index. Each chapter contains references.

1980, 288 pp., \$24.50 ISBN: 0-12-227850-X

## **PREHISTORIC HUNTERS OF THE HIGH ANDES**

#### By JOHN W. RICK

This is an examination of the adaptations made by the people who dwelt on the high, cold, windswept grasslands of the Peruvian puna for at least 10,000 years. Their life was quite unlike that of any of the ethnographically known huntergatherers of the Artic or desert. Their documentation adds considerably to our knowledge of the

Future volumes in STUDIES IN ARCHAEOLOGY are now available on a Continuation Order basis. Your Continuation Order authorizes us to ship and bill each future volume in the series autopossibilities of human adaptation.

Chapters on botanical remains by Deborah Pearsall, paleoclimate by H. E. Wright, and obsidian source analysis by Richard Burger make important contributions to prehistoric Andean ecology. 1980, 384 pp., \$27.50 ISBN: 0-12-587760-9

matically, immediately upon publication. This order will remain in effect until cancelled. Specify the volume number or title with which your order is to begin.

## **VOLCANIC ACTIVITY AND HUMAN ECOLOGY**

Edited by PAYSON D. SHEETS and DONALD GRAYSON

A study combining archaeology, geography, and geology, Volcanic Activity and Human Ecology examines the effects of volcanic activity on human societies. Specific cases from the past and present illustrate both detrimental and beneficial consequences of volcanic events. Introductory chapters explore volcanic eruptions, subsequent changes in soil formation, and the recently initiated disaster research undertaken by social scientists. The book goes on to discuss necessary adaptations undergone by people inhabiting volcanically active regions. Case studies of volcanic eruptions that evoked major, long-term repercussions are examined equally with those that were short lived. *Volcanic Activity and Human Ecology* closes with an essay assessing the state of the field and suggesting directions for future research. Anthropologists, archaeologists, geologists, and geographers alike will find this volume beneficial. 1979, 672 pp., \$53.50 ISBN: 0-12-639120-3

Send payment with order and save postage and handling charge. Prices are subject to change without notice.

## Academic Press, Inc.

A Subsidiary of Harcourt Brace Jovanovich, Publishers 111 FIFTH AVENUE, NEW YORK, N.Y. 10003 24-28 OVAL ROAD, LONDON NW1 7DX

655

#### P The Society for American Archaeology introcommentaries offer critical perspectives on the apduces the first volume of its special publication proaches covered in the papers. series, SAA Papers. SAA Papers I provides an in-The volume includes papers by: Robert L. Rands and Ronald L. Bishop; Ronald L. Bishop; Prudence depth study of intraregional exchange of ceramics M. Rice; Lawrence P. Allen; H. Wolcott Toll, Thomas in Mesoamerica and the American Southwest. The eight papers in this volume address three C. Windes, and Peter J. McKenna; Haree L. Deutchcommon themes: the approaches and techniques man; Stephen Plog; Robert E. Fry. useful in discriminating different production Commentaries are contributed by Dean E. Arnold and Ian Hodder centers; the characterization of the structure of Series editors: Steven LeBlanc, Christopher localized exchange systems; and the strategies used by local communities and social groups. Two Peebles, Polly Bickel, Jeremy Sabloff. Please include payment with order Available June 1980 160 pages SAA members: \$5.95 Nonmembers: \$7.95 43 illustrations Society for American Archaeology 1703 New Hampshire Ave., N. W. Washington, DC 20009 edited by Robert E. Fry

### ANNOUNCEMENTS

The Society for American Archaeology has recently formed a committee on Public Education. The preliminary goals of this committee will be to identify various mechanisms which may be appropriate for communicating to several disparate audiences. Sources of funding or other support will be sought to begin implementing the most appropriate mechanisms. Each member of the committee is assigned a specific audience with continuous internal communication regarding each committee member's progress. This internal communication will be accomplished by general memoranda to all committee members. The following individuals are members of this committee: Nancy Brennan (the museum community and the museum audience), Sarah Bridges (Federal employees), Michael E. Roberts (chair), Carol Spears (secondary schools, secondary school educators, and retireds), Bob Stephenson (the uninterested general public), and Leslie Wildesen (the amateur community).

If any member of the Society has recommendations or suggestions for reaching out to these or other audiences, would you please forward such information to Michael E. Roberts, Chair, Committee on Public Education, Peabody Museum, 11 Divinity Avenue, Cambridge, Massachusetts 02138.

\* \* \* \* \* \* \* \* \*

All members of the Society are reminded that the Anthropology Newsletter is willing to publish news items of general interest to archaeologists. Please send appropriate materials to Edward J. Lehman, Anthropology Newsletter, American Anthropological Association, 1703 New Hampshire Avenue, N.W., Washington, D.C. 20009.

#### **IMPORTANT ANNOUNCEMENT**

As of July 1, 1980, all manuscripts and all correspondence of an editorial nature should be addressed to:

Professor Dena Dincauze, Editor AMERICAN ANTIQUITY Machmer Hall Department of Anthropology University of Massachusetts Amherst, MA 01002

### SOCIETY FOR AMERICAN ARCHAEOLOGY CALL FOR NOMINATIONS SOCIETY ELECTIONS, 1981

The Society for American Archaeology will hold its annual elections for the following offices:

President-Elect (2 years)-succeeds to the office of President

for a 2-year term (1983-1985).

Executive Committee, Place 1-2-year term (1981-1983).

Executive Committee, Place 2-2-year term (1981-1983).

