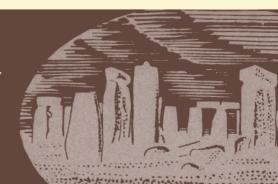


www.antiquity.ac.uk Volume 90 • Number 353 • October 2016

## A REVIEW OF WORLD ARCHAEOLOGY

**EDITED BY CHRIS SCARRE** 



**EDITOR** Chris Scarre

REVIEWS EDITOR Robert Witcher

EDITORIAL MANAGER

Jo Dean and Kate Sharpe

#### **EDITORIAL ASSISTANTS**

Thomas Swindells James Walker

#### **EDITORIAL ADDRESS**

Antiquity, Dept. of Archaeology,
Durham University, South Road, Durham DH1 3LE, UK
Tel: +44 (0) 191 3341125; Fax: +44 (0) 191 3341101; 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 content, the Project Gallery, 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**, **Paul Mellars**, **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, Nicky Milner, Cameron Petrie, Mike Pitts and Chris Scarre.

#### EDITORIAL ADVISORY BOARD

Sarah Allan Dartmouth University, USA
Peter Bellwood The Australian National University, Australia
Xingcan Chen, Chinese Academy of Social Sciences, Beijing
Eduardo Goés Neves, Universidade de São Paulo, Brazil
Elizabeth Graham, University College London, UK
Christine Hastorf, University of California Berkeley, USA
Charles Higham, University of Otago, New Zealand
Stephen Houston, Brown University, USA
Timothy Insoll, University of Exeter, UK
Susan Keech McIntosh, Rice University, USA
Ian Kuijt, University of Notre Dame, USA
Kevin Lane, Archaeological Officer, HM Government of Gibnaltar
Li Liu, Stanford University, USA

Peter Mitchell, University of Oxford, UK
Timothy Pauketat, University of Illinois, USA
Victor Paz, University of The Philippines, The Philippines
Michael Petraglia, Max Planck Institute for the Science of
Human History, Germany
Innocent Pikirayi, University of Pretoria, South Africa
Susan Pollock, Freie Universität Berlin, Germany
Natalia Shishlina, State Historical Museum, Moscow, Russia
Benjamin Smith, University of Western Australia, Australia
Claire Smith, Flinders University, Australia
Monica Smith, UCLA Los Angeles, USA
Melinda Zeder, National Museum of Natural History,
Smithsonian Institution, USA

Barbara Mills, University of Arizona, USA

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 2016. 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 FSCTM-certified paper and cover board. FSC is an independent, nongovernmental, not-for-profit organization 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: Aptara Inc, New Delhi, India

Front cover: Remnants of a tower kiva emanating above the unexcavated rubble mound of Kin Ya'a, a monumental great house affiliated with the twelfth-century AD ceremonial centre of Chaco Canyon in New Mexico, USA. Photograph by Tom Vaughan of FeVa Fotos.

# ANTIQUITY

Volume 90 Number 353 October 2016

Editorial	1145
Research	
The eastern Asian 'Middle Palaeolithic' revisited: a view from Korea Chuntaek Seong & Christopher J. Bae	1151
Hunting dogs as environmental adaptations in Jōmon Japan Angela R. Perri	1166
The Desert Fayum at 80: revisiting a Neolithic farming community in Egypt Noriyuki Shirai	1181
Settlement layout and social organisation in the earliest European Neolithic Martin Furholt	1196
How long does it take to burn down an ancient Near Eastern city? The study of experimentally heated mud-bricks Mathilde C.L. Forget & Ruth Shahack-Gross	1213
Early pottery in the North American Upper Great Lakes: exploring traces of use James M. Skibo, Mary E. Malainey & Susan M. Kooiman	1226
The early history of the Greek alphabet: new evidence from Eretria and Methone John K. Papadopoulos	1238
Rice, beans and trade crops on the early maritime Silk Route in Southeast Asia Cristina Cobo Castillo, Bérénice Bellina & Dorian Q Fuller	1255
The anthropology and history of rock art in the Lower Congo in perspective Geoffroy Heimlich	1270
Pottery technology, settlement and landscape in Antofagasta de la Sierra (Catamarca, Argentina) Aixa Vidal & Martina Pérez	1286
A GIS-based viewshed analysis of Chacoan tower kivas in the US Southwest: were they for seeing or to be seen?  John Kantner & Ronald Hobgood	1302
The death of Kaakutja: a case of peri-mortem weapon trauma in an Aboriginal man from north-western New South Wales, Australia Michael Westaway, Douglas Williams, Richard Wright, Rachel Wood, Jon Olley, Jaime Swift, Sarah Martin, Justine Kemp, Shane Rolton & William Bates	1318
Firewood of the Napoleonic Wars: the first application of archaeological charcoal analysis to a military camp in the north of France (1803–1805)  Aurélie Salavert, Germain Hello & Frédéric Lemaire	1334

