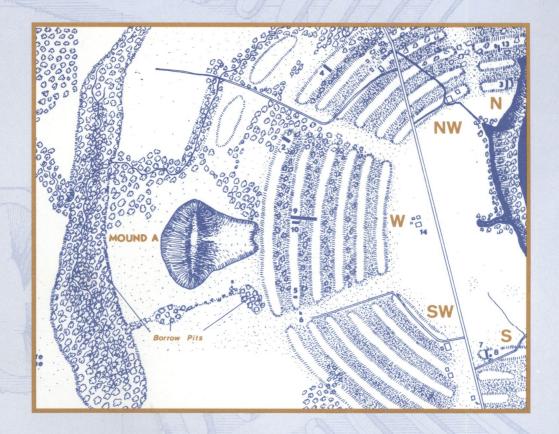
AMERICAN ANTIQUITY

VOLUME 64 NUMBER 3 JULY 1999





EDITORIAL STAFF OF AMERICAN ANTIQUITY

Editor: LYNNE GOLDSTEIN, Department of Anthropology, Michigan State University, 354 Baker Hall, East Lansing, MI 48824 Telephone: (517) 353-4704 Email: antiquity@ssc.msu.edu

Managing Editor: ELIZABETH FOXWELL, Society for American Archaeology, 900 Second Street, N.E., Suite 12, Washington, DC 20002-3557 Telephone: (202) 789-8200 Email: elizabeth_foxwell@saa.org

Associate Editor for Reviews and Book Notes: CARLA SINOPOLI, Museum of Anthropology, University of Michigan, 1109 Geddes Avenue, Ann Arbor, MI 48109-1079 Telephone: (313) 764-0484 Email: sinopoli@umich.edu

Coordinator for Current Research: TERESITA MAJEWSKI, Statistical Research, P.O. Box 31865, Tucson, AZ 85751 Telephone: (520) 721-4309 Fax: (520) 298-7044 Email: sriarc@aol.com

BOARD OF DIRECTORS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

Officers

President: KEITH KINTIGH, Department of Anthropology, Arizona State University, Box 872402, Tempe, AZ 85287

Secretary: BARBARA LITTLE, Cultural Resources, National Park Service, 1849 C Street, N.W., Suite 400, Washington, DC 20240

Treasurer: JEFFREY ALTSCHUL, Statistical Research, P.O. Box 31865, Tucson, AZ 85751

Treasurer-elect: PAUL MINNIS, Department of Anthropology, University of Oklahoma, Norman, OK 73019-0001

Board Members-at-Large

KENNETH M. AMES, Department of Anthropology, PO Box 751, Portland, OR 97207-0751
REBECCA HAWKINS, Algonquin Consultants, 3327 Bishop Street, Cincinnati, OH 45220-2105
JANET LEVY, Department of Anthropology, 9201 University City Boulevard, University of North Carolina-Charlotte, Charlotte, NC 28223-1000

SARAH W. NEUSIUS, Department of Anthropology, Indiana University of Pennsylvania, Indiana, PA 15705-1081

DEBORAH M. PEARSALL, Department of Anthropology, University of Missouri, 107 Swallow Hall, Columbia, MO 65211

BONNIE W. STYLES, Illinois State Museum, 1011 East Ash Street, Springfield, IL 62703

Ex-officio Board Member

TOBI A. BRIMSEK, Executive Director, Society for American Archaeology, 900 Second Street, N.E., Suite 12, Washington, DC 20002-3557

American Antiquity (ISSN 0002-7316) is published quarterly in January, April, July, and October by the Society for American Archaeology, 900 Second Street, N.E., Suite 12, Washington, DC 20002-3557. The journal is one of two offered as a benefit of individual membership. Subscription rates are \$175.00 for institutions in Australia, Baharain, Bermuda, Canada, Cyprus, Hong Kong, Israel, Japan, Korea, Kuwait, Libya, New Caledonia, New Zealand, Qatar, Saudi Arabia, Sultanate of Oman, Singapore, Taiwan, Thailand, United States, or Western Europe; \$50 for members in these countries who already receive the society's other journal as a membership benefit; and \$28.00 for members in Latin America or any other country not listed above. To subscribe, change an address, or order back issues, please write to the Society for American Archaeology at the address below. Prepayment is required, payable in U.S. funds. American Antiquity is not available for exchange. 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 typeset by Oakland Street Publishing, Arlington, Virginia, and printed by Allen Press, Lawrence, Kansas.

Periodicals postage paid at Washington, D.C., and additional mailing offices. POSTMASTER: Send address changes to *American Antiquity*, c/o Society for American Archaeology, 900 Second Street, N.E., Suite 12, Washington, DC 20002-3557.



