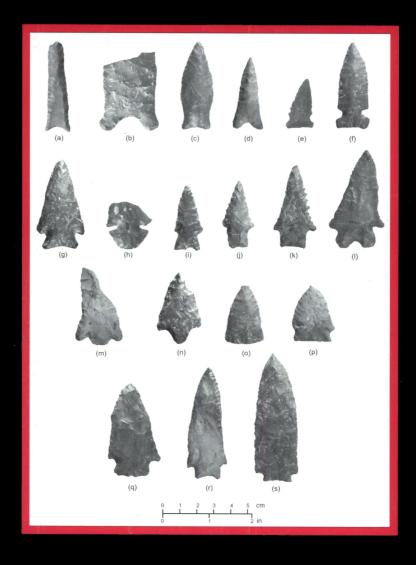
AMERICAN

VOLUME 69

NUMBER 3

JULY 2004





SOCIETY FOR AMERICAN ARCHAEOLOGY

EDITORIAL STAFF OF AMERICAN ANTIQUITY

Editor: MICHAEL JOCHIM, 57 Mesa Rd., Department of Anthropology, University of California-Santa Barbara, Santa Barbara, CA 93106-3210

Editorial Assistant: MELISSA LAMBRIGHT, 57 Mesa Rd., Department of Anthropology, University of California-Santa Barbara, Santa Barbara, CA 93106-3210

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

Associate Editor for Reviews and Book Notes: DOUGLAS B. BAMFORTH, Anthropology Department, 233 UCB, University of Colorado, Boulder, CO 80309-0233 Telephone: 303-651-9647 Email: douglas.bamforth@colorado.edu

BOARD OF DIRECTORS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

Officers

President: LYNNE SEBASTIAN, SRI Foundation, 333 Rio Rancho Dr. NE, Suite 103, Rio Rancho, NM 87124

President-Elect: KENNETH M. AMES, Portland State University, Department of Anthropology, Portland, OR 97207

Secretary: DEAN SNOW, Department of Anthropology, Pennsylvania State University, 409 Carpenter Bldg., University Park, PA 16802

Secretary-Elect: LINDA CORDELL, CU Museum, Henderson Building CB 218, University of Colorado, Boulder, CO 80309-0001

Treasurer: GEORGE H. ODELL, 600 S College Ave., Department of Anthropology, University of Tulsa, Tulsa, OK 74104-3126

Board Members-at-Large

PATRICIA A GILMAN, Department of Anthropology, University of Oklahoma, Norman, OK 73019-0001 MADONNA MOSS, Department of Anthropology, 1218 University of Oregon, Eugene, OR 97403-1205 NELLY ROBLES GARCIA, Pino Suarez 715, Oaxaca OAX 68000, Mexico

SARAH H. SCHLANGER, NM Bureau of Land Management, PO Box 27115, NM 930, Santa Fe, NM 97502-0115

MIRIAM T. STARK, Department of Anthropology, University of Hawaii, 2424 Maile Way, Saunders 346, Honolulu, HI 96822-2223

JOE WATKINS, PO Box 30992, Albuquerque, NM 87190-0992

Ex-Officio Board Member

TOBI A. BRIMSEK, Executive Director, Society for American Archaeology, 900 Second St, N.E., Suite 12, Washington, D.C., 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 \$195.00 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 IPC, St. Joseph, Michigan.

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.



387 Editor's Corner

ARTICLES

- 389 Land Use and an Archaeological Perspective on Socio-Natural Studies in the Wadi Al-Hasa, West Central Jordan
 J. Brett Hill
- 413 Memory, Meaning, and Masonry: The Late Bonito Chacoan Landscape *Ruth M. Van Dyke*
- 432 Long-Term Settlement History and the Emergence of Towns in the Zuni Area Keith W. Kintigh, Donna M. Glowacki, and Deborah L. Huntley
- 457 They Go Along Singing: Reconstructing the Hopi Past from Ritual Metaphors in Song and Image Emory Sekaquaptewa and Dorothy Washburn
- 487 Steatite Vessel Age and Occurrence in Temperate Eastern North America James Truncer

REPORTS

- 514 Plazas as Architecture: An Example from the Raffman Site, Northeast Louisiana Tristram R. Kidder
- 533 Chronology and Stratigraphy at Dust Cave, Alabama
 Sarah C. Sherwood, Boyce N. Driskell, Asa R. Randall, and Scott C. Meeks
- 555 High Precision Measurement of Obsidian Hydration Layers on Artifacts from the Hopewell Site Using Secondary Ion Mass Spectrometry Christopher M. Stevenson, Ihab Abdelrehim, and Steven W. Novak
- 569 Dental Caries, Prehistoric Diet, and the Pithouse-to-Pueblo Transition in Southwestern Colorado Karen Gust Schollmeyer and Christy G. Turner II

COMMENTS

- 583 Of Parsimony and Archaeological Histories: A Response to Comment by Boyd Jeffrey L. Hantman, Debra L. Gold and Gary H. Dunham
- 586 Additional Evidence for Gourd Floats on Fishing Nets Jean L. Hudson

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 © 2004 by the Society for American Archaeology. All Rights Reserved. ISSN 0002-7316

REVIEWS

- 588 An Island Archaeology of the Early Cyclades, by Cyprian Broodbank Cheryl Ward
- 589 Classification Guide for Arrowheads and Spearpoints of Eastern Pennsylvania and the Central Middle Atlantic, by Jay F. Custer; Forest Farmsteads: A Millennium of Human Occupation at Winding Stair in the Ouachita Mountains, edited by Ann M. Early; Mortuary Behavior at Upper Nodena, by Rita Fisher-Carroll; and Historical Perspectives on Midsouth Archeology, by Martha Ann Rolingson Bradley Lepper
- 590 Prehistory of the Carson Desert and Stillwater Mountains: Environment, Mobility, and Subsistence in a Great Basin Wetland, by Robert L. Kelly Melinda Leach