in 'Gold Rush' Australia Susan Lawrence, Peter Davies & Jodi Turnbull	1,740
Method	
The application of quick response (QR) codes in archaeology: a case study at Telperion Shelter, South Africa Tim Forssman, Jacqueline Jordaan, Katherine Forssman, Gerhard Jordaan & Christian Louw	1363
Debate	
Doctors, chefs or hominin animals? Non-edible plants and Neanderthals Karen Hardy, Stephen Buckley & Michael Huffman	1373
'Egypt': legitimation at the museum N. James	1380
Neo-Prehistory—Exist. Regenerate. Repeat? Christopher Chippindale	1383
Reviews	
Review articles	
Gods and scholars: archaeologies of religion in the Near East YORKE ROWAN	1387
Defining the sacred: approaches to the archaeology of religion in the Near East Nicola Laneri (ed.)	
Religion at work in a Neolithic society: vital matters Ian Hodder (ed.)	
The Vikings in Ireland: longphuirt and legacy JULIAN D. RICHARDS	1390
Viking graves and grave-goods in Ireland Stephen H. Harrison & Raghnall Ó Floinn	
The Vikings in Ireland and beyond: before and after the Battle of Clontarf Howard B. Clarke & Ruth Johnson (ed.)	
In search of mound-builder histories TIMOTHY R. PAUKETAT	1393
American antiquities: revisiting the origins of American archaeology Terry A. Barnhart	
Ancestral mounds: vitality and volatility of Native America Jay Miller	
Rethinking Moundville and its hinterland C. Margaret Scarry & Vincas P. Steponaitis (ed.)	
Roundhouses and railways: developer-funded archaeology in England $\operatorname{ADRIAN}\nolimits$ M. Chadwick	1396
The Iron Age and Romano-British settlement at Crick Covert Farm: excavations 1997–1998 Gwilym Hughes & Ann Woodward	
Origins, development and abandonment of an Iron Age village. Further archaeological investigations for the Daventry international rail freight terminal, Crick & Kilsby, Northamptonshire 1993–2013 Robert Masefield (ed.)	

#### **Book reviews**

2001.101.101.10	
Bruno Bizot & Gérard Sauzade (ed.) <i>Le dolmen de l'Ubac à Goult (Vaucluse).</i> Archéologie, environnement et évolution des gestes funéraires dans un contexte stratifié  LUC LAPORTE	1400
Glenn M. Schwartz (ed.) Rural archaeology in early urban northern Mesopotamia: excavations at Tell al-Raqa'i ROGER MATTHEWS	1401
Roland Gauss Früher Bergbau und Metallurgie auf der Iberischen Halbinsel 1: Zambuja und die Anfänge der Metallurgie in der Estremadura (Portugal). Technologie der Kupfergewinnung, Herkunft des Metalls und soziokulturelle Bedeutung der Innovation DIRK BRANDHERM	l 1402
Richard Davis <i>The Late Bronze Age spearheads of Britain</i> Christian Horn	1403
Frank Förster <i>Der Abu Ballas-Weg. Eine pharaonische Karawanenroute durch die Libysche Wüste</i> IAN SHAW	1405
Gilbert J. Gorski & James E. Packer <i>The Roman Forum: a reconstruction and architectural guide</i> RAY LAURENCE	1406
Peter Halkon, Martin Millett & Helen Woodhouse (ed.) Hayton, East Yorkshire: archaeological studies of the Iron Age and Roman landscapes. Volumes 1 & 2 MICHAEL FULFORD	1408
Urs Peschlow, with a contribution by Wolfram Brandes <i>Ankara: Die bauarchäologischen Hinterlassenschaften aus römischer und byzantinischer Zeit</i> PHILIPP NIEWÖHNER	1409
Cheryl Green & Roberta Gilchrist <i>Glastonbury Abbey: archaeological investigations</i> 1904–79 DEIRDRE O'SULLIVAN	1411
Tim Tatton-Brown & Warwick Rodwell (ed.) Westminster I: the art, architecture and archaeology of the royal abbey and Westminster II: the art, architecture and archaeology of the royal palace Tom Beaumont James	1412
Jan J. Boersema <i>The survival of Easter Island: dwindling resources and cultural resilience</i> TERRY HUNT	1414
New Book Chronicle	1417

#### Project Gallery on the website (http://journals.cambridge.org/aqy)

New Palaeolithic and Mesolithic sites in the eastern Aegean: the Karaburun Archaeological Survey Project

Ç. Çilingiroğlu, B. Dinçer, A. Uhri, C. Gürbıyık, İ. Baykara & C. Çakırlar http://dx.doi.org/10.15184/aqy.2016.168

Robert Witcher

New investigations at the Middle Stone Age site of Pockenbank Rockshelter, Namibia Isabell Schmidt, Götz Ossendorf, Elena Hensel, Olaf Bubenzer, Barbara Eichhorn, Lothar Gessert, Goodman Gwasira, Felix Henselowsky, Emma Imalwa, Martin Kehl, Janet Rethemeyer, Astrid Röpke, Judith Sealy, Ingrid Stengel & Madelon Tusenius http://dx.doi.org/10.15184/aqy.2016.165

## A fifth-millennium BC cemetery in the north Persian Gulf: the Zohreh Prehistoric Project

Abbas Moghaddam http://dx.doi.org/10.15184/aqy.2016.166

## Re-survey and spatial analysis of landscape developments during the first millennium BC on Cyprus

Catherine Kearns http://dx.doi.org/10.15184/aqy.2016.164

## Seeds of collapse? Reconstructing the ancient agricultural economy at Shivta in the Negev

Daniel Fuks, Ehud Weiss, Yotam Tepper & Guy Bar-Oz http://dx.doi.org/10.15184/aqy.2016.167