The Chairperson of the Nominating Committee for the 1981 elections is Barbara Stark, Department of Anthropology, Arizona State University, Tempe, AZ 85281. The other members are C. Melvin Aikens, Department of Anthropology, University of Oregon, Eugene, OR 97403, and Linda S. Cordell, Department of Anthropology, University of New Mexico, Albuquerque, NM 87131.

The elections will be held in April 1981. Members are urged to participate by suggesting names of candidates to any member of the committee before November 1, 1980.

#### 46TH ANNUAL MEETING SOCIETY FOR AMERICAN ARCHAEOLOGY

San Diego Convention Center San Diego, California Wednesday, April 29 to Saturday, May 2, 1981

Annual Meeting Chairperson: Reynold J. Ruppe, Department of Anthropology, Arizona State University, Tempe, AZ 85281.

See the April 1980 issue of American Antiquity for full details of the 1981 Annual Meeting.

### **CONTENTS**

EDITOR'S CORNER	Jeremy A. Sabloff	403
Toward a More Behavioral Approach to Archaeological Lithic Concentrations The Northeast Petén Revisited	George Hamley Odell Don S. Rice and Prudence M. Rice	404 432
The Implications of Nahua (Aztecan) Lexical Diversity for Mesoamerican Culture-History Future Trends in Computer Applications	Alvin H. Luckenbach and Richard S. Levy Sylvia W. Gaines and Warren M. Gaines	455 462
OBITUARIES		
Charles E. Borden, 1905–1978 Lyndon Lane Hargrave, 1896–1978	Alan L. Bryan Walter W. Taylor and Robert C. Euler	472 477
REPORTS		
Spiral Fractures and Bone Pseudotools at Paleontological Sites	Thomas P. Myers, Michael R. Voorhies, and R. George Corner	483
Discard Location: The Ethnographic Data An Objective Test of the Effects of Heat Treatment of Flakeable Stone	Priscilla Murray Peter Bleed and Marlene Meier	490 502
Archaeomagnetic Dating in the American Southwest	Jeffrey L. Eighmy, Robert S. Sternberg, and Robert F. Butler	507
Demographic Structure of Pecos Indians: A Model Based on Life Tables Trends in North American Rock Art Research: A	Charles M. Mobley	518
Quantitative Evaluation of the Literature	Klaus F. Wellmann	531
Trace Element Analysis of Obsidian Artifacts from Three Shell Midden Sites in the Littoral Zone, Chiapas, Mexico	Fred W. Nelson and Barbara Voorhies	540
CULTURAL RESOURCE MANAGEMENT		
A Response to Reab and Klinger on Archaeological Site Significance Mark	R. Barnes, Alton K. Briggs, and Jerry J. Neilsen	551
Archaeological Significance and the National Register: A Response to Barnes, Briggs, and Neilsen	Timothy C. Klinger and L. Mark Raab	554
CURRENT AFFAIRS COMMENTARY		
Implementing the UNESCO Convention: A Challenge for Archaeologists Further Comment by the Associate Editor	Karen D. Vitelli Charles R. McGimsey, III	558 561
		001
COMMENTS Comment upon the Economic Potential of Fish Utilization		
in Riverine Environments and Potential Archaeological Biases Systems in Archaeology: A Comment on Salmon Reply to Lowe and Barth	Adam G. Garson John W. G. Lowe and Robert J. Barth Merrilee H. Salmon	562 568 575
Is It Really that Old? A Comment about the Meadowcroft Rockshelter "Overview"	Jim I. Mead	579
Paleoindian Charcoal from Meadowcroft Rockshelter: Is Contamination a Problem?	C. Vance Haynes	582
Yes Virginia, It Really Is that Old: A Reply to Haynes and Mead J. M. A.	dovasio, J. D. Gunn, J. Donahue, R. Stuckenrath,	
Comments on the Analogy between Biological and Cultural Evolution Do You See Yonder Cloud that's Almost in the Shape of a Camel?	J. E. Guilday, and K. Volman Stuart M. Peters	588 596
Reply to Peters Cultural and Scientific Evolution: Some Comments on "The Decline	Norman Yoffee	601
and Rise of Mesopotamian Civilization''	Robert C. Dunnell and Robert J. Wenke	605
Honk If You Know Darwin: Brief Reply to Dunnell and Wenke If You've Nothing Better to Do, Honk	Norman Yoffee Robert C. Dunnell and Robert J. Wenke	610 612
CURRENT RESEARCH		614
REVIEWS		
Hammond (editor): Social Process in Maya Prehistory: Studies in Honour of Sir Eric Thompson Brose (editor): The Late Prehistory of the Lake Erie Drainage Basin	Payson D. Sheets	633
A 1972 Symposium Revised Dolukhanov: Ecology and Economy in Neolithic Eastern Europe	John R. Halsey Sarunas Milisauskas	635 637
Carter (editor): Archaeological Chemistry II Ford (editor): The Nature and Status of Ethnobotany Furst: Codex Vindobonensis Mexicanus I: A Commentary	Ronald L. Bishop Vorsila L. Bohrer Bruce Ross	638 639 640
Grebinger (editor): Discovering Past Behavior: Experiments in the Archaeology of the American Southwest Deetz: In Small Things Forgotten, The Archaeology of Early American	n Life Bruce E. Rippeteau	642 643
Trigger: The Children of Aataentsic: A History of the Huron People to 1660	Richard B. Johnston	645
Kramer (editor): Ethnoarchaeology: Implications of Ethnography for Archaeology	Michael B. Stanislawski	647
Hawke-Smith: Man-Land Relations in Prehistoric Britain. The Dove-Derwent Interfluve, Derbyshire	Stig Welinder	649
SAA ANNOUNCEMENTS		656