ANTIQUITY

www.antiquity.ac.uk Volume 88 • Number 340 • June 2014

A QUARTERLY REVIEW OF
WORLD ARCHAEOLOGY

EDITED BY CHRIS SCARRE

<https://doi.org/10.1017/S0003598X0050074X> Published online by Cambridge University Press

ISSN 0003 598X

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

The *Antiquity* website provides access to all the articles published in *Antiquity* since 1927, together with the Project Gallery, a free access addition to the journal providing news on ongoing projects from around the world. Find us 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, Warwick Bray, Robin Coningham, Barry Cunliffe, Chris Gosden, Anthony Harding, Paul Mellars, Martin Millett, Nicky Milner, Cameron Petrie, Colin Renfrew and Stephen Shennan.**

The Directors of Antiquity Publications Ltd., owned by the Antiquity Trust and responsible for producing *Antiquity*, are **Martin Millett, Nicky Milner, Cameron Petrie, Mike Pitts, Andrew Rogerson and Chris Scarre.** *Antiquity* is edited at the Department of Archaeology, Durham University, UK (Head: Chris Gerrard). *Antiquity* is published quarterly in March, June, September and December.

Editor:

Chris Scarre

Editorial Manager:

Jo Dean

Reviews Editor:

Robert Witcher

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

Website: <http://antiquity.ac.uk>

Advertising enquiries to:

Jo Dean

(assistant@antiquity.ac.uk)

Design:

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

Production management by:

Portland Press Limited

Composition by:

Aptara Inc., New Delhi, India

Printed by:

Charlesworth Press, Wakefield

Editorial Advisory Board

Sarah Allan sarah.allan@dartmouth.edu, Dartmouth University, USA

Peter Bellwood peter.bellwood@anu.edu.au, The Australian National University, Australia

Xingcan Chen chen.xingcan10@gmail.com, Chinese Academy of Social Sciences, China

Francesco D'Errico francesco.d-errico@pacea.u-bordeaux1.fr, Université Bordeaux 1, France

Eduardo Goés Neves edgneves@usp.br, Universidade de São Paulo, Brazil

Elizabeth Graham e.graham@ucl.ac.uk, University College London, UK

Christine Hastorf hastorf@berkeley.edu, University of California Berkeley, USA

Charles Higham charles.higham@stonebow.otago.ac.nz, University of Otago, New Zealand

Augustin Holl augustin.holl@mae.u-paris10.fr, Université de Paris Ouest Nanterre la Défense, France

Stephen Houston stephen_houston@brown.edu, Brown University, USA

Timothy Insoll tim.insoll@manchester.ac.uk, University of Manchester, UK

Susan Keech McIntosh skmci@rice.edu, Rice University, USA

Ian Kuijt ian.kuijt.1@nd.edu, University of Notre Dame, USA

Kevin Lane kevin.lane@cantab.net, University of Cambridge, UK

Li Liu liliu@stanford.edu, Stanford University, USA

Naoko Matsumoto naoko_m@cc.okayama-u.ac.jp, Okayama University, Japan

Barbara Mills bmills@arizona.edu, University of Arizona, USA

Peter Mitchell peter.mitchell@st-hughs.ox.ac.uk, University of Oxford, UK

Timothy Pauketat pauketat@illinois.edu, University of Illinois, USA

Victor Paz victor.paz@up.edu.ph, University of the Philippines, the Philippines

Susan Pollock s.pollock@fu-berlin.de, Freie Universität, Germany

Natalia Shishlina nshishlina@mail.ru, State Historical Museum, Russia

Benjamin Smith benjamin.smith@uwa.edu.au, University of Western Australia, Australia

Claire Smith claire.smith@flinders.edu.au, Flinders University, Australia

Melinda Zeder zederm@si.edu, National Museum of Natural History, Smithsonian Institution, USA

© Antiquity Publications 2013.
All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without either the prior written permission of the Publishers or a license permitting restricted copying issued in the UK by the Copyright Licensing Agency Ltd, 90 Tottenham Court Road, London W1P 9JP or in the USA by the Copyright Clearance Center, 27 Congress Street, Salem, MA 01970, USA.

Periodicals Postage Paid at Rahway, NJ.

US agent: Mercury International, 365 Blair Road, Avenel, NJ 07001.

Postmaster: Address changes to *Antiquity*, Mercury International, 365 Blair Road, Avenel, NJ 07001.

