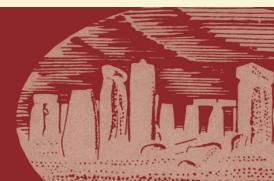


www.antiquity.ac.uk Volume 98 • Number 398 • April 2024

A REVIEW OF WORLD ARCHAEOLOGY

EDITED BY ROBERT WITCHER

ISSN 0003 598X https://doi.org/10.15184/aqy.2024.48 Published online by Cambridge University Press



DEPUTY EDITOR Robin Skeates

EDITORIAL MANAGER Lindsey Elstub

Assistant Editor Abigail Teasdale **REVIEWS EDITOR** Marion Uckelmann

PRODUCTION EDITOR Helen Devonshire

PUBLIC ENGAGEMENT AND PRESS CO-ORDINATOR Max Storey

Editorial Address

Antiquity, Department of Archaeology, Durham University, South Road, Durham DH1 3LE, UK Tel: +44 (0) 191 3341125; 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 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**, **Anthony Harding**, **Carl Heron**, **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 **Chris Gosden**, **Sue Hamilton**, **Nicky Milner**, **Cameron Petrie**, **Mike Pitts**, **Marie Louise Stig Sørensen and Robert Witcher**.

EDITORIAL ADVISORY BOARD

Peter Bellwood, The Australian National University, Australia	Peter Mitchell, University of Oxford, UK
Xingcan Chen, Chinese Academy of Social Sciences, Beijing	Timothy Pauketat, University of Illinois, USA
Eduardo Goés Neves, Universidade de São Paulo, Brazil	Victor Paz, University of The Philippines, The Philippines
Elizabeth Graham, University College London, UK	Michael Petraglia, Australian Research Centre for Human
Charles Higham, University of Otago, New Zealand	Evolution, Griffith University, Australia
Corinne Hofman, Leiden University, the Netherlands	Innocent Pikirayi, University of Pretoria, South Africa
Stephen Houston, Brown University, USA	Susan Pollock, Freie Universität Berlin, Germany
Timothy Insoll, University of Exeter, UK	Natalia Shishlina, State Historical Museum, Moscow, Russia
Susan Keech McIntosh, Rice University, USA	Benjamin Smith, University of Western Australia, Australia
Ian Kuijt, University of Notre Dame, USA	Claire Smith, Flinders University, Australia
Kevin Lane, Universidad de Buenos Aires, Argentina	Monica Smith, University of California, Los Angeles, USA
Akira Matsuda, University of Tokyo, Japan	Miriam Stark, University of Hawai'i-Manoa, USA
Barbara Mills, University of Arizona, USA	Sarah Tarlow, University of Leicester, UK

Antiquity is published six times a year: February, April, June, August, October and December.

Published by Cambridge University Press on behalf on Antiquity Publications Ltd.

Advertising enquiries to the publisher at advertising@cambridge.org.

©Antiquity Publications 2024. 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, non-governmental, not-for-profit organisation established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

Printed in Great Britain by Henry Ling Limited, The Dorset Press, Dorchester, DT1 1HD.

Cartographic design by Connor J. Sweetwood; inset maps use map data from Mapbox, OpenStreetMap and their data sources. To learn more, visit https://www.mapbox.com/about/maps/ and http://www.openstreetmap.org/copyright.

Typesetting: Nova Techset Private Limited, Bengaluru & Chennai, India.

Subscriptions can be purchased from Cambridge University Press and online at https://www.cambridge.org/core/journals/ antiquity/subscribe.

Antiquity remains neutral with regard to jurisdictional claims in maps supplied by authors.

Cover. Bronze bracelet and spiral object discovered at a dried-out lake near Papowo Biskupie in north-central Poland. In 2023, metal detecting identified substantial numbers of bronze finds; subsequent excavations revealed several metalwork deposits and dozens of human skeletons dated to between 1000 and 400 BC. Over 550 bronze artefacts have been recovered from the site, comprising predominantly arm and neck ornaments and other types of objects commonly associated with female burials, as well as horse-related gear, typical of the Halstatt period. See Project Gallery 'The Sacred Lake Project: preliminary findings from the Lusatian site of Papowo Biskupie, Poland' by Jacek Gackowski et al. https://doi.org/10.15184/aqy.2023.198 (photograph by A. Piasecka).

ANTIQUITY

Volume 98

Number 398

April 2024

295

Editorial			
Robert Witcher			

Research Articles

Big enough to matter: on the frequency and chronology of giant handaxes in the British Lower Palaeolithic Luke Dale, Aaron Rawlinson, Pete Knowles, Frederick Foulds, Nick Ashton, David Bridgland & Mark White	305
Bodily boundaries transgressed: corporal alteration through ornamentation in the Pre-Pottery Neolithic at Boncuklu Tarla, Türkiye Ergül Kodaş, Emma L Baysal & Kazım Özkan	323
Continuity and climate change: the Neolithic coastal settlement of Habonim North, Israel Roey Nickelsberg, Thomas E. Levy, Ruth Shahack-Gross, Anthony Tamberino, Scott McAvoy, Gal Bermatov-Paz, Nimrod Marom, Ehud Arkin Shalev, Ehud Weiss, Suembikya Frumin & Assaf Yasur-Landau	343
Provisioning urbanism: a comparative urban-rural zooarchaeology of ancient Southwest Asia Jane S. Gaastra, Dan Lawrence & Valentina Tumolo	363
Trypillia mega-sites: a social levelling concept? Robert Hofmann, Nils Müller-Scheeßel & Johannes Müller	380
Variation of millet grain size and cooking techniques across Asia between the late fourth and first millennia BC Yufeng Sun, Melissa Ritchey, Hua Zhong, Liya Tang, Elena Sergusheva, Tao Shi, Jixiang Song, Haiming Li, Guanghui Dong & Xinyi Liu	401
Intentional damage to metal artefacts in burials and hoards in the south Caucasus, 2000–550 BC Giorgi Bedianashvili & Abby Robinson	417
Aggrandisers and the first copper-base metallurgy in Southeast Asia Charles Higham	433

