



ANTIQUITY

March 2008

Volume 82 Number 315

A Quarterly Review of World Archaeology

Edited by Martin Carver

Research

Putting megaliths back where they came from

The Qatna lion

A Sicilian import in Bronze Age Devon

Princely burials in early medieval Pomerania

Gruesome death of a traitor

Method

Looting in Iraq - evidence from the air

The production of Maya Blue

On the web

The longest Longhouse in Greenland

A settlement on the upper Tigris

The enclosure wall of Louis XIII's

Versailles residence

Debate

Early archaeologists in India
Beartrice de Cardi looks back

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

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

Antiquity is edited at the Department of Archaeology, University of York, UK (Head: Julian Richards). *Antiquity* is published quarterly in March, June, September and December.

Editor:

Martin Carver

Editorial Assistant:

Jo Tozer

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:

Jo Tozer

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

Design:

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

Production management by:

Portland Press Ltd

Composition by:

Aptara Inc., New Delhi, India

Printed by:

Cambridge University Press

Correspondents

Sarah Allan *sarah.allan@dartmouth.edu*, Dartmouth University, USA (China)

Irina Arzhenseva *iaa@gol.ru*, Russian Academy of Sciences, Russia (Russia)

Paul Bahn *pgbahn@anlabyrd.karoo.co.uk* (Europe)

Xingcan Chen *chenxingcan@hotmail.com*, Chinese Academy of Social Sciences, Beijing (China)

Robin Coningham *r.a.e.coningham@durham.ac.uk*, University of Durham, UK (Asia)

Tim Darvill *tdarvill@bournemouth.ac.uk*, University of Bournemouth, UK (Europe)

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

Junko Habu *habu@sscl.berkeley.edu*, UC Berkeley, USA (Japan)

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

Stephen Houston *stephen_houston@brown.edu*, Brown University, USA (Mesoamerica)

Nicholas James *nj218@cam.ac.uk*, University of Cambridge, UK (Exhibitions)

Matthew Johnson *m.h.johnson@soton.ac.uk*, University of Southampton, UK (Theory)

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

Susan Keech McIntosh *skmi@rice.edu*, Rice University, USA (Africa)

Doug Kennett *dkennett@oregon.uoregon.ed*, University of Oregon, USA (North America)

Genevieve Luescher *g.luescher@bluwwin.ch* (Europe)

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

Kevin Lane *kevin.lane@manchester.ac.uk*, University of Manchester, UK (South America)

Naoko Matamoto *naoko_m@cc.okayama-u.ac.jp*, Okayama University, Japan (Japan)

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

Edgar Peltenburg *e.peltenburg@ed.ac.uk*, Edinburgh University, UK (South-west Asia & Eastern Mediterranean)

Julian Richards *jdr1@york.ac.uk*, University of York, UK (Information Science)

Martin Rundkvist *arador@algonet.se*, (Scandinavia)

Christophe Sand *christophe.sand@gouv.nc*, New Caledonia Museum, New Caledonia (Oceania)

Nathan Schlanger *nathan.schlanger@inrap.fr*, institut national de recherches archéologiques preventives, France (Europe)

Robert Sharer *rsbarer@sas.upenn.edu*, University of Pennsylvania Museum, USA (Mesoamerica)

Alison Sheridan *a.sheridan@nms.ac.uk*, National Museums of Scotland, UK (Europe)

Claire Smith *claire.smith@flinders.edu.au*, Flinders University, Australia (Australasia)

Laura-Jane Smith *ls18@york.ac.uk*, University of York, UK (CRM)

© Antiquity Publications 2008.
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.

