



A Quarterly Review of Archaeology

Edited by Martin Carver

Research

Mummies in Bronze Age Britain
Knowing when to consult the oracle at Delphi
Politics and pine trees in Belize
Land tenure in prehistoric Fiji

ANTIQUITY

September 2005

Volume 79 Number 305



Focus on Islam

in Babrain, UAE, Morocco and Turkmenistan

On the Web

An 8000 year old canoe from China
Greek coins in Iran
Fourth millennium BC graffiti from Megiddo

Method

Announcing Lidar
Dating rock art in Australia

Debate

Colin Renfrew's archaeology and language: challenge and response

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 the academy and the profession.

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 **Warwick Bray, John Coles, Barry Cunliffe, Anthony Harding, Paul Mellars, Colin Renfrew, Stephen Shennan** and **David Wilson**.

The Directors of Antiquity Publications Ltd., owned by the Antiquity Trust and responsible for producing *Antiquity*, are **Chris Evans, Joan Oates, Andrew Rogerson, Andrew Sherratt, Richard Skaer, Anthony Snodgrass, Martin Millett** and **Roger Guthrie**.

Antiquity is edited at the Department of Archaeology, University of York, UK (Head: Jane Grenville).

Editor:

Martin Carver

Editorial Assistant:

Emily Smyth

Reviews Editor:

Madeleine Hummler

Editorial address:

Antiquity, King's Manor,

York YO1 7EP

Tel/Fax: **+44 (0) 1904 433994**

Email: **editor@antiquity.ac.uk**

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

Advertising enquiries to:

Emily Smyth

(**webmaster@antiquity.ac.uk**)

Design:

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

Production management by:

Portland Press Ltd.

(**<http://www.portlandpress.com>**).

Composition by:

Techbooks Ltd, Delhi

Printed by:

Cambridge Printing

© Antiquity Publications 2005. 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.

Correspondents

AFRICA

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

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

ASIA

Gina Barnes gina.barnes@durham.ac.uk, University of Durham, UK

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

OCEANIA

Matthew Spriggs matthew.spriggs@anu.edu.au, Australian National University, Australia

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

CRM

Laurajane Smith ls18@york.ac.uk, University of York, UK.

Jane Grenville jcg2@york.ac.uk, University of York, UK.

EUROPE

Paul Bahn pgbahn@anlabryd.karoo.co.uk

Andrew Sherratt andrew-sherratt@ashmus.ox.ac.uk, University of Oxford, UK

Margarita Diaz-Andreu m.diaz-andreu@durham.ac.uk, University of Durham, UK.

INFORMATION SCIENCE

Julian Richards jdr1@york.ac.uk, University of York, UK

JAPAN

Simon Kaner s.kaner@sainsbury-institute.org, Sainsbury Institute for the Study of Japanese Arts and Cultures, UK

NORTH AMERICA

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

Bill Boyd bboyd@scu.edu.au, Southern Cross University, Australia

Doug Kennett dkennett@oregon.uoregon.edu, University of Oregon, USA

PALAEOECOLOGY

Terry O'Connor tpoc1@york.ac.uk, University of York, UK.

