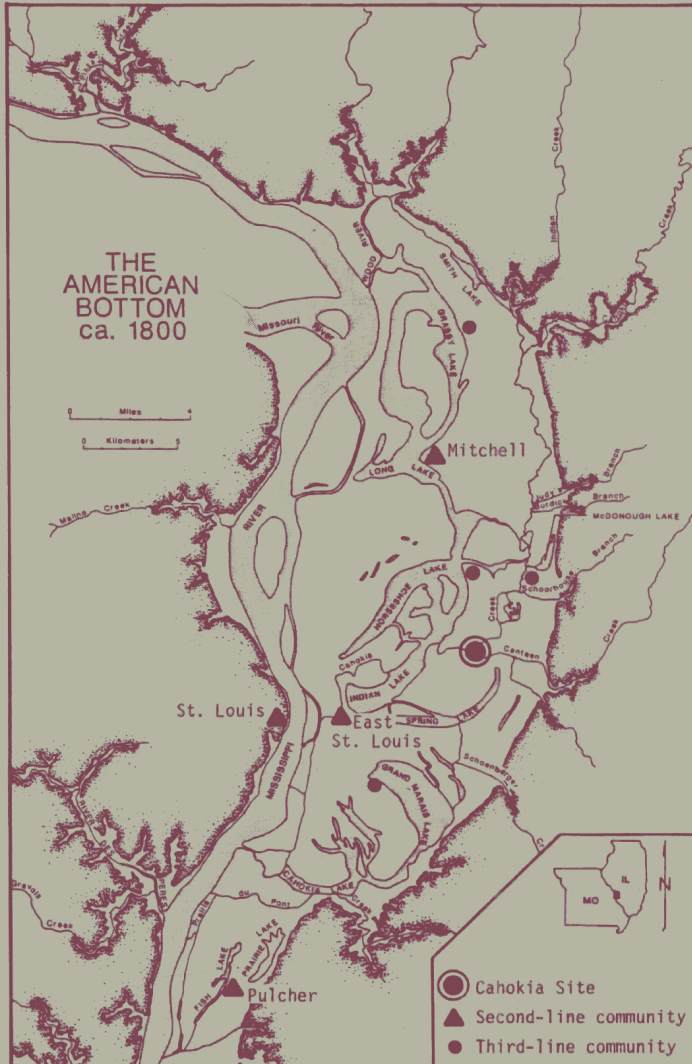


# AMERICAN ANTIQUITY

JOURNAL OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY



VOLUME 58

NUMBER 2

APRIL 1993

## OFFICERS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

**President:** PRUDENCE M. RICE, Department of Anthropology, Southern Illinois University, Carbondale, IL 62901.

**President-elect:** BRUCE D. SMITH, Department of Anthropology, Mail Stop NHB 112, National Museum of Natural History, Smithsonian Institution, Washington, DC 20560.

**Secretary:** SHEREEN LERNER, Mesa Community College, Department of Cultural Science, 1833 W. Southern Ave., Mesa, AZ 85202.

**Secretary-elect:** BRUCE E. RIPPEAU, South Carolina Institute of Archaeology and Anthropology, 1321 Pendleton St., University of South Carolina, Columbia, SC 29208.

**Treasurer:** VINCAS P. STEPONAITIS, Department of Anthropology, University of North Carolina, Chapel Hill, NC 27599-3115.

**Editor American Antiquity:** J. JEFFERSON REID, Department of Anthropology, University of Arizona, Tucson, AZ 85721. Bitnet: REID@ARIZRVAX.

**Executive Board Members:** ROGER ANYON, Zuni Archaeology Program, P.O. Box 339, Zuni, NM 87327; JAMES A. BROWN, Department of Anthropology, Northwestern University, Evanston, IL 60208-1310; DIANE GIFFORD-GONZALEZ, Department of Anthropology, University of California, Santa Cruz, CA 95064; WILLIAM H. MARQUARDT, Florida Museum of Natural History, Museum Road, Gainesville, FL 32611; JERALD T. MILANICH, Florida Museum of Natural History, Museum Road, Gainesville, FL 32611; KATHARINA J. SCHREIBER, Department of Anthropology, University of California, Santa Barbara, CA 93106.

**Executive Director:** RALPH JOHNSON, Society for American Archaeology, 900 Second St., N.E., Suite 12, Washington, DC 20002.

