



A Quarterly Review of Archaeology

Edited by Martin Carver

Featured in this issue:

Research

China's earliest writing?

Origins of agriculture in Europe – and Korea

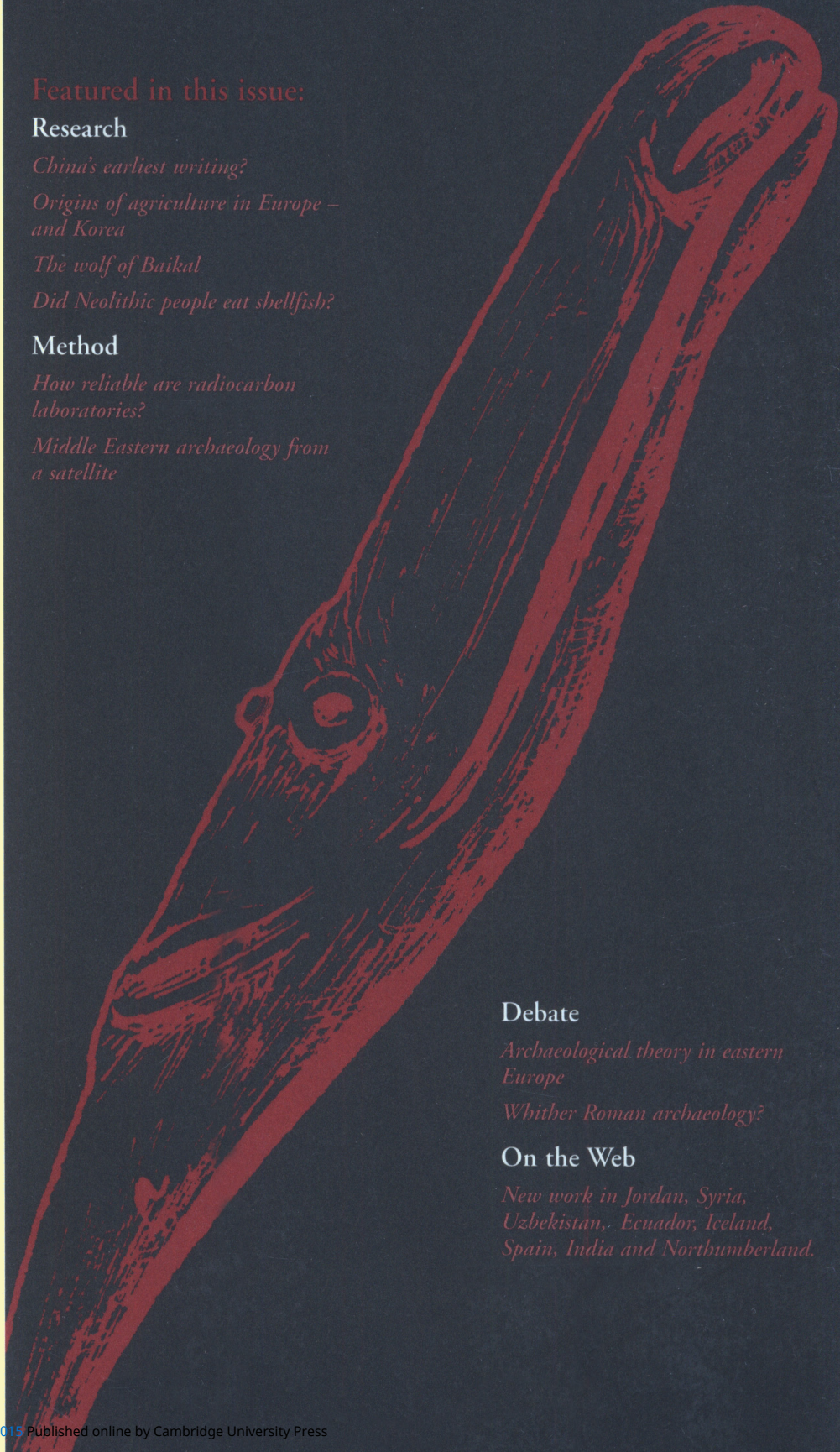
The wolf of Baikal

Did Neolithic people eat shellfish?

Method

How reliable are radiocarbon laboratories?

Middle Eastern archaeology from a satellite



Debate

Archaeological theory in eastern Europe

Whither Roman archaeology?

On the Web

New work in Jordan, Syria, Uzbekistan, Ecuador, Iceland, Spain, India and Northumberland.

ANTIQUITY

March 2003

Volume 77 Number 295

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, 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, Anthony Snodgrass.

Antiquity is hosted by the Department of Archaeology, University of York (Head: Jane Grenville).