Don Brothwell University of York, UK

RUSSIA

Ludmila Koryakova ludmila.koryakova@usu.ru, Ural State University, Russia

MESOAMERICA

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

SOUTH AMERICA

Kevin Lane kjl25@cam.ac.uk, University of Cambridge, UK

THEORY

Stephen Shennan s.shennan@ucl.ac.uk, University College London, UK

ANTIQUITY

Volume 79

Number 305

September 2005

Editorial	501
Research	
Two hiatuses in human bone radiocarbon dates in Britain (17 000 to 5000 cal BP) Stella M. Blockley	505
The spread of farming in the Eastern Adriatic Stašo Forenbaher & Preston T. Miracle	514
Evidence for mummification in Bronze Age Britain Mike Parker Pearson, Andrew Chamberlain, Oliver Craig, Peter Marshall, Jacqui Mulville, Helen Smith, Carolyn Chenery, Matthew Collins, Gordon Cook, Geoffrey Craig, Jane Evans, Jen Hiller, Janet Montgomery, Jean-Luc Schwenninger, Gillian Taylor & Timothy Wess	529
Khirigsuurs, ritual and mobility in the Bronze Age of Mongolia Francis Allard & Diimaajav Erdenebaatar	547
Knowing when to consult the oracle at Delphi Alun Salt & Efrosyni Boutsikas	564
Pine, prestige and politics of the Late Classic Maya at Xunantunich, Belize David L. Lentz, Jason Yaeger, Cynthia Robin & Wendy Ashmore	573
Land tenure, competition and ecology in Fijian prehistory Julie S. Field	586
FOCUS ON ISLAM III	
Archaeology and Islamic identities in Bahrain Timothy Insoll	601
Granaries and irrigation: archaeological and ethnological investigations in the Iberian peninsula and Morocco Johnny De Meulemeester	609
From arrows to bullets: the fortifications of Abdullah Khan Kala (Merv, Turkmenistan) Pierre Brun	616
Wind-towers and pearl fishing: architectural signals in the late nineteenth and early twentieth century Arabian Gulf Ronald Hawker, Daniel Hull & Omid Rouhani	625
Method	
New light on an ancient landscape: lidar survey in the Stonehenge World Heritage Site R.H. Bewley, S.P. Crutchley & C.A. Shell	636

The potential of airborne lidar for detection of archaeological features under woodland canopies 648

B.J. Devereux, G.S. Amable, P. Crow & A.D. Cliff

AMS dating of rock art in the Laura Region, Cape York Peninsula, Australia – protocols and results of recent research 661

Noelene Cole & Alan Watchman

Debate

What language did Neolithic pots speak? Colin Renfrew's European farming-language-dispersal model challenged 679

Kristian Kristiansen

'Indo-European' designates languages: not pots and not institutions 692

Colin Renfrew

Problem formulation and historical context define terminology and relevance – not linguistic formalism 694

Kristian Kristiansen

Reviews

Review articles

Ex India, semper aliquid novi? TERRY O'CONNOR reviewing 696

Indus ethnobiology: new perspectives from the field. Steven A. Weber & William R. Belcher (ed.).

Science in archaeology and archaeo-materials. Arun Kumar Biswas (ed.).

Footprints of the horse-people: new research on Upper Palaeolithic France 698

PAUL PETTITT reviewing

Solutré 1968-1998 (Société Préhistorique Française Mémoire 30). Jean Combier & Anta Montet-White (ed.).

L'art solutréen du Roc de Sers (Charente) (Documents d'archéologie française No. 91). Sophie Tymula.

Pierres gravées du Périgord Magdalénien: art, symboles, territoires (Gallia Préhistoire Supplément 36). Gilles Tosello.

Le Rocher de la Caille: un site magdalénien de plein air au Saut-du-Perron (Société Préhistorique Française Mémoire 31). Huguette Deloge & Louis Deloge (ed.).

Near Eastern monumental reports MICHAEL ROAF reviewing 703

Das Eanna-Heiligtum zur Ur III- und altbabylonischen Zeit (Uruk Architektur II: von der Akkad- bis zur mittelbabylonischen Zeit Teil 1) (Ausgrabungen in Uruk-Warka Endberichte 15,1). Margarete Van Ess.

Nagar in the third millennium BC (Excavations at Tell Brak Vol. 2). David Oates, Joan Oates & Helen McDonald.

Long-term change in prehistoric Cyprus LINDY CREWE reviewing 705

Cyprus Before History: from the earliest settlers to the end of the Bronze Age. Louise Steel.

Mortuary Ritual and Society in Bronze Age Cyprus (Monographs in Mediterranean Archaeology). Priscilla Keswani.

The archaeology of the Sussex landscape DAVID HILLELSON reviewing 707

The archaeology of Sussex to AD 2000. David Rudling (ed.).

Downland settlement and land-use: the archaeology of the Brighton Bypass (UCL Field Archaeology Unit Monograph 1). David Rudling (ed.).

