



ANTIQUITY

www.antiquity.ac.uk Volume 93 • Number 368 • April 2019

A REVIEW OF
WORLD ARCHAEOLOGY

EDITED BY ROBERT WITCHER



EDITOR
Robert Witcher

REVIEWS EDITOR
Claire Nesbitt

ASSOCIATE EDITOR
Rebecca Gowland

EDITORIAL ASSISTANT
Ross Kendall

EDITORIAL MANAGER
Liz Ryan

DEPUTY EDITORIAL MANAGER
Thomas Swindells

EDITORIAL ADDRESS

Antiquity, Department of Archaeology,
Durham University, South Road, Durham DH1 3LE, UK
Tel: +44 (0) 191 3341125; Email: editor@antiquity.ac.uk

***Antiquity* is an international, peer-reviewed journal of archaeological research that aims to communicate the most significant discoveries, theory, method and cultural resource issues rapidly and in plain language to practising archaeologists everywhere.**

Antiquity is included in the Cambridge Journals Online service at <http://journals.cambridge.org/AQY>. Additional and free-to-access material may be found at <http://antiquity.ac.uk>

Antiquity was founded in 1927 by O.G.S. Crawford and is owned by the Antiquity Trust, a registered charity. The trustees of the Antiquity Trust are **Graeme Barker, Amy Bogaard, Robin Coningham, Barry Cunliffe, Roberta Gilchrist, Anthony Harding, Martin Millett, Nicky Milner, Stephanie Moser and Cameron Petrie.**

The Directors of Antiquity Publications Ltd, owned by the Antiquity Trust and responsible for producing *Antiquity* are **Chris Gosden, Sue Hamilton, Nicky Milner, Cameron Petrie, Mike Pitts, Marie Louise Stig Sørensen and Robert Witcher.**

EDITORIAL ADVISORY BOARD

Peter Bellwood, <i>The Australian National University, Australia</i>	Peter Mitchell, <i>University of Oxford, UK</i>
Xingcan Chen, <i>Chinese Academy of Social Sciences, Beijing</i>	Timothy Pauketat, <i>University of Illinois, USA</i>
Eduardo Goés Neves, <i>Universidade de São Paulo, Brazil</i>	Victor Paz, <i>University of The Philippines, The Philippines</i>
Elizabeth Graham, <i>University College London, UK</i>	Michael Petraglia, <i>Max Planck Institute for the Science of Human History, Jena, Germany</i>
Charles Higham, <i>University of Otago, New Zealand</i>	Innocent Pikirayi, <i>University of Pretoria, South Africa</i>
Corinne Hofman, <i>Leiden University, the Netherlands</i>	Susan Pollock, <i>Freie Universität Berlin, Germany</i>
Stephen Houston, <i>Brown University, USA</i>	Natalia Shishlina, <i>State Historical Museum, Moscow, Russia</i>
Timothy Insoll, <i>University of Exeter, UK</i>	Benjamin Smith, <i>University of Western Australia, Australia</i>
Susan Keech McIntosh, <i>Rice University, USA</i>	Claire Smith, <i>Flinders University, Australia</i>
Ian Kuijt, <i>University of Notre Dame, USA</i>	Monica Smith, <i>University of California, Los Angeles, USA</i>
Kevin Lane, <i>Universidad de Buenos Aires, Argentina</i>	Miriam Stark, <i>University of Hawai'i-Manoa, USA</i>
Akira Matsuda, <i>University of Tokyo, Japan</i>	Sarah Tarlow, <i>University of Leicester, UK</i>
Barbara Mills, <i>University of Arizona, USA</i>	

Antiquity is published six times a year by Cambridge University Press for Antiquity Publications Ltd: February, April, June, August, October, December.

Advertising enquiries to the publisher at advertising@cambridge.org

©Antiquity Publications 2019. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying or otherwise, without permission in writing from Cambridge University Press. Permission to copy (for users in the USA) is available from Copyright Clearance Center, <http://www.copyright.com>, email: info@copyright.com.

This journal issue has been printed on FSC™-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organisation established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

Printed by Bell & Bain Limited, Glasgow, UK.

Design: Barry Perks (www.yo-yo.uk.com)

Typesetting: Nova Techset Private Limited, Bengaluru & Chennai, India.

Subscriptions can be purchased from Cambridge University Press and online at <https://www.cambridge.org/core/journals/antiquity/subscribe>

Front cover: *Limestone wall inside Manitou Cave, Alabama, USA, where historical and modern tourist graffiti cover the lower, eye-level sections of wall, while early nineteenth-century Cherokee syllabary inscriptions reflecting religious communications are positioned high on the ceiling above. Cherokee scholars Beau Duke Carroll (an archaeologist from the Eastern Band of Cherokee Indians) and Julie Reed (an historian from the Cherokee Nation of Oklahoma) are shown examining the various inscriptions (photograph by A. Cressler). For further details, see the full article by Carroll et al. in this issue.*