## EDITORIAL STAFF OF AMERICAN ANTIQUITY

**Editor:** J. JEFFERSON REID, Department of Anthropology, University of Arizona, Tucson, AZ 85721.

**Editor-designate:** MICHAEL W. GRAVES, Department of Anthropology, 2424 Maile Way, Porteus 346, University of Hawaii, Honolulu, HI 96822.

**Managing Editor and Coordinator for Current Research:** TERESITA MAJEWSKI, Department of Anthropology, University of Arizona, Tucson, AZ 85721. Bitnet: REID@ARIZRVAX.

**Associate Editor for Reviews and Book Notes:** DIANE E. GELBURD, Soil Conservation Service, 7222 Pinewood Street, Falls Church, VA 22046.

**Assistant Editor for Reviews and Book Notes:** RICHARD J. DENT, Department of Anthropology, The American University, Washington, DC 20016.

**Associate Editor for Obituaries and History of Archaeology:** DOUGLAS R. GIVENS, Department of Behavioral Sciences, St. Louis Community College at Meramec, 11333 Big Bend Boulevard, St. Louis, MO 63122.

**Consulting Editors for Mathematics and Statistics:** DONALD A. GRAYBILL, Laboratory of Tree-Ring Research, University of Arizona, Tucson, AZ 85721; HAROLD J. HIETALA, Department of Anthropology, Southern Methodist University, Dallas, TX 75275; KENNETH L. KVAMME, Arizona State Museum, University of Arizona, Tucson, AZ 85721.

**Editorial Assistants:** BARBARA KLIE MONTGOMERY (production); GABY L. ALVAREZ HANNA and MARIA NIEVES ZEDEÑO (Spanish language).

AMERICAN ANTIQUITY (ISSN 0002-7316) is published quarterly in January, April, July, and October. Subscription is by membership in the Society for American Archaeology, 900 Second St., N.E., Suite 12, Washington, DC 20002. Annual dues for individual U.S. and Canadian members are \$75.00; institutional subscribers \$115.00; students \$37.00; retired (over 65) \$40.00; foreign members \$60.00. A portion of annual membership dues are allotted 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, 900 Second St., N.E., Suite 12, Washington, DC 20002. Claims for nonreceipt 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, 900 Second St., N.E., Suite 12, Washington, DC 20002.

## NOTICE TO AUTHORS

*American Antiquity* publishes papers on the archaeology of the New World and on archaeological theory, method, and practice worldwide. However, authors of papers on Latin American regional topics are encouraged to submit their work to *Latin American Antiquity*. 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 Managing Editor. Authors should submit an original and four copies of their manuscripts. Detailed information on policy, style, and technical matters of manuscript preparation is given in "Editorial Policy, Information for Authors, and Style Guide for *American Antiquity* and *Latin American Antiquity*," which appeared in the October 1992 issue (vol. 57, no. 4); for additional information or clarification contact the managing editor.

# AMERICAN ANTIQUITY

VOLUME 58 NUMBER 2

APRIL 1993

J. Jefferson Reid, *Editor*

*Managing Editor and Coordinator for Current Research:* Teresita Majewski

*Associate Editors:* Diane E. Gelburd (*Reviews and Book Notes*)  
and Douglas R. Givens (*Obituaries and History of Archaeology*)

*Assistant Editor:* Richard J. Dent (*Reviews and Book Notes*)

*Editorial Assistants:* Barbara Klie Montgomery (*production*)  
and Gaby L. Alvarez Hanna and Maria Nieves Zedeño (*Spanish language*)

