

ANTIQUITY



www.antiquity.ac.uk Volume 99 • Number 404 • April 2025

A REVIEW OF
WORLD ARCHAEOLOGY

EDITED BY ROBIN SKEATES

ISSN 0003 598X

<https://doi.org/10.15184/aqy.2025.46> Published online by Cambridge University Press



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*
Xingcan Chen, *Chinese Academy of Social Sciences, Beijing*
Eduardo Góes Neves, *Universidade de São Paulo, Brazil*
Elizabeth Graham, *University College London, UK*
Charles Higham, *University of Otago, New Zealand*
Stephen Houston, *Brown University, USA*
Timothy Insoll, *University of Exeter, UK*
Susan Keech McIntosh, *Rice University, USA*
Ian Kuijt, *University of Notre Dame, USA*
Kevin Lane, *Universidad de Buenos Aires, Argentina*
Akira Matsuda, *University of Tokyo, Japan*
Barbara Mills, *University of Arizona, USA*

Peter Mitchell, *University of Oxford, UK*
Timothy Pauketat, *University of Illinois, USA*
Michael Petraglia, *Australian Research Centre for Human Evolution, Griffith University, Australia*
Innocent Pikirayi, *University of Pretoria, South Africa*
Susan Pollock, *Freie Universität Berlin, Germany*
Natalia Shishlina, *State Historical Museum, Moscow, Russia*
Benjamin Smith, *University of Western Australia, Australia*
Claire Smith, *Flinders University, Australia*
Monica Smith, *University of California, Los Angeles, USA*
Miriam Stark, *University of Hawai'i-Manoa, 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 of Antiquity Publications Ltd.

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

©Antiquity Publications 2025. 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. Two plaques (57 × 53mm & 47 × 43mm) with linear motifs found with more than 600 whole and fragmentary engraved stones at Vasagård, on the Danish island of Bornholm. The finds are regarded as Neolithic miniature artworks and termed 'sun stones' in reference to the rayed images. It is also suggested that the engraved stones were ritually deposited at Vasagård to secure the fertility and growth of crops. For more information, see 'Sun stones and the darkened sun: Neolithic miniature art from the island of Bornholm, Denmark' by Rune Iversen et al. in this issue. Photographs by John Lee, The National Museum of Denmark.

ANTIQUITY

Volume 99

Number 404

April 2025

Editorial

279

Robin Skeates

Guest Editorial

How can archaeology help shape decolonial futures?

291

Rennan Lemos, Linda Mbeki, Bolaji Owoseni, Natasha Rai & Abigail Moffett

Research Articles

The first pottery in the Arabian Gulf: origins, production and distribution

303

Anna Smogorzewska

Human remains from the River Thames: new dating evidence

319

Nichola Arthur, Jane Sidell & Heather Bonney

Sun stones and the darkened sun: Neolithic miniature art from the island of Bornholm, Denmark

337

Rune Iversen, Poul Otto Nielsen, Lasse Vilien Sørensen, Anders Svensson, Jørgen Peder Steffensen, Alexander Land, Michael S. Thorsen & Finn Ole Sonne Nielsen

Rethinking late prehistoric Mediterranean Africa: architecture, farming and materiality at Kach Kouch, Morocco

354

Hamza Benattia, Youssef Bokbot, Jorge Onrubia-Pintado, Meryem Benerradi, Bouchra Bougariane, Bouchra Bouhamidi, Jared Carballo-Pérez, Othman Echcherif-Baamrani, Asmae Elqably, Noufel Ghayati, Hassan Hachami, Mohamed Kbiri-Alaoui, Raluca Lazarescu, Lorena Lombardi, Giulio Lucarini, Rafael M. Martínez-Sánchez, Marta Mateu-Sagés, Pau Menéndez-Molist, Ignacio Montero-Ruiz, Zayd Ouakrim, Guillem Pérez-Jordà, Moad Radi, Joan Ramon-Torres, Eric Sobrevia-Corral, Tachfine Touri & Cyprian Broodbank

Bronze Age cymbals from Dahwa: Indus musical traditions in Oman

375

Khaled A. Douglas, Nasser S. Al-Jahwari, Michel de Vreeze, Mohammed Hesein, Lloyd Weeks & Bernhard Pracejus

Early evidence of naked barley in western Tibet: cereal cultivation at extreme altitude along the upper Sutlej River, c. 3500 BP	392
Liya Tang, Shargan Wangdue, Lin Xi, Tashi Tsering, Chun Yu, Jianlin Zhang, Zhijun Zhao, Rui Wen & Dorian Q. Fuller	
All the way from the Baltic: amber beads from an Iron Age grave at Hama, western Syria	407
Martin N. Mortensen, Mette Marie Hald, Jacob Frydendahl, Stephen Lumsden, Pernille Bangsgaard, Georges Mouamar, Marco Bonechi & Silvia Alaura	
Inscribed sandstone fragments of Hole, Norway: radiocarbon dates provide insight into rune-stone traditions	422
Steinar Solheim, Kristel Zilmer, Judyta Zawalska, Krister Sande Kristoffersen Vasshus, Anette Sand-Eriksen, Justin J.L. Kimball & John Asbjørn Munch Havstein	
Climate, political economy and agriculture in first and second millennia AD Anatolia	440
John M. Marston & Lorenzo Castellano	
A Teotihuacan altar at Tikal, Guatemala: central Mexican ritual and elite interaction in the Maya Lowlands	462
Edwin Román Ramírez, Lorena Paiz Aragón, Angelyn Bass, Thomas G. Garrison, Stephen Houston, Heather Hurst, David Stuart, Alejandrina Corado Ochoa, Cristina García Leal, Andrew Scherer & Rony E. Piedrasanta Castellanos	
Settlement discontinuity at Ak'awillay and the development of the Inca imperial capital region	481
R. Alan Covey, Kylie Quave, Nicole Payntar, Camille Weinberg, Hubert Quispe-Bustamante & Véronique Bélisle	
Parallel roads, solstice and sacred geography at the Gasco Site: a Chacoan ritual landscape	500
Robert S. Weiner, Richard A. Friedman & John R. Stein	
Unveiling maritime trading practices: micro-provenance analysis of Dehua-style porcelain from the Nanhai I shipwreck	517
Wenpeng Xu, Zhitao Chen, Dashun Xiao, Daoyang Ye & Zelin Yang	
What does a bear-baiting assemblage look like? Interdisciplinary analysis of an Early Modern 'sport'	536
Elizabeth Wright, Callan Davies, Angela Lamb, Holly Miller, Kevin Rielly, Sophy Charlton, Andy Kesson, Greger Larson, Liam Lewis & Hannah J. O'Regan	
Eating in colonial institutions: desiccated plant remains from nineteenth-century Sydney	553
Kimberley G. Connor	