ANTIQUITY

Volume 93

Number 368

April 2019

Editorial	289
Robert Witcher	
Research	
Expanding the horizons of Palaeolithic rock art: the site of Romualdova Pečina	297
Aitor Ruiz-Redondo, Darko Komšo, Diego Garate Maidagan, Oscar Moro-Abadía, Manuel Ramón González-Morales, Jacques Jaubert & Ivor Karavanić	
Nine-thousand years of optimal toolstone selection through the North American Holocene	313
Jeremy C. Williams, Diana M. Simone, Briggs Buchanan, Matthew T. Boulanger, Michelle R. Bebbler & Metin I. Eren	
Prosperity and complexity without farming: the South China Coast, c. 5000–3000 BC	325
Hsiao-chun Hung	
A well-preserved Michelsberg Culture domed oven from Kortrijk, Belgium	342
Dimitri Teetaert, Nathalie Baeyens, Yves Perdaen, Géraldine Fiers, Tim De Kock, Luc Allemeersch, Mathieu Boudin & Philippe Crombé	
The origins of Avebury	359
Mark Gillings, Joshua Pollard & Kristian Strutt	
Mortuary ritual and social identities during the late Dawenkou period in China	378
Yu Dong, Liugen Lin, Xiaoting Zhu, Fengshi Luan & Anne P. Underhill	
The earliest Bronze Age culture of the south-eastern Gobi Desert, Mongolia	393
Joshua Wright, Galdan Ganbaatar, William Honeychurch, Batdalai Byambatseren & Arlene Rosen	
Investigating the spatial organisation of Bronze and Iron Age fortress complexes in the South Caucasus	412
Nathaniel L. Erb-Satullo, Dimitri Jachvliani, Tuna Kalayci, Marine Puturidze & Katie Simon	
The ironworking remains in the royal city of Meroe: new insights on the Nile Corridor and the Kingdom of Kush	432
Chris Carey, Frank Stremke & Jane Humphris	
The monastic mosaic at Mount Nebo, Jordan: biogeochemical and epigraphical evidence for diverse origins	450
Margaret Judd, Lesley Gregoricka & Debra Foran	

Rethinking the early Viking Age in the West David Griffiths	468
Was there mid Holocene habitation in Madagascar? A reconsideration of the OSL dates from Lakaton'i Anja Atholl Anderson	478
The Aberdeen Celt: an early twentieth-century Olmec find Norman Hammond & Karl Taube	488
Demystifying jadeite: an underwater Maya discovery at Ek Way Nal, Belize Heather McKillop, George Harlow, April Sievert, C. Wayne Smith & Michael C. Wiemann	502
Talking stones: Cherokee syllabary in Manitou Cave, Alabama Beau Duke Carroll, Alan Cressler, Tom Belt, Julie Reed & Jan F. Simek	519

Reviews

Review article

Archaeology and the built environment of early medieval England DUNCAN W. WRIGHT <i>Building Anglo-Saxon England</i> John Blair <i>Early medieval Britain: the rebirth of towns in the post-Roman West</i> Pam J. Crabtree	537
--	-----

Book reviews

Ethan E. Cochrane & Terry L. Hunt <i>The Oxford handbook of prehistoric Oceania</i> PETER J. SHEPPARD	540
Nicky Milner, Chantal Conneller & Barry Taylor (ed.) <i>Star Carr volume 1: a persistent place in a changing world</i> & <i>Star Carr volume 2: studies in technology, subsistence and environment</i> STEPHANIE F. PIPER	541
D. Shane Miller <i>From colonization to domestication: population, environment, and the origins of agriculture in eastern North America</i> KRISTEN J. GREMILLION	543
M. Kathryn Brown & G.J. Bey III (ed.) <i>Pathways to complexity: a view from the Maya lowlands</i> SARAH E. NEWMAN	544
Timothy Bruce Mitford <i>East of Asia Minor: Rome's hidden frontier</i> JAMES CROW	546
Val Dufeu <i>Fish trade in medieval North Atlantic societies: an interdisciplinary approach to human ecodynamics</i> SARAH NEWSTEAD	547

Joanne Clarke & Nick Brooks (ed.) <i>The archaeology of Western Sahara: a synthesis of fieldwork, 2002 to 2009</i> MARIA CARMELA GATTO	549
Eleanor Harrison-Buck & Julia A. Hendon (ed.) <i>Relational identities and other-than-human agency in archaeology</i> OLIVER J.T. HARRIS	550
Andrew Reinhard <i>Archaeogaming: an introduction to archaeology in and of video games</i> JUAN HIRIART	551
Chris Carey, Andy J. Howard, David Knight, Jane Corcoran & Jen Heathcote (ed.) <i>Deposit modelling and archaeology</i> HENRY CHAPMAN	553
New Book Chronicle	555
Claire Nesbitt	
Corrigendum	
Review by Vincent Megaw of Andy M. Jones & Henrietta Quinnell (ed.). <i>An intellectual adventurer in archaeology: reflections on the work of Charles Thomas</i> J.V.S. MEGAW	561

Project Gallery on the website (<http://www.cambridge.org/core/journals/antiquity/project-gallery>)

H.A.R.P.: investigating Mesolithic landscapes of life and death at the western edge of Europe

Aimée Little, Ben Elliott, Tracy Collins, Edward Blinkhorn, Frank Coyne, Graeme Warren, Gabriel Cooney & Rick Schulting

Abandonment processes at Middle Bronze Age Erimi: a multi-scalar approach
Marialucia Amadio & Luca Bombardieri

Surveying an Adriatic landscape: non-invasive survey approaches to pre-Roman sites in the ancient *Ager Gallicus*, Italy

Federica Boschi

Arras 200: revisiting Britain's most famous Iron Age cemetery

Peter Halkon, James Lyall, John Deverell, Tony Hunt & Manuel Fernández-Götz

Feeding Anglo-Saxon England: the bioarchaeology of an agricultural revolution

Helena Hamerow, Amy Bogaard, Mike Charles, Christopher Ramsey, Richard Thomas, Emily Forster, Matilda Holmes, Mark McKerracher, Samantha Neil & Elizabeth Stroud

The antiquity of Jaffna Fort: new evidence from post-disaster archaeological investigations in northern Sri Lanka

Christopher Davis, Robin Coningham, Prishanta Gunawardhana, P. Pushparatnam, Armin Schmidt & Mark Manuel