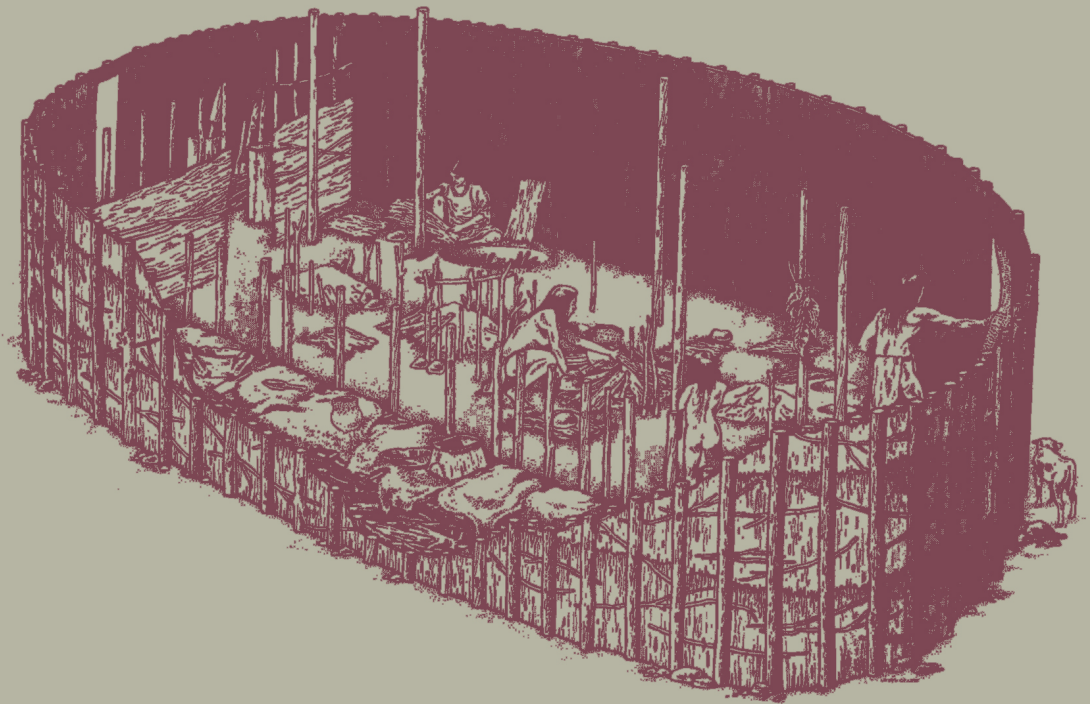


# AMERICAN ANTIQUITY

JOURNAL OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY



VOLUME 55 NUMBER 1

JANUARY 1990

- President:* JEREMY A. SABLOFF, Department of Anthropology, University of Pittsburgh, Pittsburgh, PA 15260.
- President-elect:* PRUDENCE M. RICE, Florida Museum of Natural History, Department of Anthropology, University of Florida, Gainesville, FL 32611.
- Secretary:* LYNNE GOLDSTEIN, Department of Anthropology, University of Wisconsin-Milwaukee, WI 53201.
- Treasurer:* MARK P. LEONE, Department of Anthropology, University of Maryland, College Park, MD 20742.
- Editor-elect:* J. JEFFERSON REID, Department of Anthropology, University of Arizona, Tucson, AZ 85721.
- Editor:* W. RAYMOND WOOD, Department of Anthropology, University of Missouri, Columbia, MO 65211.
- Executive Board Members:* ROBERT L. BETTINGER, Department of Anthropology, University of California-Davis, Davis, CA 95616; MARGARET W. CONKEY, Department of Anthropology, University of California, Berkeley, CA 94720; BRIAN M. FAGAN, Department of Anthropology, University of California, Santa Barbara, CA 93106; MARK J. LYNOTT, Midwest Archeological Center, National Park Service, Federal Building, Room 474, 100 Centennial Mall North, Lincoln, NE 68508.
- Executive Director:* JEROME A. MILLER, Society for American Archaeology, 808 17th St., N.W., Suite 200, Washington, DC 20006.
- General Counsel:* RICHARD A. FULTON, White, Fine & Verville, Washington, DC.