ANTIQUITY

Volume 82

Number 315

March 2008

Editorial	7
Research	
Footprints in the sand: appraising the archaeology of the Willandra Lakes, western New South Wales, Australia Harry Allen, Simon Holdaway, Patricia Fanning & Judith Littleton	11
Refitting megaliths in western France Emmanuel Mens	25
Water supply and history: Harappa and the Beas regional survey Rita P. Wright, Reid A. Bryson & Joseph Schuldenrein	37
The Qatna lion: scientific confirmation of Baltic amber in late Bronze Age Syria Anna J. Mukherjee, Elisa Roßberger, Matthew A. James, Peter Pfälzner, Catherine L. Higgitt, Raymond White, David A. Pegg, Dany Azar & Richard P. Evershed	49
From Sicily to Salcombe: a Mediterranean Bronze Age object from British coastal waters Stuart Needham & Claudio Giardino	60
Post-mortem mutilations of human bodies in Early Iron Age Kazakhstan and their possible meaning for rites of burial J. Bendezu-Sarmiento, H.-P. Francfort, A. Ismagulova & Z. Samashev	73
Medieval élite burials in eastern Mecklenburg and Pomerania Felix Biermann	87
A context for the Luzira Head Andrew Reid & Ceri Z. Ashley	99
A traitor's death? The identity of a drawn, hanged and quartered man from Hulton Abbey, Staffordshire Mary E. Lewis	113
Method	
Patterns of looting in southern Iraq Elizabeth C. Stone	125
Finding the early Neolithic in Aegean Thrace: the use of cores Albert J. Ammerman, Nikos Efstratiou, Maria Ntinou, Kosmas Pavlopoulos, Roberto Gabrielli, Kenneth D. Thomas & Marcello A. Mannino	139
The first direct evidence for the production of Maya Blue: rediscovery of a technology Dean E. Arnold, Jason R. Branden, Patrick Ryan Williams, Gary M. Feinman & J. P. Brown	151

Debate

- Exploring the lower Gulf, 1947-2007** 165
Beatrice de Cardi
- Excavating the eternal: an indigenous archaeological tradition in India** 178
Michael A. Cremo
- Contact between the Norse Vikings and the Dorset culture in Arctic Canada** 189
Robert W. Park
- Tutankhamun and the terracotta army** 199
N. James

Reviews

Review articles

- Neanderthals behaving** BECCY SCOTT reviewing 202
When Neanderthals and Modern Humans Met. Nicholas J. Conard (ed.)
The Palaeolithic Occupation of Vogelherd Cave: Implications for the Subsistence Behavior of Late Neanderthals and early Modern Humans. Laura Niven
- Pots and time in Bronze Age Ireland** ALISON SHERIDAN & ALEX BAYLISS reviewing 204
The Dating of Food Vessels & Urns in Ireland. A.L. Brindley
- Climate change, culture history and the rebirth of circumpolar archaeology** 208
PETER JORDAN reviewing
Taymyr: the Archaeology of Northernmost Eurasia. Leonid P. Khlobystin (translated by Leonid Vishniatski & Boris Grudinko, edited by William W. Fitzhugh & Vladimir V. Pitulko)
The Stone Age of Qeqertarsuup Tunua (Disko Bugt): a regional analysis of the Saqqaq and Dorset cultures of Central West Greenland. Jens Fog Jensen
Dynamics of Northern Societies: Proceedings of the SILA/NABO Conference on Arctic and North Atlantic Archaeology, Copenhagen, May 10th-14th, 2004. Jette Arneborg & Bjarne Grønnow (ed.)
- Prehistoric Cyprus: longer *durée* and transformation** ALBERT J. AMMERMAN reviewing 211
Études Chypriotes: Histoire des Campagnes d'Amathonte I. L'occupation du sol au Néolithique. François Briois, Catherine Petit-Aupert & Pierre-Yves Pechoux
Archaeological Perspectives on the Transmission and Transformation of Culture in the Eastern Mediterranean. Joanne Clarke (ed.)
Marki Alonia: an Early and Middle Bronze Age settlement in Cyprus, excavations 1995-2000. David Frankel & Jennifer M. Webb
- Roman harbours under scrutiny** DAVID BLACKMAN reviewing 214
Myos Hormos-Quseir al-Qadim, Roman and Islamic Ports on the Red Sea: Survey and Excavations 1999-2003. David Peacock & Lucy Blue (ed.)
Portus: An Archaeological Survey of the Port of Imperial Rome. Simon Keay, Martin Millett, Lidia Paroli & Kristian Strutt