## CONTENTS

Editor's Corner: Concluding Thoughts on Change and Independence	<i>J. Jefferson Reid</i>	199
ARTICLES		
The Dorset–Thule Succession in Arctic North America: Assessing Claims for Culture Contact	<i>Robert W. Park</i>	203
Concepts of Time and Approaches to Analogical Reasoning in Historical Perspective	<i>Ann Brower Stahl</i>	235
REPORTS		
NISP vs. MNI in Quantification of Body-Part Representation	<i>Fiona Marshall and Tom Pilgram</i>	261
Prehistoric Macaw Breeding in the North American Southwest	<i>Paul E. Minnis, Michael E. Whalen, Jane H. Kelley, and Joe D. Stewart</i>	270
Archaeological Palynology in the United States: A Critique	<i>Vaughn M. Bryant, Jr., and Stephen A. Hall</i>	277
Grinding-Tool Design as Conditioned by Land-Use Pattern	<i>Margaret C. Nelson and Heidi Lippmeier</i>	286
Investigations in the Cahokia Site Grand Plaza	<i>George R. Holley, Rinita A. Dalan, and Philip A. Smith</i>	306
A Second-Terrace Perspective on Monks Mound	<i>James M. Collins and Michael L. Chalfant</i>	319
Sourcing <i>Busycon</i> Artifacts of the Eastern United States	<i>Cheryl Claassen and Samuella Sigmann</i>	333
FORUM		
A Perspective on Ethics and the Reburial Controversy	<i>Anthony L. Klesert and Shirley Powell</i>	348
CURRENT RESEARCH, coordinated by Teresita Majewski		
Siberia, Far North, Northwest, California and the Great Basin		355
REVIEWS AND BOOK NOTES, edited by Diane E. Gelburd and Richard J. Dent		369

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

Copyright © 1993 by the Society for American Archaeology. All rights reserved.

ISSN 0002-7316

Reviews

Duke: Points in Time: Structure and Event in a Late Northern Plains Hunting Society	<i>E. S. Lohse</i>	369
Bapty and Yates (editors): Archaeology After Structuralism	<i>Kim Dammers</i>	370
Kelley and Hanen: Archaeology and the Methodology of Science	<i>Peter Peregrine</i>	371
Williams: Fantastic Archaeology: The Wild Side of North American Prehistory	<i>Jay F. Custer</i>	372
Roosevelt: Moundbuilders of the Amazon: Geophysical Archaeology on Marajo Island, Brazil	<i>William P. Barse</i>	373
Dickens, Ward, and Davis (editors): The Siouan Project: Seasons I and II	<i>Kenneth E. Sassaman</i>	374
DePratter: Late Prehistoric and Early Historic Chiefdoms in the Southeastern United States	<i>David G. Anderson</i>	375
Walthall (editor): French Colonial Archaeology: The Illinois Country and the Western Great Lakes	<i>Susan A. Dublin</i>	376
Layton (editor): Conflict in the Archaeology of Living Traditions	<i>Duane Anderson</i>	377
Bishop and Lange (editors): The Ceramic Legacy of Anna O. Shepard	<i>Ian K. Whitbread</i>	378
Ortner and Aufderheide (editors): Human Paleopathology: Current Synthesis and Future Options	<i>Ruben G. Mendoza</i>	380
Culbert (editor): Classic Maya Political History: Hieroglyphic and Archaeological Evidence	<i>Wendy Ashmore</i>	381
Hester and Shafer (editors): Maya Stone Tools: Selected Papers from the Second Maya Lithic Conference	<i>E. R. Kintz</i>	382
Crown and Judge (editors): Chaco and Hohokam: Prehistoric Regional Systems in the American Southwest	<i>Douglas R. Mitchell</i>	383
Ellis and Ferris (editors): The Archaeology of Southern Ontario to A.D. 1650	<i>Michael J. Shott</i>	385
Barton, Roberts, and Roe (editors): The Late Glacial in North-West Europe: Human Adaptation and Environmental Change at the End of the Pleistocene	<i>Geoffrey G. Pope</i>	386

Book Notes

Lead Seals from Fort Michilimackinac, 1715–1781; Archaeological Illustration; Aboriginal Cultural Adaptations in the Midwestern Prairies; Archeology and Education: The Classroom and Beyond; Federal Archeology: The Current Program; A Survey of Archeological Resources and an Evaluation of Buried Site Potential in Northwestern Oklahoma County, Oklahoma; The Prehistoric and Early Historic Archaeology of Wyandotte Cave and Other Caves in Southern Indiana; Ambitious Appetites: Dining, Behavior, and Patterns of Consumption in Federal Washington; Prehistoric Human Geography in the Carson Desert, Part I: A Predictive Model of Land-Use in the Stillwater Wildlife Management Area; An Archeological Reconnaissance of the Wolf Creek Drainage Basin, Ellis County, Oklahoma; Cultural Resources Management Plan for Brandywine Creek State Park; Middle Woodland Settlement and Ceremonialism in the Mid-South and Lower Mississippi Valley; Arkansas Before the Americans		387
---	--	-----

---

The cover illustration is taken from Figure 1 in the report by Collins and Chalfant.

---