Mediterranean Early Iron Age chronology: assessing radiocarbon dates from a stratified Geometric period deposit at Zagora (Andros), Greece Rudolph Alagich, Lorena Becerra-Valdivia, Margaret C. Miller, Katerina Trantalidou & Colin Smith	454
Evidence of the intentional use of black henbane (<i>Hyoscyamus niger</i>) in the Roman Netherlands Maaike Groot, Martijn van Haasteren & Laura I. Kooistra	470
Women of the Conversion Period: a biomolecular investigation of mobility in early medieval England Helena Hamerow, Sam Leggett, Christel Tinguely & Petrus Le Roux	486
Byzantine plate and Frankish mines: the provenance of silver in north-west European coinage during the Long Eighth Century (c. 660–820) Jane Kershaw, Stephen W. Merkel, Paolo D'Imporzano & Rory Naismith	502
Residue analysis suggests ritual use of tobacco at the ancient Mesoamerican city of Cotzumalhuapa, Guatemala Adam Negrin, Oswaldo Chinchilla Mazariegos, Cameron L. McNeil, W. Jeffrey Hurst & Edward J. Kennelly	518
French historical and contemporary archaeology: a critical assessment Elias Michaut	535

Reviews

Review Articles

Personalised monuments and monumental personalities in the past and present of Bronze Age Cyprus PERTEV BASRI	547
Monumentality, place-making and social interaction on Late Bronze Age Cyprus Kevin D. Fisher	
<i>Late Bronze Age Cyprus: a reassessment of settlement structure and society</i> Bernard Knapp	
Trench warfare at Enkomi: personalities, politics and science in Cypriot archaeology George Papasavvas	
Book reviews	
Monica L. Smith (ed.) The power of nature: archaeology and human- environmental dynamics	553

Alessandra E. Dominguez

Guy D. Middleton Women in the ancient Mediterranean world: from the Palaeolithic to the Byzantines ANNA LUURTSEMA	555
Jessica Rawson Life and afterlife in Ancient China Rowan Flad	557
Angelo Castrorao Barba, Davide Tanasi & Roberto Miccichè (ed.) Archaeology of the Mediterranean during Late Antiquity and the Middle Ages HAGGAI OLSHANETSKY	560
Martin Biddle, Jane Renfrew & Patrick Ottaway (ed.) <i>Environment and</i> <i>agriculture of early Winchester</i> DUNCAN W. WRIGHT	562
Christopher Heaney Empires of the dead: Inca mummies and the Peruvian ancestors of American anthropology AMANDINE FLAMMANG	564
Charles E. Orser, Jr. Living ceramics, storied ground: a history of African American archaeology JOHN P. MCCARTHY	566
Sarah Tarlow The archaeology of loss: life, love and the art of dying MELANIE GILES	569
Richard Osgood Broken pots, mending lives: the archaeology of Operation Nightingale STEPHEN HUMPHREYS	571

New Book Chronicle

MARION UCKELMANN

574

Project Gallery (http://www.cambridge.org/core/journals/antiquity/project-gallery)

Chronology of hominin activity at Vindija Cave, Croatia: new dates recorded via standard and ultrafiltration AMS

Ivor Karavanić, Ines Krajcar Bronić, Andreja Sironić, Siniša Radović, Marko Banda & Fred H. Smith

Yeghegis-1 rockshelter site: new investigations into the late Chalcolithic of Armenia

Mariya Antonosyan, Mariam Saribekyan, Satenik Mkrtchyan, Anahit Hovhannisyan, Ellery Frahm, Patrick Roberts, Arsen Bobokhyan, Karen Azatyan, Levon Yepiskoposyan & Noel Amano

Unlocking archaeological data online via the PEPAdb (Prehistoric Europe's Personal Adornment Database) initiative for Open Science Galo Romero-García, Daniel Sánchez-Gómez, José Á. Garrido-Cordero, José M. Martínez-Blanes, Ana C. Sousa & Carlos P. Odriozola

The Sacred Lake Project: preliminary findings from the Lusatian site of Papowo Biskupie, Poland

Jacek Gackowski, Łukasz Kowalski, Wiesław Lorkiewicz, Agnieszka M. Noryśkiewicz, Michał Jankowski, Dariusz Kamiński, Paweł Molewski, Tomasz Purowski, Barbara Wagner, Aldona Garbacz-Klempka, Grzegorz Osipowicz, Magdalena Przymorska-Sztuczka, Andrzej P. Kowalski, Mateusz Sosnowski, Andrzej Podgórski & Grażyna Szczepańska

After the fall of the Egyptian Empire: review of the Third Intermediate Period settlement at Tell el-Retaba

Łukasz Jarmużek, Agnieszka Ryś-Jarmużek, Anna Wodzińska, Anna Gręzak, Claire Malleson & Sławomir Rzepka

Contemporary archaeological perspectives on intersectional inequality in a welfare state in twentieth-century Finland

Oula Seitsonen, Tuuli Matila, Marika Hyttinen & Aleksi Kelloniemi