



Antiquity is a quarterly peer-reviewed journal which aims to present new research, methods and matters of general professional and public interest accessibly to the extended family of modern archaeology.

The Antiquity website carries news, views and information about research in progress, as well as indices of previous editions. Find us on 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, Lord Renfrew, Stephen Shennan and Sir David Wilson.

The Directors of Antiquity Publications Ltd, owned by the Antiquity Trust and responsible for producing Antiquity are: Joan Oates, Andrew Rogerson, Andrew Sherratt, Richard Skaer and Anthony Snodgrass. Antiquity is hosted by the Department of Archaeology, University of York (Head: Jane Grenville).

#### Editor:

Professor Martin Carver Managing Editor:
Kate Wescombe
Website Manager:
Emily Smyth
Editorial address:
Antiquity, King's Manor,
York YO1 7EP
Tel/Fax: (44) (0) 1904 43

Tel/Fax: (44) (0) 1904 433994 Website: http://antiquity.ac.uk Email: editor@antiquity.ac.uk Reviews Editor:

Dr Nicholas James c/o Department of Archaeology, Downing Street, Cambridge CB2 3DZ

Advertising enquiries to: Emily Smyth Antiquity, King's Manor, York YO1 7EP Tel: (44) (0) 1904 433994 Design:

Email: nj218@cam.ac.uk

Barry Perks www.yo-yo.uk.com Page make-up and printed by: York Publishing Services Ltd www.yps-publishing.co.uk

© Antiquity Publications 2004. 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 Fekri Hassan fekrihassan@hotmail.com, Institute of Archaeology, London, UK Susan McIntosh skmci@rice.edu, Rice University, USA

George Abungu abungu@hotmail.com, National Museums of Kenya, Nairobi, Kenya

#### Asia

Gina Barnes gina.barnes@durham.ac.uk, University of Durham, UK Gamini Wijesuriya gwijesuriya@doc.govt.nz, Department of Archaeology, Sir Marcus Fernando Mawatha, Sri Lanka

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

#### AUSTRALASIA

Claire Smith claire.smith@flinders.edu.au, Flinders University, South Australia Des Kahotea dkahotea@ihug.co.nz, Waikoto University, New Zealand Christophe Sand sand.smp.@gouv.nc, Service des Musées, Noumea, New Caledonia

## Свм

Laurajane Smith &18@york.ac.uk, University of York, UK Jane Grenville jcg2@york.ac.uk, University of York, UK

## EUROPE

Paul Bahn pgbahn@anlabyrd.karoo.co.uk

Margarita Diaz-Andreu m.diaz-andreu@durham.ac.uk, University of Durham, UK Andrew Sherratt andrew.sherratt@ashmus.ox.ac.uk, University of Oxford, UK Richard Hodges r.hodges@uea.ac.uk, University of East Anglia, UK John Chapman j.c.chapman@durham.ac.uk, University of Durham, UK

Information Science

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

## TAPAN

Simon Kaner s.kaner@uea.ac.uk, University of East Anglia, UK

## NORTH AMERICA

Doug Kennett dkennett@oregon.uoregon.edu, University of Oregon, USA Bill Boyd bboyd@scu.edu.au, Southern Cross University, Australia

## PALAFOECOLOGY

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

# SOUTH AMERICA

Steve Houston stephen\_houston@brown.edu, Brown University, USA Alejandro Haber afhaber@ciudad.com.ar, Universidad Nacional de Catamarca, Argentina

