

www.antiquity.ac.uk Volume 89 • Number 345 • June 2015

A REVIEW OF WORLD ARCHAEOLOGY EDITED BY CHRIS SCARRE

https://doi.org/10/15194/aqy.2015.46 Published online by Cambridge University Press



Editor

Chris Scarre

REVIEWS EDITOR Robert Witcher

EDITORIAL MANAGER

Tara-Jane Sutcliffe

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

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

Antiquity is included in the Cambridge Journals Online service at http://journals.cambridge.org/AQY. Additional content, the Project Gallery, and free-to-access material may be found 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, Amy Bogaard, Robin Coningham, Barry Cunliffe, Roberta Gilchrist, Chris Gosden, Anthony Harding, Paul Mellars, Martin Millett, Nicky Milner, Stephanie Moser and Cameron Petrie.

The Directors of Antiquity Publications Ltd, owned by the Antiquity Trust and responsible for producing *Antiquity* are Robin Coningham, Chris Gosden, Nicky Milner, Cameron Petrie, Mike Pitts and Chris Scarre.

EDITORIAL ADVISORY BOARD

Sarah Allan sarah.allan@dartmouth.edu, Dartmouth	Susan Keech McIntosh skmci@rice.edu, Rice University, USA
University, USA	Ian Kuijt ian.kuijt.1@nd.edu, University of Notre Dame, USA
Peter Bellwood peter.bellwood@anu.edu.au, The Australian	Kevin Lane kevin.lane@cantab.net, University of Cambridge, UK
National University, Australia	Li Liu liliu@stanford.edu, Stanford University, USA
Xingcan Chen chen.xingcan10@gmail.com, Chinese Academy	Naoko Matsumoto naoko_m@cc.okayama-u.acjp. Okayama
of Social Sciences, China	University, Japan
Francesco D'Errico francesco.d-errico@pacea.u-bordeaux1.fr;	Barbara Mills bmills@arizona.edu, University of Arizona, USA
Université Bordeaux 1, France	Peter Mitchell peter.mitchell@st-hughs.ox.ac.uk, University of
Eduardo Goés Neves edgneves@usp.br, Universidade de São	Oxford, UK
Paulo, Brazil	Timothy Pauketat pauketat@illinois.edu, University of
Elizabeth Graham e.graham@ucl.ac.uk, University College	Illinois, USA
London, UK	Victor Paz victor.paz@up.edu.ph, University of the
Christine Hastorf hastorf@berkeley.edu, University of	Philippines, the Philippines
California Berkeley, USA	Susan Pollock s.pollock@fu-berlin.de, Freie Universität, Germany
Charles Higham charles.higham@stonebow.otago.ac.nz,	Natalia Shishlina nshishlina@mail.ru, State Historical
University of Otago, New Zealand	Museum, Russia
Augustin Holl augustin.holl@mae.u-paris10.fr; Université de	Benjamin Smith benjamin.smith@uwa.edu.au, University of
Paris Ouest Nanterre Ia Défense, France	Western Australia, Australia
Stephen Houston stephen_houston@brown.edu, Brown	Claire Smith claire.smith@flinders.edu.au, Flinders
University, USA	University, Australia
Timothy Insoll tim.insoll@manchester.ac.uk, University of	Melinda Zeder zederm@si.edu, National Museum of Natural
Manchester, UK	History, Smithsonian Institution, USA

Antiquity is published six times a year by Cambridge University Press for Antiquity Publications Ltd; February, April, June, August, October, December.

Advertising enquiries to the publisher at advertising@cambridge.org

©Antiquity Publications 2015. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying or otherwise, without permission in writing from Cambridge University Press. Permission to copy (for users in the USA) is available from Copyright Clearance Center, http://www.copyright.com, email: info@copyright.com.

This journal issue has been printed on FSC™-certified paper and cover board. FSC is an independent, nongovernmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

Printed in the UK by Henry Ling Limited, at the Dorset Press, Dorchester, DT1 1HD

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

Typesetting: Aptara Inc, New Delhi, India

Cover image: Dog Catacomb at North Saqqara, Egypt. © Paul T. Nicholson.

ANTIQUITY June 2015 Volume 89 Number 345

Editorial Research	523
The future of archaeology in Africa Innocent Pikirayi	531
An alternative chronology for the art of Chauvet cave Paul Pettitt & Paul Bahn	542
Lithics and climate: technological responses to landscape change in Upper Palaeolithic northern Japan Kazuki Morisaki, Masami Izuho, Karisa Terry & Hiroyuki Sato	554
Tappeh Sang-e Chakhmaq and the beginning of the Neolithic in north-east Iran Kourosh Roustaei, Marjan Mashkour & Margareta Tengberg	573
New tin mines and production sites near Kültepe in Turkey: a third-millennium BC highland production model K. Aslıhan Yener, Fikri Kulakoğlu, Evren Yazgan, Ryoichi Kontani, Yuichi S. Hayakawa, Joseph W. Lehner, Gonca Dardeniz, Güzel Öztürk, Michael Johnson, Ergun Kaptan & Abdullah Hacar	596
Travel and landscape: the Zuo River Valley rock art of Guangxi Zhuang Autonomous Region, China Paola Demattè	613
Feasting on fore-limbs: conspicuous consumption and identity in later prehistoric Britain Richard Madgwick & Jacqui Mulville	629
The Catacombs of Anubis at North Saqqara Paul T. Nicholson, Salima Ikram & Steve Mills	645
Use-wear, <i>chaîne opératoire</i> and labour organisation among Pacific Northwest Coast sedentary foragers Cameron McPherson Smith	662
Tree memories of the Second World War: a case study of common beeches from Chycina, Poland Dawid Kobiałka, Maksymilian Frąckowiak & Kornelia Kajda	683
Method	