Exhibition review

- Fire of change: Bronstijd. Vuur van Verandering, Rijksmuseum van Oudheden, Leiden, The Netherlands. 18 October 2024–16 March 2025 570
A.L. Brindley

Reviews

Review Articles

- ‘Another brick in the wall’: a step toward a better understanding of the genesis and evolution of the Neolithic in south-eastern and central Europe 577
FLORIN DRAȘOVEAN

Relatively absolute: relative and absolute chronologies in the Neolithic of southeast Europe

Miroslav Marić, Jelena Bulatović & Nemanja Marković

- Early weight systems, markets and trade 582
BENJAMIN W. ROBERTS

Weights and marketplaces from the Bronze Age to the Early Modern Period (Weight & Value 1)

Lorenz Rahmstorf & Edward Stratford

Merchants, measures and money: understanding technologies of early trade in a comparative perspective (Weight & Value 2)

Lorenz Rahmstorf, Gojko Barjamovic & Nicola Ialongo

Bronze Age weights from Mesopotamia, Iran & Greater Indus Valley (Weight & Value 3)

Enrico Ascalone

Book reviews

- Clive Oppenheimer *Mountains of fire: the secret lives of volcanoes* 590
MICHAEL KEMPF

- Tiffany Treadway *Iron Age wetland deposition: case studies from Wales and Scotland* 593
LINDSEY BÜSTER

- Agnieszka Tomas *Living with the Army II: the results of remote sensing and fieldwalking surveys in Novae (Lower Moesia)* (Warsaw Studies in Archaeology 4) 595
FAHRI REZA & FAISAL ASHAARI

- Sara Ellis Nilsson & Stefan Nyzell *Viking heritage and history in Europe: practices and re-creations* 597
JES WIENBERG

- Emily C. Van Alst & Carlton Shield Chief Gover *Indigenizing archaeology: putting theory into practice* 599
FRANK THOMAS
- John Schofield *Wicked problems for archaeologists: heritage as transformative practice* 601
CORNELIUS HOLTORF

Books received 603

Corrigenda

- Do cultural and biological variation correspond in the Middle Nile Valley Neolithic? Some insights from dental morphology – corrigendum 608
Joel D. Irish & Jacek Kabaciński
- Mass-hunting in South-west Asia at the dawn of sedentism: new evidence from Şanlıurfa, south-east Türkiye – corrigendum 609
Fatma Şahin & Michele Massa

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

- Evidence of Middle Palaeolithic human occupation in south-central Oman**
Dominik Chlachula, Yamandú H. Hilbert, Roman Garba, Ash Parton, Lee Arnold, David Alsop, Mathieu Duval & Matthew Meredith-Williams
- Paiján obsidian points on the coastal desert of southern Peru and their source**
Jalh Dulanto, Antonio Pérez-Balarezo, Jesús Briceño, Juan Yataco, Edwin Silva, Abel Icochea, Dany Tarrillo & Daniel Vergara
- Long-term occupation of *bofedales* ecosystems by high-Andean hunter-gatherers in the Dry Puna, northern Chile**
Luca Sitzia, Daniela Osorio, Magdalena García B., Jan-Christoph Otto, Ximena Power, Eugenia M. Gayo, César Borie, Matias Gallardo & Carlos Uribe
- The Late Bronze Age harbour of Pefkakia: evidence from transport containers suggests site's role**
Bartłomiej Lis & Anthi Batziou
- Darazya at El Alamein: a Greco-Roman settlement against the backdrop of an important Second World War battle**
Rafał Czerter, Grażyna Bąkowska-Czerter, Piotr Zambrzycki, Wiesław Grzegorek & Szymon Popławski

Chengba: the Dangqu City of the Han Dynasty in south-west China

Tianqiang Sun, Fang Liu, Weidong Chen, Yingfu Li & Yuniu Li

ALHAMAT: analysing materiality of the *Alhambra* to elucidate the Nasrid dynasty's power in the Emirate of Granada

Carolina Cardell, Guillermo García-Contreras, Teresa Koffler, Juan Manuel Ríos-Jiménez, Alberto García-Porras, Javier Alejandro-Sánchez, Domingo Sánchez-Mesa, Mario De La Torre-Espinosa, Luca Mattei, David Rodríguez-Sánchez, Emilio Cano-Padilla, Nicolás Losilla, Esther Cardell, José Miguel Nieto & Fernando Martínez-Avila

Galleys and gameboards: graffiti at the Prigione del Castello, Noto Antica, Sicily

Alexander W. Anthony & Stephan Hassam