#### EDITORIAL STAFF OF AMERICAN ANTIQUITY

- Editor:* W. RAYMOND WOOD, Department of Anthropology, University of Missouri, Columbia, MO 65211.
- Associate Editor:* MICHAEL J. O'BRIEN, Department of Anthropology, University of Missouri, Columbia, MO 65211.
- Associate Editor for Reviews and Book Notes:* SUSAN C. VEHIK, Department of Anthropology, University of Oklahoma, Norman, OK 73019.
- Associate Editor for Current Research:* THOMAS F. LYNCH, Department of Anthropology, Cornell University, Ithaca, NY 14853.
- Associate Editor for Obituaries:* LARRY J. ZIMMERMAN, Department of Social Behavior, University of South Dakota, Vermillion, SD 57069.
- Consulting Editor for Mathematics and Statistics:* STEPHEN E. PLOG, Department of Anthropology, University of Virginia, Charlottesville, VA 22903.
- Managing Editor:* TERESITA MAJEWSKI.
- Editorial Assistant:* CHRISTOPHER B. PULLIAM.

AMERICAN ANTIQUITY (ISSN 0002-7316) is published quarterly in January, April, July, and October. Subscription is by membership in the Society for American Archaeology, 808 17th St., N.W., Suite 200, Washington, DC 20006. Annual dues for individual U.S. and Canadian members are \$75.00; institutional subscribers \$100.00; students \$37.00; retired (over 65) \$40.00; foreign members \$60.00. Annual membership dues include \$25.00 for the subscription to *American Antiquity*. Spouses of members are eligible for joint memberships at \$15.00 per year (subscription not included). *American Antiquity* is not available for exchange. Address requests for individual or institutional memberships, instructions for changes of address, and orders for back issues to: Society for American Archaeology, 808 17th St., N.W., Suite 200, Washington, DC 20006. Claims for non-receipt and for damaged copies must be made within 90 days (U.S.) or 180 days (non-U.S.) of the publication date for free replacement. Non-U.S. deliveries cannot be guaranteed; non-U.S. members and subscribers may purchase replacement copies at a 20% discount. *American Antiquity* is printed at The Allen Press, Lawrence, Kansas 66044.

Second class postage paid at Washington, DC and additional mailing offices. POSTMASTER: Send address changes to *American Antiquity*, % Society for American Archaeology, 808 17th St., N.W., Suite 200, Washington, DC 20006.

#### NOTICE TO AUTHORS

*American Antiquity* publishes papers on the archaeology of the Western hemisphere and closely related subjects. Material for the Articles, Reports, Forum, and Comments sections should be submitted to the Editor, publications for review to the Associate Editor for Reviews and Book Notes, and information for Current Research to the Associate Editor for Current Research. Authors should submit an original and four copies of their manuscripts. A detailed guide to stylistic and technical matters of manuscript preparation appeared in April, 1983 (vol. 48, no. 2); for additional information or clarification contact the managing editor.

# AMERICAN ANTIQUITY

VOLUME 55 NUMBER 1 JANUARY 1990

W. Raymond Wood, *Editor*

*Associate Editors:* Susan C. Vehik (*Reviews and Book Notes*),  
Thomas F. Lynch (*Current Research*), Larry J. Zimmerman (*Obituaries*),  
and Michael J. O'Brien

*Managing Editor:* Teresita Majewski  
*Editorial Assistant:* Christopher B. Pulliam

## CONTENTS

Editors' Corner	<i>J. Jefferson Reid and W. Raymond Wood</i>	5
OBITUARY		
Tatiana Proskouriakoff, 1909–1985	<i>Ian Graham</i>	6
ARTICLES		
Glacial-Age Man in South America? A Critical Review	<i>Thomas F. Lynch</i>	12
Island Carib Origins: Evidence and Nonevidence	<i>Dave D. Davis and R. Christopher Goodwin</i>	37
The Spatial Dynamics of Ontario Iroquoian Longhouses	<i>Mima Kapches</i>	49
From Twining to Triple Cloth: Experimentation and Innovation in Ancient Peruvian Weaving (ca. 5000–400 B.C.)	<i>S. J. Doyon-Bernard</i>	68
REPORTS		
An Instance of Rapid Ceramic Change in the American Southwest	<i>Barbara K. Montgomery and J. Jefferson Reid</i>	88
Diagnostic Opal Phytoliths from Pods of Selected Varieties of Common Beans ( <i>Phaseolus vulgaris</i> )	<i>Steven R. Bozarth</i>	98
Identification of the Species of Origin of Residual Blood on Lithic Material	<i>D. C. Hyland, J. M. Tersak, J. M. Adovasio, and M. I. Stegel</i>	104
A Mammoth-Ivory Semifabricate from Blackwater Locality No. 1, New Mexico	<i>Jeffrey R. Saunders, C. Vance Haynes, Jr., Dennis Stanford, and George A. Agogino</i>	112
The Provincial Organization of Inka Ceramic Production	<i>Terence N. D'Altroy and Ronald L. Bishop</i>	120
Cacao Residues in Ancient Maya Vessels from Rio Azul, Guatemala	<i>Grant D. Hall, Stanley M. Tarka, Jr., W. Jeffrey Hurst, David Stuart, and Richard E. W. Adams</i>	138
Obsidian Sources and Elemental Analyses of Artifacts in Southern Mesoamerica and the Northern Intermediate Area	<i>Payson Sheets, Kenneth Kirth, Fred Lange, Fred Stross, Frank Asaro, and Helen Michel</i>	144