Editor:

Professor Martin Carver

Production Manager:

Kate Wescombe

Website Manager:

Emily Smyth

Editorial address:

Antiquity, King's Manor, York

YO1 7EP

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

Email: nj218@cam.ac.uk

Advertising enquiries to:

Emily Smyth,

Antiquity, King's Manor, York

YO1 7EP

Tel: (44) (0) 1904 433994

Design:

Barry Perks www.yo-yo.uk.com

Page make-up and printed by:

York Publishing Services

www.yps-publishing.co.uk

Correspondents

Janet Ambers British Museum, UK (Scientific dating)

jammers@thebritishmuseum.ac.uk

Paul Bahn (General)

pgbahn@anlabyrd.karoo.co.uk

Gina Barnes Durham University, UK (China)

gina.barnes@durham.ac.uk

Warwick Bray 29 Clarence Road, St Albans, Herts AL1 4NP, UK (South America)

Don Brothwell University of York, UK (Palaeoecology)

Clive Gamble University of Southampton, UK (Palaeolithic)

c.s.gamble@soton.ac.uk

Dragos Gheorghiu University of Arts Bucharest, Romania (Eastern Europe)

dgheorghiu@dig.ro

Jane Grenville University of York, UK (Heritage Studies)

jcg2@york.ac.uk

Norman Hammond Boston University, USA (North & Central America)

ndch@bu.edu

Anthony Harding Durham University, UK (Eastern Europe)

a.f.harding@durham.ac.uk

Charles Higham University of Otago, New Zealand (Asia)

charles.higham@stonebow.otago.ac.nz

Matthew Johnson Durham University, UK (Theory)

m.h.johnson@durham.ac.uk

Ludmila Koryakova Ural State University, Russia (Russia)

ludmila.koryakova@usu.ru

Kristian Kristiansen Goteborg University, Sweden (Heritage Studies)

K.Kristiansen@archaeology.gu.se

Kevin Lane (South America)

kjl25@hermes.cam.ac.uk

Terry O'Connor University of York, UK (Palaeoecology)

tpoc1@york.ac.uk

Mike Parker-Pearson University of Sheffield, UK (Ethnoarchaeology)

M.Parker-Pearson@sheffield.ac.uk

Chris Parre Johannes Gutenberg University, Germany (Central Europe),

Paul Pettitt Keble College, Oxford, UK (Palaeolithic)

Paul.Pettitt@keble.oxford.ac.uk

Julian Richards University of York, UK (Information Science)

jdr1@york.ac.uk

Alison Sheridan National Museums of Scotland, UK (Museology)

jas@nms.ac.uk

Andrew Sherratt Ashmolean Museum, UK (Central & Eastern Europe)

andrew.sherratt@ashmus.ox.ac.uk

Laurajane Smith University of York, UK (Australia)

ls18@york.ac.uk

Dean Snow Penn State University, USA (North America)

drs17@psu.edu

Barry Trinder (Industrial Archaeology)

Btrinder@Wheelerwright.fsworld.co.uk

Natalie Venclova Academy of Sciences of the Czech Republic (Eastern Europe)

venclova@arup.cas.cz

© Antiquity Publications 2003.

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.

ANTIQUITY

Volume 77

Number 295

March 2003

Editorial	5
Research	
A Palaeolithic 'Pompeii' at Kostenki, Russia Andrei A. Sinitsyn	9
The Gravettian burial known as the Prince ("Il Principe"): new evidence for his age and diet P.B. Pettitt, M. Richards, R. Maggi & V. Formicola	15
The Wolf of Baikal: the "Lokomotiv" Early Neolithic Cemetery in Siberia (Russia) V.I. Bazaliiskiy & N.A. Savelyev	20
The earliest writing? Sign use in the seventh millennium BC at Jiahu, Henan Province, China Xueqin Li, Garman Harbottle, Juzhong Zhang, Changsui Wang	31
Neolithic transition in Europe: the radiocarbon record revisited Marina Gkiasta, Thambi Russell, Stephen Shennan & James Steele	45
The Neolithic transition in Europe: comparing broad scale genetic and local scale isotopic evidence R. Alexander Bentley, Lounès Chikhi & T. Douglas Price	63
Thoughts on the 'Repacked' Neolithic Revolution Julian Thomas	67
Mesolithic to Neolithic transitions: new results from shell-middens in the western Algarve, Portugal Mary C. Stiner, Nuno Bicho, John Lindly & Reid Ferring	75
Agricultural origins in the Korean Peninsula Gary W. Crawford & Gyoung-Ah Lee	87
In B or not in B: a reappraisal of the Natufian burials at Shukbah Cave, Judaea, Palestine M. Weinstein-Evron	96
Method	
CORONA Satellite Photography and Ancient Road Networks: A Northern Mesopotamian Case Study Jason Ur	102
A wiggle-match date for Polynesian settlement of New Zealand Alan G. Hogg, Thomas F.G. Higham, David J. Lowe, Jonathan G. Palmer, Paula J. Reimer, & Rewi M. Newnham	116