Cover image: Bronze Age fortification at La Bastida, Murcia, Spain.
©ASOME-UAB

ANTIQUITY

Volume 88

Number 340

June 2014

Editorial	357
Research	
A recipe for disaster: emerging urbanism and unsustainable plant economies at Early Bronze Age Ras an-Numayra, Jordan Chantel E. White, Meredith S. Chesson & R. Thomas Schaub	363
Catacomb culture wagons of the Eurasian steppes N.I. Shishlina, D.S. Kovalev & E.R. Ibragimova	378
The La Bastida fortification: new light and new questions on Early Bronze Age societies in the western Mediterranean Vicente Lull, Rafael Micó, Cristina Rihuete-Herrada & Roberto Risch	395
Re-examining stone 'wrist-guards' as evidence for falconry in later prehistoric Britain Robert J. Wallis	411
A potter's workshop from Middle Bronze Age Cyprus: new light on production context, scale and variability David Frankel & Jennifer M. Webb	425
Tracking the social lives of things: biographical insights into Bronze Age pottery in Spain Antonio Blanco-González	441
'Gifts for the gods': lake-dwellers' macabre remedies against floods in the Central European Bronze Age Francesco Menotti, Benjamin Jennings & Hartmut Gollnisch-Moos	456
Tracking ancient beach-lines inland: 2600-year-old dentate-stamped ceramics at Hopo, Vailala River region, Papua New Guinea Robert Skelly, Bruno David, Fiona Petchey & Matthew Leavesley	470
The earliest dental prosthesis in Celtic Gaul? The case of an Iron Age burial at Le Chêne, France Guillaume Seguin, Emmanuel d'Incau, Pascal Murail & Bruno Maureille	488
Wroxeter and the end of Roman Britain Alan Lane	501
Fish for the city: meta-analysis of archaeological cod remains and the growth of London's northern trade David C. Orton, James Morris, Alison Locker & James H. Barrett	516
The chronology and collapse of pre-Aztec raised field (<i>chinampa</i>) agriculture in the northern Basin of Mexico Christopher T. Morehart & Charles Frederick	531
The hidden paintings of Angkor Wat Noel Hidalgo Tan, Im Sokrithy, Heng Than & Khieu Chan	549

Method

- Prehistory by Bayesian phylogenetics? The state of the art on Indo-European origins** 566
Paul Heggarty
- Geophysical survey at Late Bronze Age fortresses: comparing methods in the diverse geological contexts of Armenia** 578
Ian Lindsay, Jeffrey Leon, Adam T. Smith & Conner Wiktorowicz
- New applications of photogrammetry and reflectance transformation imaging to an Easter Island statue** 596
James Miles, Mike Pitts, Hembo Pagi & Graeme Earl

Debate

- The origins of the first settlers in the Americas**
- On thin ice: problems with Stanford and Bradley's proposed Solutrean colonisation of North America** 606
Michael J. O'Brien, Matthew T. Boulanger, Mark Collard, Briggs Buchanan, Lia Tarle, Lawrence G. Straus & Metin I. Eren
- Reply to O'Brien *et al.*** 614
Dennis Stanford & Bruce Bradley
- Solutreanism** 622
Michael J. O'Brien, Matthew T. Boulanger, Mark Collard, Briggs Buchanan, Lia Tarle, Lawrence G. Straus & Metin I. Eren
- Is there something missing in scientific provenance studies of prehistoric artefacts?** 625
A. Mark Pollard, Peter J. Bray & Chris Gosden
- The changing careers of Vere Gordon Childe** 632
Robin Derricourt
- Near Eastern archaeology and the Arab Spring: avoiding the ostrich effect** 639
Michael D. Danti
- New era for Stonehenge** 644
Christopher Chippindale, Chris Gosden, N. James, Mike Pitts & Chris Scarre

Reviews

- Review articles**
- Tracking prehistoric migrations** COLIN RENFREW & PETER FORSTER reviewing 658
First migrants: ancient migration in global perspective Peter Bellwood
Ancestral journeys: the peopling of Europe from the first venturers to the Vikings Jean Manco
- A milestone in medieval urban archaeology** DAVID H. CALDWELL reviewing 660
Perth High Street: archaeological excavation 1975–77. Fascicule 1: the excavations at 75–95 High Street and 5–10 Mill Street, Perth David Perry, Hilary Murray, Tom Beaumont
James & Nicholas Q. Bogdan

Perth High Street: archaeological excavation 1975–77. Fascicule 2: the ceramics, the metalwork and the wood Derek W. Hall & numerous other contributors