*American Antiquity* is indexed in the *Humanities Index* and in *Anthropological Literature*. Articles appearing in this journal are annotated and indexed in *Historical Abstracts* and in *America: History and Life*.

Copyright © 1990 by the Society for American Archaeology. All rights reserved.

ISSN 0002-7316

COMMENTS

More (Or Less) on Iroquoian Stemware

*Peter G. Ramsden and William R. Fitzgerald* 159

The Stem of the Matter: Reply to Ramsden and Fitzgerald

*Martha A. Latta* 162

CURRENT RESEARCH, edited by Thomas F. Lynch

Caribbean, The Amazon, Eastern Brazil, and the Orinoco, Andean South America, Southern Cone

166

REVIEWS AND BOOK NOTES, edited by Susan C. Vehik

185

Reviews

Hugill and Dickson (editors): The Transfer and Transformation of Ideas and Material Culture

*Robert C. Dunnell* 185

Shanks and Tilley: Social Theory and Archaeology

*David J. Meltzer* 186

Kelley and Hanen: Archaeology and the Methodology of Science

*Guy Gibbon* 188

Leute: Archaeometry: An Introduction to Physical Methods in Archaeology and the History of Art

*John Weymouth* 189

Osborn and Hassler (editors): Perspectives on Archaeological Resources Management in the Great Plains

*Jeffrey L. Eighmy* 190

Fagan: The Great Journey: The Peopling of Ancient America

*Donald K. Grayson* 190

Nicholas (editor): Holocene Human Ecology in Northeastern North America

*Jordan E. Kerber* 191

Isaac (editor): Prehistoric Economies of the Pacific Northwest Coast

*Frank C. Leonhardy* 193

Arnold: Craft Specialization in the Prehistoric Channel Islands, California

*John E. Clark* 193

Wilk and Ashmore (editors): Household and Community in the Mesoamerican Past

*William T. Sanders* 194

Davies: The Aztec Empire: The Toltec Resurgence

*John K. Chance* 195

Josserand and Dakin (editors): Smoke and Mist: Mesoamerican Studies in Memory of Thelma D. Sullivan

*Stephen Houston* 196

Kolb: Marine Shell Trade and Classic Teotihuacan, Mexico

*Robert D. Drennan* 197

Rostworowski de Diez Canseco: Conflicts Over Coca Fields in XVIth-Century Peru

*Patricia J. Netherly* 197

Sandweiss (editor): Andean Past, Vol. 1

*Charles S. Stanish* 198

Coles and Lawson (editors): European Wetlands in Prehistory

*Bryan Feuer* 198

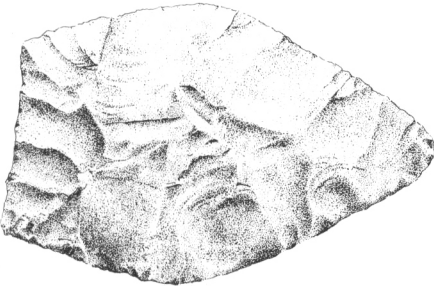
Book Notes

The 1983 Excavations at 19BN281; Chapters in the Archeology of Cape Cod, III: The Historic Period and Historic Period Archeology; The Indian Neck Ossuary: Chapters in the Archeology of Cape Cod, V; The Clemente and Herminia Hinojosa Site, 41 JW 8: A Toyah Horizon Campsite in Southern Texas; Petroglyphs of the Pichacho Mountains, South Central Arizona; The Frontier People: The Greater Southwest in the Protohistoric Period; The Material Culture of the Chumash Interaction Sphere. Vol. V: Manufacturing Processes, Metrology, and Trade; Outillage Lithique de Chasseurs-Collecteurs du Nord du Mexique, le Sud-Ouest de l'État de San Luis Potosi; Essays in Maya Archaeology; The Historic Indian Tribes of Louisiana from 1542 to the Present; Prehistory of Arid North Africa: Essays in Honor of Fred Wendorf; L'Art des Grottes en Ariège Magdalénienne; African Civilizations, Precolonial Cities and States in Tropical Africa: An Archaeological