Archaeology in West Bengal DILIP CHAKRABARTI reviewing	218
<i>An Annotated Archaeological Atlas of West Bengal. Volume 1: Prehistory and Protohistory.</i> B. D. Chattopadhyaya, Gautam Sengupta & Sambhu Chakrabarty (ed.)	
<i>Past and Present: Ethnoarchaeology in India.</i> Gautam Sengupta, Suchira Roychoudhury & Sujit Som (ed.)	
Archaeology, monasticism and Romanitas in northern Britain MARTIN CARVER reviewing	220
<i>Wearmouth and Jarrow Monastic Sites Volume 1.</i> Rosemary Cramp with numerous contributors	
<i>Wearmouth and Jarrow Monastic Sites Volume 2.</i> Rosemary Cramp with numerous contributors	
<i>Excavations at Hoddom, Dumfriesshire: an Early Ecclesiastic Site in South-west Scotland.</i> Christopher Lowe with numerous contributors	
 Book reviews	
Bill Finlayson & Steven Mithen (ed.). <i>The Early Prehistory of Wadi Faynan, Southern Jordan: Archaeological survey of Wadis Faynan, Ghuwayr and al-Bustan and evaluation of the Pre-Pottery Neolithic A site of WF16.</i> OFER BAR-YOSEF	223
Richard Bradley. <i>The Prehistory of Britain and Ireland.</i> ALASDAIR WHITTLE	224
Lynne Bevan. <i>Worshippers and Warriors: reconstructing gender relations in the prehistoric rock art of Naquane National Park, Valcamonica, Brescia, northern Italy.</i> NICK TRUSTRAM EVE	225
Pauline Asingh & Niels Lynnerup (ed.). <i>Grauballe Man: An Iron Age Bog Body Revisited.</i> DON BROTHWELL	227
Patrick Sims-Williams. <i>Ancient Celtic Place-Names in Europe and Asia Minor.</i> T.M. CHARLES-EDWARDS	228
Dominique Pieri. <i>Le commerce du vin oriental à l'époque Byzantine (Vè-VIIIè siècles): le témoignage des amphores en Gaule.</i> MARK JACKSON	229
Bérénice Bellina. <i>Cultural Exchange between India and Southeast Asia: production and distribution of hard stone ornaments (VI c. BC – VI c. AD)/ Echanges culturels entre l'Inde et l'Asie du Sud-Est: production et distribution des parures en roches dures du VIè siècle avant notre ère au VIè siècle de notre ère.</i> CHARLES HIGHAM	230
Jon M. Weeks & Jane A. Hill (ed.). <i>The Carnegie Maya: the Carnegie Institution of Washington Maya Research Program, 1913-1957.</i> NORMAN HAMMOND	231
Katalin Escher. <i>Genèse et évolution du deuxième royaume burgonde (443-534). Les témoins archéologiques.</i> GUY HALSALL	232
Frédéric Adam. <i>Alain-Fournier et ses compagnons d'arme: une archéologie de la Grande Guerre.</i> LAURENT OLIVIER	233
Jean-Pierre Legendre, Laurent Olivier & Bernadette Schnitzler. <i>L'archéologie nazie en Europe de l'Ouest.</i> BETTINA ARNOLD	234
Claire Smith & H. Martin Wobst (ed.). <i>Indigenous Archaeologies: Decolonizing Theory and Practice.</i> LAURAJANE SMITH	236
Alan J. Witten. <i>Handbook of Geophysics and Archaeology.</i> STEPHEN DOBSON	237

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

Project Gallery

Ghour Ghaleh Jan Aqa: a Mannaean fortress in north-western Iran

Ali Binandeh & Bahman Kargar

Stone figures from the *Finol Tokosra* site, Kosrae, eastern Micronesia

Felicia Beardsley

Land management at the bishop's seat, Garðar, medieval Greenland

Paul Buckland, Kevin Edwards, Eva Panagiotakopulu & Edward Schofield

The Longest Longhouse in Greenland

John Darwent, Hans Lange, Genevieve LeMoine & Christyann Darwent

The enclosure wall of Louis XIII's Versailles residence

Jean-Yves Dufour & Jean-Claude Le Guillou

La Ballena: a mining base camp in the southern Nasca region, Peru

Jelmer W. Eerkens, Kevin J. Vaughn, Moises Linares Grados & Matthew J. Edwards

Rice archaeobotany revisited: comments on Liu *et al.* (2007)

Dorian Q Fuller, Ling Qin & Emma Harvey

The Kouris river valley survey project and the land of Alašiya: archaeological and historical researches in Cyprus

Anna Margherita Jasink, Luca Bombardieri & Oliva Menozzi

The Hirbemerdon Tepe Archaeological Project

Nicola Laneri, Mark Schwartz & Jason Ur

The erosive effect of tourism at an Abariginal rock art site on the western edge of the arid zone in south-western Australia

Alana M. Rossi & R. Esmée Webb

The external connections of Early Historic Pattanam, India: the ceramic evidence

K.P. Shajan, P.J. Cherian, R. Tomber & V. Selvakumar

The Punic farmstead at Truncu'e Molas (Sardinia, Italy): excavations 2007

Peter van Dommelen, Carlos Gómez Bellard & Carlo Tronchetti

In Memoriam

Please see details online

New Doctorates

Please see details online