



# american antiquity

JOURNAL OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

VOLUME 51 NUMBER 2

APRIL 1986

## OFFICERS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

*President:* DON D. FOWLER, Department of Anthropology, University of Nevada, Reno NV 89557.

*President-elect:* DENA DINCAUZE, Department of Anthropology, University of Massachusetts, Amherst, MA 01003.

*Secretary:* BRUCE D. SMITH, Department of Anthropology, National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560.

*Treasurer:* ANNETTA L. CHEEK, National Park Service, Department of the Interior, Washington, D.C. 20240.

*Treasurer-elect:* ROBERT J. SHARER, Department of Anthropology, University Museum, University of Pennsylvania, Philadelphia, PA 19104.

*Editor:* PATTY JO WATSON, Department of Anthropology, Washington University, St. Louis, MO 63130.

*Executive Committee Members:* THOMAS R. HESTER, Center for Archaeological Research, University of Texas, San Antonio, TX 78285; KEITH KINTIGH, Department of Anthropology, University of California, Santa Barbara, CA 93106; MARK P. LEONE, Department of Anthropology, University of Maryland, College Park, MD 20742; PRUDENCE RICE, Department of Anthropology, Florida State Museum, University of Florida, Gainesville, FL 32611.

*Executive Director:* JEROME A. MILLER, Society for American Archaeology, 1511 K St., N.W., Suite 716, Washington, D.C. 20005.

## EDITORIAL STAFF OF AMERICAN ANTIQUITY

*Editor:* PATTY JO WATSON, Department of Anthropology, Washington University, St. Louis, MO 63130.

*Associate Editor for Reviews and Book Notes:* JERALD T. MILANICH, Florida State Museum, Department of Anthropology, Gainesville, FL 32611.

*Associate Editor for Current Research:* LYNNE GOLDSTEIN, Department of Anthropology, University of Wisconsin, Milwaukee, WI 53201.

*Associate Editor for Obituaries:* NATHALIE F. S. WOODBURY, Rt. 3, Amherst, MA 01002.

*Consulting Editor for Mathematics and Statistics:* GEORGE L. COWGILL, Department of Anthropology, Brandeis University, Waltham, MA 02254.

*Assistant Editor:* KAREN G. LUCAS.

*Editorial Assistant:* JERRE A. PURVIS.

AMERICAN ANTIQUITY (ISSN 0002-7316) is published quarterly in January, April, July, and October. Subscription is by membership in the Society for American Archaeology, 1511 K Street, N.W., Suite 716, Washington, D.C. 20005. Annual dues for individual U.S. and Canadian members are \$50.00, institutional subscribers \$75.00, students and retired (over 65), \$25.00, foreign members \$40.00. Annual membership dues include \$25.00 for the subscription to *American Antiquity*. Spouses of members are eligible for joint memberships at \$10.00 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, 1511 K Street, N.W., Suite 716, Washington, D.C. 20005. 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.

Second class postage paid at Washington, D.C. and additional mailing offices. POSTMASTER: Send address changes to *American Antiquity*, % Society for American Archaeology, 1511 K Street, N.W., Suite 716, Washington, D.C. 20005.

## 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 two copies of their manuscripts. A detailed guide to stylistic and technical matters of manuscript preparation appeared in April, 1983 (vol. 48, no. 2).**

# AMERICAN ANTIQUITY

VOLUME 51 NUMBER 2

APRIL 1986

Patty Jo Watson, *Editor*

*Associate Editors:* Jerald T. Milanich (*Reviews and Book Notes*),  
Lynne Goldstein (*Current Research*), Nathalie F. S. Woodbury (*Obituaries*)

*Assistant Editor:* Karen G. Lucas  
*Editorial Assistant:* Jerre A. Purvis

## CONTENTS

Mississippian Period Population Density in a Segment of the Central Mississippi River Valley	<i>George R. Milner</i>	227
An Analysis of the Symbolism Expressed by the Birger Figurine	<i>Guy Prentice</i>	239
The Identification of Vessel Function: A Case Study from Northwest Georgia	<i>David J. Hally</i>	267
Site Surface Characteristics and Functional Inferences Terminal Classic Interaction on the Southeastern Maya Periphery	<i>Sarah H. Schlanger and Janet D. Orcutt</i> <i>Rosemary A. Joyce</i>	296 313
REPORTS		
Toward Peopling the New World: A Possible Early Palaeolithic in Tohoku District, Japan	<i>T. E. G. Reynolds</i>	330
Re-evaluation of the First Radiocarbon Age for the Folsom Culture	<i>Vance T. Holliday and Eileen Johnson</i>	332
Spurred End Scrapers as Diagnostic Paleoindian Artifacts: A Distributional Analysis on Stream Terraces	<i>Richard A. Rogers</i>	338
Broken Canines from Alaskan Cave Deposits: Re-evaluating Evidence for Domesticated Dog and Early Humans in Alaska	<i>E. James Dixon and George S. Smith</i>	341
A Late Paleoindian Animal Trapping Net from Northern Wyoming	<i>George C. Frison, R. L. Andrews, J. M. Adovasio, R. C. Carlisle, and Robert Edgar</i>	352
Sulphur Springs Woman: An Early Human Skeleton from Southeastern Arizona	<i>Michael R. Waters</i>	361
Historical Aspects of the Calaveras Skull Controversy	<i>Ralph W. Dexter</i>	365
Prehistoric Long-Distance Transport of Construction Beams, Chaco Canyon, New Mexico	<i>Julio L. Betancourt, Jeffrey S. Dean, and Herbert M. Hull</i>	370
Dental Evidence for Prehistoric Dietary Change on the Northern Channel Islands, California	<i>Phillip L. Walker and Jon M. Erlandson</i>	375
Unproductive Lithic Resources at Lake Mead	<i>Kathryn A. Kamp and John C. Whittaker</i>	383
New Evidence for Early Woodland Seasonal Adaptation from Southern Ontario, Canada	<i>L. J. Jackson</i>	389
COMMENTS		
Licks, Pans, and Chiefs: A Comment on "Mississippian Specialization and Salt"	<i>Richard W. Yerkes</i>	402
Pans and a Grain of Salt: Mississippian Specialization Revisited	<i>Jon Muller</i>	405