Perth High Street: archaeological excavation 1975–77. Fascicule 3: the textiles and the leather P.Z. Dransart & numerous other contributors

Perth High Street: archaeological excavation 1975–77. Fascicule 4: living and working in a medieval Scottish burgh. Environmental remains and miscellaneous finds G.W.I. Hodgson & numerous other contributors

Cultural heritage management: power, values and identity ANA PEREIRA RODERS 663
reviewing

US cultural diplomacy and archaeology. Soft power, hard heritage Christina Luke & Morag Kersel

Heritage management, tourism, and governance in China Robert J. Shepherd & Larry Yu

UNESCO, cultural heritage and Outstanding Universal Value. Value-based analyses of the World Heritage and Intangible Cultural Heritage Conventions Sophia Labadi

Book reviews

Sarah Tarlow & Liv Nilsson Stutz (ed.) *The Oxford handbook of the archaeology of death and burial* MIKE PARKER PEARSON 667

Rudolph Kuper (ed.) *Wadi Sura: the Cave of Beasts. A rock art site in the Gilf Kebir (SW-Egypt)* PAUL G. BAHN 668

Simone Mulazzani (ed.) *Le Capsien de Hergla (Tunisie): culture, environnement et économie* NICK BARTON 670

Fotis Ifantidis *Archaeographies: excavating Neolithic Dispilio* DRAGOS GHEORGHIU 671

Harry Fokkens & Anthony Harding (ed.) *The Oxford handbook of the European Bronze Age* KRISTIAN KRISTIANSEN 672

Scott Redford & Nina Ergin (ed.) *Cities and citadels in Turkey: from the Iron Age to the Seljuks* CHARLES GATES 674

Andrew Bevan & James Conolly *Mediterranean islands, fragile communities and persistent landscapes: Antikythera in long-term perspective* ULLA RAJALA 676

A. Bayliss, J. Hines, K. Høilund Nielsen, G. McCormac & C. Scull *Anglo-Saxon graves and grave goods of the 6th and 7th centuries AD: a chronological framework* SAM LUCY 677

C.J. Lynn & J.A. McDowell *Deer Park Farms: the excavation of a raised rath in the Glenarm Valley, Co. Antrim* AIDAN O'SULLIVAN 679

Paul Yule (ed.) *Late Antique Arabia. Zafār, capital of Ḥimyar: rehabilitation of a 'decadent' society. Excavations of the Ruprecht-Karls-Universität Heidelberg 1998–2010 in the highlands of Yemen* DAVID N. EDWARDS 680

John Carswell, Siran Deraniyagala & Alan Graham *Mantai: city by the sea* ROBIN CONINGHAM 682

Barney Sloane *The Augustinian nunnery of St Mary Clerkenwell, London* DAVID BAKER 683

Mary Miller & Claudia Brittenham *The spectacle of the late Maya court: reflections on the murals of Bonampak* JAMES L. FITZSIMMONS 685

Mike Smith *The archaeology of Australia's deserts* HUW S. GROUCUTT

686

New Book Chronicle

689

Robert Witcher

Project Gallery on the website (<http://antiquity.ac.uk>, click on Antiquity+)

Katta Sai, a Palaeolithic site in the Tian Shan piedmont, Uzbekistan

Małgorzata Kot, Konstantin Pavlenok, Alisher Radzhabov, Svetlana Sneider & Karol Szymczak

New finds of obsidian blades at Neolithic sites in north-eastern Iberia

Juan F. Gibaja, Paloma González, Araceli Martín, Antoni Palomo, M. Àngels Petit, Xavier Plasencia, Gerard Remolins & Xavier Terradas

A discovery of exceptional Neolithic engravings in Buthiers, Seine-et-Marne, France

Serge Cassen, Laurent Lescop, Valentin Grimaud & Duncan Caldwell

Thinking outside the plaza: ritual practices in Preclassic Maya residential groups at Ceibal, Guatemala

Melissa Burham & Jessica MacLellan

The fishermen of Sechura: excavations at a specialised site from the Early Intermediate period, extreme northern Peru

Nicolas Goepfert, Philippe Béarez, Aurélien Christol, Belkys Gutiérrez & Patrice Wuscher

K.R.U. Todd: a forgotten personality in the study of Indian prehistory

Tejal Ruikar

Tatiana Passek: the Soviet Union's most successful female archaeologist

Olga S. Sveshnikova

Mobile internet technologies and the possibilities for public archaeology in Africa: Marakwet, Kenya

Matthew Davies, Agathe Dupeyron & Henrietta L. Moore