

american antiquity

JOURNAL OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

VOLUME 49 NUMBER 2

APRIL 1984

OFFICERS OF THE SOCIETY FOR AMERICAN ARCHAEOLOGY

- President: GEORGE C. FRISON, Department of Anthropology, University of Wyoming, Laramie, WY 82071
- President-elect: DON D. FOWLER, Department of Anthropology, University of Nevada, Reno. NV 89557.
- Secretary: LESLIE E. WILDESEN, Wildesen Associates, P.O. Box 40184, Portland, OR 97240.
- Treasurer: ANNETTA L. CHEEK, National Park Service, Department of the Interior, Washington, D.C. 20240.
- Editor: DENA F. DINCAUZE, Machiner Hall, Department of Anthropology, University of Massachusetts, Amherst, MA 01003.
- Editor-elect: PATTY JO WATSON, Department of Anthropology, Washington University, St. Louis, MO 63130.
- Executive Committee Members: SYLVIA W. GAINES, Department of Anthropology, Arizona State University, Tempe, AZ 85281; RUTHANN KNUDSON, Woodward-Clyde Consultants, Inc., 100 Pringle Ave., Walnut Creek, CA 94596; DEE F. GREEN, USDA-Forest Service, 517 Gold Ave., S.W., Albuquerque, NM 87102; VINCAS STEPON-AITIS, Department of Anthropology, SUNY, Binghamton, NY 13901.

EDITORIAL STAFF OF AMERICAN ANTIQUITY

- Editor: DENA F. DINCAUZE, Machmer Hall, Department of Anthropology, University of Massachusetts, Amherst, MA 01003.
- Associate Editor for Reviews and Book Abstracts: GEORGE J. GUMERMAN, Department of Anthropology, University of Southern Illinois, Carbondale, IL 62901.
- Associate Editor for Current Research: NAN A. ROTHSCHILD, Department of Anthropology, Barnard College, 606 W. 120th St., New York, NY 10027.
- 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: JOSEPH W. MARTIN.

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 members are \$50.00, for institutional subscribers \$75.00, for students and retired (over 65), \$25.00, for 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, orders for back issues, or inquiries about subscription fulfillment to: Society for American Archaeology, 1511 K Street, N.W., Suite 716, Washington, D.C. 20005. 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 the 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 Abstracts, 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 49 NUMBER 2

APRIL 1984

Dena F. Dincauze, Editor

Associate Editors: George J. Gumerman (Reviews and Book Abstracts), Nan A. Rothschild (Current Research), Nathalie F. S. Woodbury (Obituaries)

Assistant Editor: Joseph W. Martin

CONTENTS

The Management of Late Andean Irrigation Systems		
on the North Coast of Peru	Patricia J. Netherly	227
Middle-Range Theory in Archaeology: A Critical Review		
of Origins and Applications	L. Mark Raab and	
•	Albert C. Goodyear	255
Evidence for Aboriginal Tobaccos in Eastern North America The Carter/Kerr-McGee Paleoindian Site: Cultural	Thomas W. Haberman	269
Resource Management and Archaeological Research	George C. Frison	288
Broken Bones, Bone Expediency Tools, and Bone Pseudotools:	George C. Trison	200
Lessons from the Blast Zone Around Mount St. Helens, Wash	ington R. Lee Lyman	315
The Distribution and Contents of Inca State Storehouses	ington K. Lee Lyman	. 313
in the Xauxa Region of Peru	Terence N. D'Altroy	
III the Aduxa Region of Feru		224
	and Christine A. Hastorf	334
REPORTS		
A Mississippian Period Ritual Cave in Tennessee	Charles H. Faulkner, Bill Deane.	
•••	and Howard H. Earnest, Jr.	350
A Comparison and Differentiation of Phytoliths from Maize	W.W. 110.1.W. 11. 12.W. 11.050, 0.11	220
and Wild Grasses: Use of Morphological Criteria	Dolores R. Piperno	361
A Bison antiquus Kill Site, Wacissa River,	Dolores It. 1 sperme	201
Jefferson County, Florida	S. David Webb, Jerald T. Milanich,	
Jenerson County, Florida	Roger Alexon, and James S. Dunbar	384
	Roger Mexon, and James S. Dunbar	304
FORUM		
Culture: Panacea or Problem?	Eric R. Wolf	393
COLO TOLITO	-	
COMMENTS		
Another Example of A "Truncated" Initial Series	Stephen D. Houston	401
Hydrological Dynamics and the Evolution of Field Form	Stephen D. Houston	101
and Use: Resolving the Knapp-Smith Controversy	Michael E. Moseley and	
and osc. Resolving the Rhapp-Sinth Controversy	Robert A. Feldman	403
The Chicama-Moche Canal: Failure or Success?	Robert A. Feluman	403
An Alternative Explanation for an Incomplete Canal	James S. Kus	408
All Alternative Explanation for all incomplete Canal	James S. Rus	400
CURRENT RESEARCH		
Andean South America, Far North		416

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 © 1984 by the Society for American Archaeology. All rights reserved.

REVIEWS AND BOOK ABSTRACTS

Reviews

Kirch and Yen: Tikopia: The Prehistory and Ecology	T D. T	407
of a Polynesian Outlier Renfrew, Rowlands, and Segraves (editors): Theory and	Jesse D. Jennings	427
Explanation in Archaeology: The Southampton Conference Terada and Onuki: Excavations at Huacaloma	Steven A. LeBlanc	429
in the Cajamarca Valley, Peru, 1979	Richard L. Burger	430
Wilson and Loyola (editors): Rescue Archaeology:	Theriana 2. 2 anger	.50
Papers from the First New World Conference		
on Rescue Archaeology	Thomas F. King	432
Keene: Prehistoric Foraging in a Temperate Forest:		
A Linear Programming Model	Bonnie W. Styles	433
Willey (general editor): Excavations at Seibal, Department		
of Peten, Guatemala, vol. 3.	Robert J. Sharer	435
Wyckoff and Brooks (editors): Oklahoma Archeology:		
A 1981 Perspective of the State's Archeological Resources	Annetta L. Cheek and Charles D. Cheek	437
Wait and Nelson (editors): The Star Lake Archaeological Project:	Charles D. Cheek	43/
Anthropology of a Headwaters Area of Chaco Wash, New Mexico	Alan H. Simmons	437
Schroeder (editor): Southwestern Ceramics:	Alan II. Simmons	437
A Comparative Review	Stephen Plog	439
Wilk and Rathje (editors): Archaeology of the Household:	Stephen 1 tog	737
Building a Prehistory of Domestic Life	Rosalind Hunter-Anderson	439
Jefferies and Butler (editors): The Carrier Mills Archaeological Project:		
Human Adaptation in the Saline Valley, Illinois	James B. Stoltman	441
Tooker (editor): Ethnography by Archaeologists: 1978 Proceedings		
of the American Ethnological Society	Patricia Gilman	442
Book Abstracts		
The Wheel of Circ A Constalled Challed Decreed of Control of N	and I D'	
The Wheeler's Site: A Specialized Shellfish Processing Station on the Me Mobility and Sedentism: The Navaho of Black Mesa, Arizona; The Vail		
Indian Encampment in Maine; Archaeological Investigations at Hotinak		
ko Village at Cedar Flat, Trinity County, California: Final Report; House		
Scattered Poles: Prehistory and Ecology in Negros Oriental, Philippines.	es Bunt on	443
ERRATA		448
		770
ANNOUNCEMENT	inside back	cover

The cover illustration is taken from Figure 6 in the Report by Charles H. Faulkner, Bill Deane, and Howard H. Earnest, Jr.