Book reviews

Robert D. Hoppa & James W. Vaupel. *Paleo-demography: Age Distributions from Skeletal Samples.* JANE BUIKSTRA 710

Kelley A. Hays-Gilpin (ed.). *Ambiguous images: gender and rock art.* 711
MARGARITA DIAZ-ANDREU

Marsha Levine, Colin Renfrew & Katie Boyle (ed.). *Prehistoric steppe adaptation and the horse* (McDonald Institute Monograph). ALAN K. OUTRAM 712

Ralph S. Solecki, Rose L. Solecki & Anagnostis P. Agelarakis. *The Proto-Neolithic cemetery in Shanidar Cave.* NICKY MILNER 713

N.C. Flemming (ed.). *Submarine Prehistoric Archaeology of the North Sea: research priorities and collaboration with industry* (CBA Research Report 141). PENNY SPIKINS 714

Magnus Andersson. *Making place in the landscape: early and middle Neolithic societies in two west Scanian valleys.* NICK THORPE 715

O. Belvedere, A. Bertini, G. Boschian, A. Burgio, A. Contino, R.M. Cucco & D. Lauro (ed.). *Himera III.2: Prospezione archeologica nel territorio.* MATTHEW FITZJOHN 716

J. Scott Raymond & Richard L. Burger (ed.). *Archaeology of Formative Ecuador: a symposium at Dumbarton Oaks, 7 and 8 October 1995.* COLIN MCEWAN 717

Rani T. Alexander. *Yaxcabá and the Caste War of Yucatán: an archaeological perspective.* 719
WARWICK BRAY

Christine Lilyquist with James E. Hoch & A.J. Peden. *The tomb of three foreign wives of Tutmosis III.* STEVEN SNAPE 720

Frank Willett with Barbara Blackmun & Emma Lister. *The art of Ife: a descriptive catalogue and database.* CHARLES GORE 721

Junko Habu. *Ancient Jomon of Japan.* NAOKO MATSUMOTO 722

Simon James. *The excavations at Dura-Europos conducted by Yale University and the French Academy of Inscriptions and Lettres, 1928 to 1937: final report VII, the arms and armour and other military equipment.* MICHEL FEUGERE 723

Jacqueline Dentzer-Feydy, Jean-Marie Dentzer, Pierre-Marie Blanc (ed.) with Mikael Kalos & Philippe Tondon. *Hauran II: les installations de SI' 8, du sanctuaire à l'établissement viticole, vol. I texte, vol. II planches* (Bibliothèque Archéologique et Historique 164). DENIS GENEQUAND 725

Friederike Hammer. *Industry in north-west Roman Southwark: excavations 1984-8* (MoLAS Monograph 17). PATRICK OTTAWAY 726

Birte Brugmann. *Glass beads from Early Anglo-Saxon graves: a study of the provenance and chronology of glass beads from Early Anglo-Saxon graves, based on visual examination.* 728
CATH MORTIMER & MIKE HEYWORTH

Gerd Stamsø Munch, Olav Sverre Johansen & Else Roesdahl (ed.). *Borg in Lofoten: a chieftain's farm in North Norway.* NEIL PRICE 729

Richard Fawcett & Richard Oram. <i>Melrose Abbey</i> . GLYN COPPACK	730
Barney Sloane & Gordon Malcolm. <i>Excavations at the priory of the Order of the Hospital of St. John of Jerusalem, Clerkenwell, London</i> (MoLAS Monograph 20). LAWRENCE BUTLER	731
New Book Chronicle	733
Madeleine Hummler	

Obituary

Graham Ritchie	741
Roger Mercer	

On the website (<http://antiquity.ac.uk>)

Deconstruction and reconstruction of fourth millennium BC iconoclastic graffiti Yuval Yekutieli	
Carpentry dates back to Mesolithic Malcolm Lillie	
American archaeology in the Republic of Bénin: recent achievements and future prospects J. Cameron Monroe	
The efficiency of tula adze-flake production – a contrary view, with comments on the suggested use of tula adzes Kim Akerman	
Greek coins of Bactria in western Iran Farhang Khademi Nadooshan, Seyed Sadrudin Moosavi & Forouzadeh Jafarzadeh pour	
The discovery of an 8000-year-old dugout canoe at Kuahuqiao in the Lower Yangzi River, China Leping Jiang & Li Liu	
A Middle Palaeolithic site with blade technology at Al Tiwayrat, Qena, Upper Egypt Pierre M. Vermeersch, Philip Van Peer & Veerle Rots	
A new view of the Olmec ruler in Juxtlahuaca Cave, Guerrero Michael D. Coe	
A mass burial at fourth century BC Pydna, Macedonia, Greece: evidence for slavery S. Triantaphyllou & M. Bessios	
Archaeology, museums and education in Nigeria Samuel Oluwole Ogundele	