Dating resin coating on pottery: the Spirit Cave early ceramic dates revised	126
C.D. Lampert, I.C. Glover, R.E.M. Hedges, C.P. Heron, T.F.G. Higham, B. Stern, R. Shoocongdej & G.B. Thompson	
Current problems in dating Palaeolithic cave art: Candamo and Chauvet	134
Paul Pettitt & Paul Bahn	
Style, Chauvet and radiocarbon	142
Hélène Valladas & Jean Clottes	
How reliable are radiocarbon laboratories?: A report on the Fourth International Radiocarbon Inter-comparison (FIRI) (1998–2001)	146
Elisabetta Boaretto, Charlotte Bryant, Israel Carmi, Gordon Cook, Steinar Gulliksen, Doug Harkness, Jan Heinemeier, John McClure, Edward McGee, Philip Naysmith, Goran Possnert, Marian Scott, Hans van der Plicht, Mark van Strydonck	
Direct dating of plaster and mortar using AMS Radiocarbon: a pilot project from Khirbet Qana, Israel	155
Jason A. Rech, Alysia A. Fischer, Douglas R. Edwards, A.J. Timothy Jull	
Debate	
Putting the record straight: Rock art and shamanism	165
J. D. Lewis-Williams	
Centres and peripheries amongst archaeologists – archaeological theory after communism	170
Dragos Gheorghiu	
Don't knock the ancestors	172
Mike Pitts	
Roman archaeology: crisis and revolution	178
Simon James	
Review	
Among the new books	185
N. James	
Review article	
Columbus' foundation of Hispanic America BONNIE G. MCEWAN reviewing	192
<i>Columbus' outpost among the Tainos: Spain and America at La Isabela 1493–1498</i>	
Deagan & Cruent	
<i>Archaeology at La Isabela, America's first European town</i> Deagan & Cruent	
Book reviews	
Thorndike Martin, van Dijk <i>et al.</i> <i>The tombs of three Memphite officials, Ramose, Khay and Pabes</i> JOHN H. TAYLOR	195
López Austin & López Luján <i>Mexico's Indigenous Past</i> RICHARD A. DIEHL	196
Bradley <i>The Past in Prehistoric Societies</i> PAUL LANE	198
Winters (ed.) <i>Internet Archaeology</i> KEVIN GREEN	200
Taylor <i>The Buried Soul</i> PHILIP RAHTZ	202

Exhibition review	
The Aztecs in London	203
N. James	
Television review	
What is television doing for us? Reflections of some recent British programmes	206
Catherine Hills	
The Private Lives of Pompeii	212
Emma Carver	

Obituary

Robert J. Braidwood	213
Peder Mortensen	

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

Excavations at a Geometric Kebaran site in Wadi Ziqlab, northern Jordan	
Lisa Maher & E.B. Banning	
A survey of the Island of Abu'l-Abyadh, United Arab Emirates	
Daniel Hull & Stephen Rowland	
Confirmation of near-absolute dating of east Mediterranean bronze-iron dendrochronology	
Sturt W. Manning, Bernd Kromer, Peter Ian Kuniholm & Maryanne W. Newton	
Anghilak cave, Uzbekistan: documenting Neanderthal occupation at the periphery	
Michelle Glantz, Rustam Suleymanov, Peter Hughes & Angela Schaubert	
Neolithic human burials from Tell Ain el-Kerkh, northwest Syria	
Mark Hudson, Sean Dougherty, Akira Tsuneki & Jamal Hydar	
A Mesolithic coastal site at Howick, Northumberland	
Clive Waddington, Geoff Bailey, Ian Boomer, Nicky Milner & Robert Shiel	
An extensive Middle Palaeolithic quarry landscape in the Kaladgi Basin, southern India	
Michael Petraglia, Ravi Korisettar, Michael Noll & Joseph Schulderein	
The Viking Age long-house at Glaumbær, Skagafjörður, northern Iceland	
John M. Steinberg	
Exploration and survey of Pleistocene Hominid sites in Armenia and Karabagh	
Tania King, Y. Fernandez-Jalvo, N. Moloney, P. Andrews, A. Melkonyan, Y. Sayadyan, P. Ditchfield, L. Yepiskoposyan & S. Karapetyan	
Social frameworks in the Iron Age cemetery of “La Cerrada de los Santos (Spain)”	
J.A. Arenas-Esteban	
Current Middle and Upper Palaeolithic research in the southern Caucasus	
Dan Adler	