## THEORY

Matthew Johnson m.h.johnson@durham.ac.uk, University of Durham, UK

# ANTIQUITY

Vo	lume	78
70	14111	<i>,</i> 0

Number 301

September 2004

Ed	Editorial 50			
Re	search			
	The earliest evidence for clay hearths: Aurignacian features in Klisoura Cave 1, southern Greece P. Karkanas, M. Koumouzelis, J.K. Kozlowski, V. Sitlivy, K. Sobczyk, F. Berna & S. Weine	513 r		
	Birth and death: infant burials from Vlasac and Lepenski Vir Dušan Borić & Sofija Stefanović	526		
	Neanderthal behaviour and stone tool function at the Middle Palaeolithic site of La Quina, France Bruce L. Hardy	547		
	Discovery of the first Neolithic cemetery in Egypt's western desert Michał Kobusiewicz, Jacek Kabaciński, Romuald Schild, Joel D. Irish & Fred Wendorf	566		
	Ounjougou (Mali): A history of holocene settlement at the southern edge of the Sahara E. Huysecom, S. Ozainne, F. Raeli, A. Ballouche, M. Rasse & S. Stokes	579		
	How inscriptions and style reflect politics: the bronzes of King Cuo Xiaolong Wu	594		
	Roman Game Boards from Abu Sha'ar (Red Sea Coast, Egypt) Lynda Mulvin & Steven E. Sidebotham	602		
	'Dark Age Economics' revisited: the English fish bone evidence AD 600-1600 James H. Barrett, Alison M. Locker & Callum M. Roberts	618		
	Saw-toothed sickles and bone anvils: a medieval technique from Spain Montserrat Esteban Nadal & Eudald Carbonell Roure	637		
	High Place: symbolism and monumentality on Mount Moriah, Jerusalem Sandra Scham	647		
Me	ethod			
,	Ochre in hafting in Middle Stone Age southern Africa: a practical role Lyn Wadley, Bonny Williamson & Marlize Lombard	661		
	New evidence for the antiquity of the intestinal parasite <i>Trichuris</i> (whipworm) in Europe Petra Dark	676		
	Direct detection of maize in pottery residues via compound specific stable carbon isotope analysis  Eleanora A. Reber Stephanie N. Dudd. Nikolaas I. van der Merwe & Richard P. Evershed	682		

	Towards three-dimensional non-invasive recording of incised rock art Alice Simpson, Phil Clogg, Margarita Díaz-Andreu & Brian Larkman	692
De	ebate	
	Measures against the illicit trade in cultural objects: the emerging strategy in Britain David Gaimster	699
	The Neolithic transition and European population history Philippe Crombé & Mark Van Strydonck	708
	The Neolithic transition and European population history – a response James Steele, Marina Gkiasta & Stephen Shennan	711
Re	views	
	Review articles	
	Interpreting Pompeian treasures  Damian Robinson reviewing	714
	The natural history of Pompeii. Wilhelmina Feemster Jashemski & Frederick G. Meyer (ed.)	
	The Silver Treasure (The Insula of the Menander at Pompeii Vol. IV) Kenneth S. Painter	
	Roman and Visigothic conditions in Spain A.T. Fear reviewing	717
	Baetica Felix: people and prosperity in southern Spain from Caesar to Septimius Severus Evan W. Haley	
	Vandals to Visigoths: rural settlement patterns in early Medieval Spain Karen Eva Carr	
	The early Church in Egypt and Libya Judith McKenzie	719
	Christliche Architektur in Ägypten (Handbook of Oriental Studies Vol. 62) Peter Grossmann	
	Christian monuments of Cyrenaica J.B. Ward-Perkins & R.G. Goodchild with R.M. Harrison, H.M. Dodge, Sheila Gibson, John Lloyd, Joyce Reynolds & Susan Walker (ed. Joyce Reynolds).	
	The shaping of Medieval north-western Europe Richard Hodges	<b>72</b> 3
	Dunadd: an early Dalriadic capital Alan Lane & Ewan Campbell	
	Kings & warriors, craftsmen & priests in northern Britain AD 550-850 Leslie Alcock	
	Landscapes of power, landscapes of conflict: state formation in the south Scandinavian Iron Ag Tina L. Thurston	re
	Markets in early Medieval Europe: trading and 'productive' sites, 650-850 Tim Pestell & Katharina Ulmschneider (ed.)	

# Book reviews

Takeru Akazawa & Sultan Muhesen (ed.). <i>Neanderthal burials: excavations of the</i> <i>Dederiyeh Cave, Afrin, Syria</i> Lynne Schepartz	728
Stephen Aldhouse-Green (ed.) <i>Paviland Cave and the 'Red Lady': a definitive report</i> . Louise Austin	729
Miles Russell. The early Neolithic architecture of the South Downs (British Archaeological Reports British Ser. 321) and Miles Russell. Monuments of the British Neolithic: the roots of architecture. CAROLINE MALONE	730
Avraham Biran & Rachel Ben-Dov (ed. Avraham Biran). Dan II: a chronicle of the excavations and the Late Bronze Age 'Mycenaean' tomb. DIANA EDELMAN	732
John Collis. The Celts: origins, myths and inventions. RUTH & VINCENT MEGAW	733
Tom Williamson. Shaping Medieval landscapes: settlement, society, environment. David Hall	735
Karin Altenberg. Experiencing landscapes: a study of space and identity in three marginal areas of Medieval Britain and Scandinavia (Lund Studies in Medieval Archaeology No. 31). ALEKS PLUSKOWSK	737
Timothy Insoll. The archaeology of Islam in sub-Saharan Africa. TREVOR H.J. MARCHAND	738
Chris Gaffney & John Gater. <i>Revealing the buried past: geophysics for archaeologists</i> . Tony Johnson	740
Among the new books Nick James	742