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

Copyright © 1986 by the Society for American Archaeology. All rights reserved.

ISSN 0002-7316

A Note on Frequencies, Proportions, and Diversity: A Response to Cannon	<i>Steven A. Rosen</i>	409
On the Misuse of Projectile Point Typology in Mesoamerica	<i>Thomas R. Hester</i>	412
Linguistic Adaptation and the Great Basin	<i>David Leedom Shaul</i>	415
<b>CURRENT RESEARCH</b> , edited by Lynne Goldstein		
Far North, Pacific Northwest, Great Basin and California		417
<b>REVIEWS AND BOOK NOTES</b> , edited by Jerald T. Milanich		
<b>Reviews</b>		
Carl J. Couch: Constructing Civilizations	<i>C. C. Lamberg-Karlovsky</i>	428
Ronald Wallace: Those Who Have Vanished: An Introduction to Prehistory; Brian M. Fagan: Clash of Cultures; Michael D. Coe: Mexico	<i>Robert Wenke</i>	428
Barry C. Kent: Susquehanna's Indians	<i>Dean Snow</i>	429
George R. Milner: The East St. Louis Quarry Site Cemetery (11-S-468); Thomas E. Emerson, George R. Milner, and Douglas K. Jackson: The Florence Street Site (11-S-458); Dale L. McElrath and Andrew C. Fortier: The Missouri Pacific #2 Site (11-S-46); George R. Milner: The Turner and DeMange Sites (11-S-50 and 11-S-447); Andrew C. Fortier, Fred A. Finney, and Richard B. Lacampagne: The Mund Site (11-S-435); Thomas E. Emerson and Douglas K. Jackson: The BBB Motor Site (11-Ms-595); Charles J. Bareis and James W. Porter (editors): American Bottom Archaeology: A Summary of the FAI-270 Project	<i>Richard W. Jefferies</i>	430
Andrew C. Fortier, Richard B. Lacampagne, and Fred A. Finney: The Fish Lake Site; George Milner: The Julien Site	<i>David S. Brose</i>	432
Dave D. Davis (editor): Perspectives on Gulf Coast Prehistory	<i>James E. Price</i>	433
Ray T. Matheny, D. Gurr, D. Forsyth, and F. R. Hauck: Investigations at Edzna, Campeche, Mexico, Volume 1, The Hydraulic System; Donald Forsyth: Investigations at Edzna, Campeche, Mexico, Volume 2: Ceramics	<i>Robert Fry</i>	434
Clemency Coggins: The Stucco Decoration and Architectural Assemblage of Structure 1-sub, Dzibilchaltun, Yucatan, Mexico	<i>Arthur G. Miller</i>	435
Richard S. MacNeish, Robert K. Vierra, Antoinette Nelken-Terner, Rochelle Lurie, and Angel Garcia Cook: Prehistory of the Ayacucho Basin, Peru, Volume IV: The Preceramic Way of Life	<i>Joan M. Gero</i>	436
Robert Eidt: Advances in Abandoned Settlement Analysis: Application to Prehistoric Anthrosols in Colombia, South America	<i>Fekri A. Hassan</i>	438
<b>Book Notes</b>		
The Neolithic Transition and the Genetics of Populations in Europe; Farms, Villages, and Cities: Commerce and Urban Origins in Late Prehistoric Europe; "An Appearance of Strength": The Fortifications of Louisbourg, Volumes 1 and 2; A Frontier Fur Trade Blacksmith Shop 1796-1812; Elmwood: The Historic Archaeology of a Southeastern Louisiana Plantation; Elements of Southeastern Indian Religion; Excavations at the Granada Site: Archaeology and History of the Granada Site, Volume I; Where the River Found the Bay Historical Study of the Granada Site, Miami, Florida: Archaeology and History of the Granada Site, Volume II; Hunters of the Forest Edge: Culture, Time, and Process in the Little Caney Basin; Logging Railroads of the Lincoln National Forest, New Mexico; Stage 1 Site Locational Modeling in the Southwestern Region; The Stabilization of Guadalupe Ruin		438

---

The cover illustration is taken from Figure 1 in the Report by Julio L. Betancourt, Jeffrey S. Dean, and Herbert M. Hull.

---