---

The cover illustration is taken from Figure 1 in the Article by Mima Kapches.

---



## **Prehistoric Cultures of the Delmarva Peninsula**

### **An Archaeological Study**

*By Jay F. Custer*

This fully illustrated study traces 15,000 years of cultural development in the prehistoric Native American societies of the Delmarva Peninsula region. Professor Custer's latest work constitutes the first comprehensive archaeology of the entire peninsula.

While data description and methodological concerns are important components of this book, the author focuses on the ways in which prehistoric peoples adapted to their natural and social environments. He further examines the detailed processes by which societies change through time.

ISBN 0-87413-320-3

446 pages, illustrated

\$38.50

#### ***Of related interest by Jay F. Custer:***

#### **Delaware Prehistoric Archaeology: An Ecological Approach**

ISBN 0-87413-233-9

Illustrated

\$32.50

#### **Late Woodland Cultures of the Middle Atlantic Region**

ISBN 0-87413-285-1

Illustrated

\$32.50

### **University of Delaware Press**

326 Hullihen Hall, Newark, Delaware 19716

*Please address all orders to 440 Forsgate Drive, Cranbury, NJ 08512*

# ARCHAEOLOGY & ANTHROPOLOGY

## **To Square with Genesis**

### ***Causal Statements and Shamanic Ideas in Wayāpí***

BY ALAN TORMAID CAMPBELL

The Wayāpí Indians of northern Brazil's Amazonian rainforest, thought to be extinct until their "discovery" in 1973, are the subject of this unusual, iconoclastic ethnography. Campbell presents a strong appeal for less distant, more humanistic anthropological writing.

214 pp., 6 photos, 3 maps, \$27.50

## **Life and Death at Paloma**

### ***Society and Mortuary Practices in a Preceramic Peruvian Village***

BY JEFFREY QUILTER

"The data that Quilter presents on the burials at Paloma are unique, both in the number of burials discussed and in the detail. . . . an important contribution to Andean archaeology."

—Robert A. Benfer

203 pp., 39 photos, 106 drawings and maps, \$25.00

## **Tula of the Toltecs**

### ***Excavations and Survey***

EDITED BY DAN M. HEALAN

"... helps very significantly to fill a great void in Central Mexican archaeology. . . . will provide both a major leap forward in the data base and a model for future description and comparison of architectural detail in Postclassic Central Mexico."—Jeffrey R. Parsons

313 pp., 48 photos, 144 drawings and maps, 1 computer disk, \$45.00

## **Travels and Archaeology in South Chile**

BY JUNIUS B. BIRD WITH MARGARET BIRD, EDITED BY JOHN HYSLOP

"This account has remarkable scientific importance, but also it is a historical landmark. For the reader who enjoyed Bruce Chatwin's *In Patagonia*, . . . this account will be a treasure."

—*American Anthropologist*

278 pp., 72 photos, 29 drawings, \$27.50

## **Early Settlement and Subsistence in the Casma Valley, Peru**

BY SHELIA POZORSKI AND THOMAS POZORSKI

A significant first in Andean research, this book challenges traditional views on the development of civilization in Peru. ". . . adds considerably to our knowledge of the prehistory of an important area of the Peruvian coast."—Robert A. Feldman

160 pp., 39 photos, 24 drawings and maps, 3 tables, \$20.00

## **Trail to Heaven**

### ***Knowledge and Narrative in a Northern Native Community***

BY ROBIN RIDINGTON

"In the experience of many native peoples, anthropologists come and go as fast as intellectual fads do among anthropologists themselves. Robin Ridington offers us exceptions to both these forms of expediency."—*American Anthropologist*

317 pp., 29 photos, \$27.50



University of Iowa Press, Iowa City, Iowa 52242

319/335-4645 We accept VISA and MasterCard