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

The Formative Period civic-ceremonial centre of Xochiltenango in Mexico Ronald A. Castanzo & James J. Sheehy

# Prehistoric sites in Northern Armenia

Pavel Dolukhanov, Stepan Aslanian, Evgeny Kolpakov & Elena Belyaeva

Andean highland archaeology: the Cambridge round table on Ancash Sierra Archaeology Alexander Herrera & Kevin Lane

Lithic flake scars, percussive sound and prehistoric symbols James Kences

Radiocarbon evidence of the early colonisation of the Bismarck Archipelago, Papua New Guinea Matthew G. Leavesley & John Chappell

The rise of organisational complexity in mid-first millennium BC Chad Basin Carlos Magnavita, Stefanie Kahlheber & Barbara Eichhorn

Neanderthal economy: recycling stone tools at Poland's Wylotne Shelter Dagmara Mañka, Marek Milewki & Malgorzata Targosz

First Preboral inland site in North Scandinavia discovered in Finnish Lapland Tuija Rankama & Jarmo Kankaanpää

# Belgium's new department of First World War archaeology

Marc Dewilde, Pedro Pype, Mathieu de Meyer, Frederik Demeyere, Wouter Lammens, Janiek Degryse, Franky Wyffels & Nicholas J. Saunders

# Spotting tells from space

Andrew Sherratt

**New** from Antiquity Publications:

# MEGALITHS FROM ANTIQUITY

The third volume of reprinted classic papers explores the theme of British and European megaliths. Thirty-six papers examine four principal themes on megalithic studies. The earliest monuments – the great tombs and dolmens – reveal the extent of megalithic variety. Papers range from Daniel's early studies of British dolmens to more recent debates; the perennial interest in Stonehenge and Avebury has figured prominently in ANTIQUITY and is brought fully up to date. The presence of timber and earth circles as precursors or alternatives to megalithic structures show further variety in ancient monument building. The final section, Beyond the Megaliths, through studies of ancient engineering, archaeoastronomy and sensory archaeology demonstrates the abiding interest in interpretations of function and meaning of the ancient stones. ISBN 0-9539762-2-X

Price: £18.99 (per volume) + £3.00 (£5.00 overseas) postage.

Price to Antiquity subscribers: £15.39 + £3.00 (£5.00 overseas) postage

Celts from Antiquity, the second volume of reprinted classic papers explores a central theme of European Archaeology. Twenty-five papers represent ancient and modern approaches to the study of the Celts; the debate over Celtic identity; key discoveries and reinterpretations in continental archaeology; fieldwork and debate in the Southern British Iron Age; fieldwork and debate in the Scottish Iron Age. Each section is introduced with a personal perspective from the editors to set the articles within current and future trends of Iron Age archaeology. ISBN 0-9539762-1-1

LANDSCAPES FROM ANTIQUITY, the first volume of reprinted classic papers explores a central archaeological theme: Landscapes from Antiquity. Twenty-four papers have been selected to represent ancient and modern landscape approaches, organized into thematic sections: Early studies of Fox and Curwen, aerial photo-graphy of Bradford, Crawford and St Joseph, survey method, integrated regional landscapes, physical, industrial, contested and experienced landscapes. ISBN 0-9539762-0-3

Price: £17.99 (per volume) + £3.00 (£5.00 overseas) postage.

Price to Antiquity subscribers: £14.39 + £3.00 (£5.00 overseas) postage.

Please supply me with:				
copies of Megaliths FROM ANTIQUITY	copies of Landscapes FROM Antiquity	copies of Celts FROM ANTIQUITY		
at: £	+ postage	Total £		
Name				
Address				
I enclose my remittance/Please debit my Mastercard/Visa/Access/American Express for				
£				
Card number		Expiry date		
Signature				
Jointly distributed by Antiquity Publications and Oxbow Books Orders on this form to: Antiquity Publications, King's Manor, York YO1 7EP				