VOLUME 64 NUMBER 3 JULY 1999

399 Editor's Corner

ARTICLES

- 400 Public Opinion and Archaeological Heritage: Views from Outside the Profession David Pokotylo and Neil Guppy
- 417 Gender and the Early Cultivation of Gourds in Eastern North America Gayle J. Fritz

REPORTS

- The Systematic Use of Radiocarbon Dating in Archaeological Surveys in Coastal and Other Erosional Environments
 - Jon M. Erlandson and Madonna L. Moss
- 444 AMS Radiocarbon Dating of the Type Plainview and Firstview (Paleoindian) Assemblages: The Agony and the Ecstasy
 Vance T. Holliday, Eileen Johnson, and Thomas W. Stafford Jr.
- 455 Radiocarbon Analyses of Modern Organics at Monte Verde, Chile: No Evidence for a Local Reservoir Effect
 R.E. Taylor, C. Vance Haynes Jr., Donna L. Kirner, and John R. Southon
- 461 Space Syntax Analysis at the Chacoan Outlier of Guadalupe Ruth M. Van Dyke
- 475 Refocusing the Role of Food-Grinding Tools as Correlates for Subsistence Strategies in the U.S. Southwest
 Jenny L. Adams
- 499 Maize Productivity in the Eastern Woodlands and Great Plains of North America Sissel Schroeder
- 517 Geochemical Analysis of Eight Red Ochres from Western North America Jon M. Erlandson, J.D. Robertson, and Christopher Descantes
- 527 Microevolution and the Skeletal Traits of a Middle Archaic Burial: Metric and Multivariate Comparison to Paloeindians and Modern Amerindians
 Marjorie Brooks Lovvorn, George W. Gill, Gayle F. Carlson, John R. Bozell, and Terry L. Steinacher

American Antiquity is abstracted or indexed in Abstracts in Anthropology; Academic Search; America; Arts and Humanities Citation Index®; History and Life; Anthropological Literature; Art Index; ASTIS Bibliography; ASTIS Current Awareness Bulletin; Current Contents®/Arts and Humanities; Book Review Index; Ceramic Abstracts; Ethnoarts Index; Expanded Academic Index; GeoRef; Hispanic American Periodicals Index; Historical Abstracts; Humanities Index; International Bibliography of Social and Cultural Anthropology; International Bibliography of the Social Sciences; Middle East, Abstracts and Index; Social Sciences Citation Index®; and SportSearch.

Copyright © 1999 by the Society for American Archaeology. All Rights Reserved.

ISSN 0002-7316

REVIEWS AND BOOK NOTES

Reviews

- 547 Sociocultural Evolution, by Bruce G. Trigger Geoffrev A. Clark
- 548 The Archaeology of Social Boundaries, edited by Miriam T. Stark Claire McHale Milner
- 549 As the World Warmed: Human Adaptations across the Pleistocene/Holocene Boundary, edited by B.V. Eriksen and L.G. Straus

 Charles Schweger
- 550 Star Carr in Context, by Paul Mellars and Petra Dark Brian Fagan
- 551 Continent of Hunter-Gatherers: New Perspectives in Australian Prehistory, by Harry Lourandos *Harry Allen*
- 553 The Origins of Native Americans: Evidence from Anthropological Genetics, by Michael H. Crawford Theodore G. Schurr
- 554 A View from the Core: A Synthesis of Ohio Hopewell Archaeology, edited by Paul J. Pacheco Katharine A. Spielmann
- 555 Hopewell in Mt. Vernon: A Study of the Mt. Vernon Site (12-PO-885), edited by the General Electric Company Bret J. Ruby
- 556 The Archaeology of Colorado, by E. Steve Cassells Mark D. Varien
- 557 Archaeological Chronometry: Radiocarbon and Tree-Ring Models and Applications from Black Mesa, Arizona, by Francis E. Smiley and Richard V.N. Ahlstrom Gary M. Brown
- 558 Amérindiens du Sinnamary (Guyane): Archéologie en forêt équatoriale, by Stéphane Vacher, Sylview Jérémie, and Jérôme Briand Renato Kipnis
- 559 Pottery Ethnoarchaeology in the Central Maya Highlands, by Michael Deal *Richard A. Krause*
- 560 Archaeological Obsidian Studies: Method and Theory, edited by M. Steven Shackley J. Andrew Darling
- 561 Projectile Technology, edited by Heidi Knecht Barbara Roth

Book Notes

- 562 Reader in Archaeological Theory: Postprocessual and Cognitive Approaches, edited by David S. Whitley *Uzi Baram*
- 562 The Cambridge Encyclopedia of Human Paleopathology by Arthur C. Auferhede and Conrado Rodriguez-Martin, including a dental chapter by Odin Langsjoen Kathy Taylor
- 563 The Desert's Past: A Natural Prehistory of the Great Basin, by Donald K. Grayson Joan Brenner Coltrain
- 564 Île Morrison: Lieu sacrêet atelier de l'Archaïque dans l'Outaouais, by Norman Clermont and Claude Chapdelaine Mima Kapches