

# AMERICAN ANTIQUITY

VOLUME 82 NUMBER 1 JANUARY 2017



**SAA**  
[Decorative graphic element]

SOCIETY FOR AMERICAN ARCHAEOLOGY

## EDITORIAL STAFF OF AMERICAN ANTIQUITY

*Editor:* ROBERT L. KELLY, Department of Anthropology, University of Wyoming, Laramie, WY 82071; phone: 307-766-3135; email: RLKELLY@uwyo.edu

*Editorial Assistant:* ELIZABETH M. LYNCH, Department of Anthropology, University of Wyoming, Laramie, WY 82071; phone: 307-766-5136; email: elynch2@uwyo.edu

*Managing Editor:* MAYA ALLEN-GALLEGOS, Society for American Archaeology, 1111 14th Street NW, Suite 800, Washington, DC 20005, phone: 202-789-8200; email: maya\_allen-gallegos@saa.org

*Associate Editor for Reviews:* VICTOR THOMPSON, Department of Anthropology, 250A Baldwin Hall, Jackson St, University of Georgia, Athens, GA 30602-1619; phone: 706-542-1480; email: vdthom@uga.edu.

## AMERICAN ANTIQUITY EDITORIAL BOARD 2015–2018

MARY ADAIR, University of Kansas

RICHARD BOISVERT, New Hampshire State Archaeologist

PHILIP CARR, University of South Alabama

CHIP COLWELL, Denver Museum of Nature and Science

GAYLE FRITZ, Washington University in St. Louis

COLIN GRIER, Washington State University

MICHELLE HEGMON, Arizona State University

BARBARA LITTLE, University of Maryland, College Park and National Park Service

KELLY MCGUIRE, Far Western Anthropological Research Group

NICOLE WAGUESPACK, University of Wyoming

MICHAEL WILCOX, Stanford University

PEI-LIN YU, Boise State University

*American Antiquity* (ISSN 0002-7316) is published quarterly in January, April, July, and October on behalf of the Society for American Archaeology by Cambridge University Press, One Liberty Plaza, 20<sup>th</sup> Floor, New York, NY 10006. The journal is one of three offered as a benefit of individual membership. Institutional subscription rates, print and digital: \$373 in the U.S. and Canada (£248 + VAT elsewhere). Institutional subscription rates, digital only: \$325 in the U.S. and Canada (£214 + VAT elsewhere). It is also possible to purchase *American Antiquity* as part of an SAA Package including *Latin American Antiquity* and *Advances in Archaeological Practice*. Institutional subscription rates, print and digital\*: \$580.00 in the U.S. and Canada (£390 + VAT elsewhere). Institutional subscription rates, digital only: \$500 in the U.S. and Canada (£330 + VAT elsewhere). An SAA Premium Package, which includes the three journals plus an annual lease access to the digital archives of the journals, is also available. Institutional subscription rates, print and digital\*: \$66 in the U.S. and Canada (£445 + VAT elsewhere). Institutional subscription rates, digital only: \$580 in the U.S. and Canada (£390 + VAT elsewhere). \**Advances in Archaeological Practice* is a digital only publication. Society members receive digital access to all three journals along with one print journal subscription. An additional print subscription can be purchased. 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.

Periodicals postage paid at New York, NY, and additional mailing offices. SAA MEMBERS: Send address changes to *American Antiquity*, c/o Society for American Archaeology, 1111 14th Street NW, Suite 800, Washington, DC 20005

# AMERICAN ANTIQUITY<sup>®</sup>

VOLUME 82    NUMBER 1    JANUARY 2017

## ARTICLES

- 3 Foraging Models, Niche Construction, and the Eastern Agricultural Complex  
*David W. Zeanah*
- 25 Tree-Ring Dates and Navajo Settlement Patterns in Arizona  
*Chip Colwell and T. J. Ferguson*
- 50 Evidence for Significant Subterranean Storage at Two Hunter-Gatherer Sites: The Presence of a Mast-Based Economy in the Late Archaic Coastal American Southeast  
*Matthew C. Sanger*
- 71 How to Make a Polity (In the Central Mesa Verde Region)  
*Stefani A. Crabtree, R. Kyle Bocinsky, Paul L. Hooper, Susan C. Ryan, and Timothy A. Kohler*
- 96 New Criteria for the Archaeological Identification of Bone Grease Processing  
*Eugène Morin and Marie-Cécile Soulier*
- 123 Ancestral O'Odham: Akimel O'Odham Cultural Traditions and the Archaeological Record  
*Chris Loendorf and Barnaby V. Lewis*

## REPORTS

- 140 Reevaluating the Evidence for Middle Woodland Maize from the Holding Site  
*Mary L. Simon*
- 151 Bacheeishdño (Place Where Men Pack Meat)  
*Edward W. Herrmann, Rebecca A. Nathan, Matthew J. Rowe, and Timothy P. McCleary*
- 168 Dust Cave Revisited: A Bayesian Reanalysis of the Radiocarbon Record  
*David K. Thulman*
- 183 Climate Change and Subsistence Exchange in Southern California: Was Western Sea-Purslane a Channel Island Trade Good?  
*Mikael Fauvelle, Ellen Esch, and Andrew Somerville*

*American Antiquity* is abstracted or indexed in *Abstracts in Anthropology*; *Academic Search*; *America*; *Arts and Humanities Citation Index*<sup>®</sup>; *History and Life*; *Anthropological Literature*; *Art Index*; *ASTIS Bibliography*; *ASTIS Current Awareness Bulletin*; *Current Contents*<sup>®</sup>/*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*<sup>®</sup>; and *SportSearch*.

Copyright © 2017 by the Society for American Archaeology. All Rights Reserved.

ISSN 0002-7316

## REVIEWS

- 189 Historical Archaeologies of Capitalism, edited by Mark P. Leone and Jocelyn E. Knauf  
*Todd M. Ahlman*
- 190 Applied Zooarchaeology: Five Case Studies, by Steve Wolverton, Lisa Nagaoka, and Torben C. Rick  
*Suzanne E. Pilaar Birch*
- 191 A Primer on Modern-World Archaeology, by Charles E. Orser Jr.  
*Jamie C. Brandon*
- 192 Sending the Spirits Home: The Archaeology of Hohokam Mortuary Practices, by Glen E. Rice  
*Suzanne K. Fish*
- 193 Paleoindian Societies of the Coastal Southeast, by James S. Dunbar  
*Ervan G. Garrison*
- 194 What Is Paleolithic Art? Cave Paintings and the Dawn of Human Creativity, by Jean Clottes  
*Brian Hayden*
- 195 Orderly Anarchy: Sociopolitical Evolution in Aboriginal California, by Robert L. Bettinger  
*John R. Johnson*
- 196 Knowledge and Power in Prehistoric Societies: Orality, Memory, and the Transmission of Culture, by  
Lynne Kelly  
*Asa R. Randall*
- 197 Beyond the Walls: New Perspectives on the Archaeology of Historic Households, by Kevin R. Fogle,  
James A. Nyman, and Mary C. Beaudry  
*Mark A. Rees*