Characterising copper-based metals in Britain in the first millennium AD: a preliminary 697 quantification of metal flow and recycling

Debate

	Shuidonggou localities 1 and 2 in northern China: archaeology and chronology of the Initial Upper Palaeolithic in north-east Asia Susan G. Keates & Yaroslav V. Kuzmin	714
	A response to Keates and Kuzmin Feng Li, Steven L. Kuhn & Xing Gao	721
	Drift voyages across the mid-Atlantic Richard T. Callaghan	724
	San rock art: evidence and argument J. David Lewis-Williams & David G. Pearce	732
Rev	views	
	Review articles	
	Arctic archaeologies: recent work on Beringia HERBERT MASCHNER reviewing	740
	The Ekven settlement: Eskimo beginnings on the Asian shore of Bering Strait Yvon Csonka (ed.)	
	K'etniyi: settlement patterns and prehistory in Lake Clark National Park and Preserve: an archaeological overview and assessment David C. Tennessen	
	Arrows and atl atls: a guide to the archaeology of Beringia E. James Dixon	
	Tikal Reports: the series continues NORMAN HAMMOND reviewing	743
	Excavations in residential areas of Tikal: non-elite groups without shrines: the excavations William A. Haviland	
	<i>Excavations in residential areas of Tikal: non-elite groups without shrines: analysis and conclusions</i> William A. Haviland	
	Book Reviews	
	Erik Trinkaus, Alexandra P. Buzhilova, Maria B. Mednikova & Maria V. Dobrovolskaya <i>The people of Sunghir: burials, bodies, and behavior in the Earlier Upper Paleolithic</i> VITALE STEFANO SPARACELLO	746
	Paul Halstead <i>Two oxen ahead. Pre-mechanized farming in the Mediterranean</i> SUSAN E. ALLEN	747
	Penelope Wilson, Gregory Gilbert & Geoffrey Tassie <i>Sais II: the prehistoric period at Sa el-Hagar</i> NORIYUKI SHIRAI	749
	Peter Magee <i>The archaeology of prehistoric Arabia: adaptation and social formation from the Neolithic to the Iron Age</i> PHILIPP DRECHSLER	750
	Philip Betancourt <i>Aphrodite's Kephali: an Early Minoan I defensive site in eastern Crete</i> Sylviane Déderix	752
	Manuel Fernández-Götz, Holger Wendlig & Katja Winger (ed.) <i>Paths to complexity: centralisation and urbanisation in Iron Age Europe</i> JAN KYSELA	753
	Mike Parker Pearson & Marek Zvelebil <i>Excavations at Cill Donnain: a Bronze Age settlement and Iron Age wheelhouse in South Uist</i> IAN ARMIT	755
	Richard Stein <i>The Roman water pump: unique evidence for Roman mastery of mechanical engineering</i> ANDREW WILSON	756

John Peter Oleson & Robert Schick <i>Humayma Excavation Project 2: Nabatean campground and necropolis, Byzantine churches, and Early Islamic domestic structures</i> ZBIGNIEW T. FIEMA	758
Else Roesdahl, Søren M. Sindbæk, Anne Pedersen & David M. Wilson (ed.) <i>Aggersborg. The Viking-age settlement and fortress</i> LETTY TEN HARKEL	759
New Book Chronicle	761
Ian Lilley, Michael Heckenberger & John Krigbaum, and Barry Cunliffe	

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

Excavations at the Chagyrskaya Cave, Russia: a Neanderthal Middle Palaeolithic industry in northern Asia

Anatoly Derevyanko, Sergey Markin, Sergey Gladyshev & Ksenia Kolobova

Tol-e Sabz: a Neolithic site in the Firuzabad Plain, Fars, Iran Majid Mansouri & Hesamalddin Ahmady

Casting foragers in a new mould? The Mafunyane Shelter, eastern Botswana Tim Forssman

Multi-component geophysical survey at the Classical Greek cities of Mantinea and Elis Ian Moffat, Nikos Papadopoulos, Jamie Donati, Apostolos Sarris, Tuna Kalayci, Carmen Cuenca-García, Gianluca Cantoro, Nasos Argyriou, Kayt Armstrong, Evita Kalogiropoulou, Meropi Manataki & François-Xavier Simon

Archaeological field survey along the Roman road from Potaissa to Napoca, Romania Florin-Gheorghe Fodorean

Ethnoarchaeology of Zulu pots in the Uthukela Basin, Kwazulu-Natal Bongumenzi Nxumalo