CAMBRIDGE ARCHAEOLOGICAL JOURNAL

VOL. 1 NO. 1 APRIL 1991



THE McDONALD INSTITUTE FOR ARCHAEOLOGICAL RESEARCH

CAMBRIDGE UNIVERSITY PRESS

CAMBRIDGE ARCHAEOLOGICAL JOURNAL

Published by Cambridge University Press on behalf of the McDonald Institute for Archaeological Research, University of Cambridge

Editor: Dr Chris Scarre

Associate Editor: Dr Steven Mithen

Editorial Advisory Board

Colin Renfrew Department of Archaeology, University of Cambridge

Kent V. Flannery Museum of Anthropology, University of Michigan

Ernest Gellner Department of Social Anthropology, University of Cambridge

R. A. Hinde St John's College, Cambridge

Ian Hodder Department of Archaeology, University of Cambridge

Barry Kemp Faculty of Oriental Studies, University of Cambridge

Paul Mellars Department of Archaeology, University of Cambridge

Nicholas Postgate Faculty of Oriental Studies, University of Cambridge

Alain Schnapp UFR d'histoire de l'art et archéologie, Université de Paris I

Irene Winter Department of Fine Arts, Sackler Museum, Harvard University

Ezra Zubrow Department of Anthropology, State University of New York at Buffalo

Cambridge Archaeological Journal (ISSN 0959-7743) is published twice a year in April and October. Two parts form a volume. It covers all areas and periods of archaeology, with a particular focus on the role of human intellectual abilities as reflected for example in the art, religion and symbolism of early societies.

© The McDonald Institute for Archaeological Research

Editorial office. Cambridge Archaeological Journal, McDonald Institute of Archaeological Research, University of Cambridge, 62 Sidney Street, Cambridge CB2 3JW, UK. Telephone: (0223) 333538.

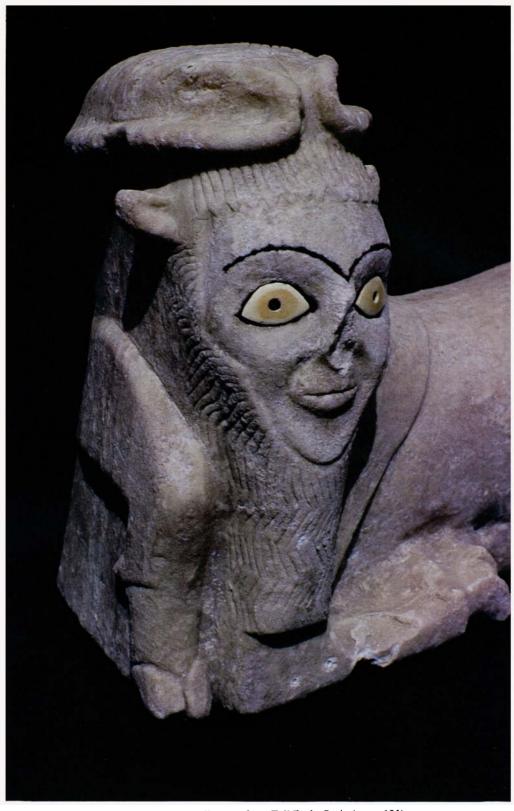
Subscriptions. Orders, which must be accompanied by payment, may be sent to any bookseller or subscription agent or direct to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, UK or Cambridge University Press, 40 West 20th Street, New York, NY 10011-4211, USA for subscribers in the USA or Canada. The subscription price of volume 1 (1991), including postage, is: £38 (\$58 in the USA and Canada) for individuals ordering direct from the publisher and certifying that the journal is for their personal use. Single parts are £20 (\$32 in the USA and Canada).

Copies of the journal for subscribers in the USA and Canada are sent by air to New York to arrive with minimum delay. Second class postage paid at New York, NY and additional mailing offices. POSTMASTER: send address changes in the USA and Canada to Cambridge Archaeological Journal, Cambridge University Press, 110 Midland Avenue, Port Chester, New York, NY 10573-9864.

Advertising. For details contact the publisher at the addresses given above.

Copying. The journal is registered with the Copyright Clearance Center, 27 Congress Street, Salem, MA 01970. Organizations in the USA who are registered with CCC may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to CCC of the per copy fee of \$5.00. Code 0959-7743/91 \$5.00 + 0.00. This consent does not extend to multiple copying for promotional or commercial purposes. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA is authorized to provide single copies of separate articles for private use only. For all other use permission should be sought from Cambridge University Press.

Printed and bound in Great Britain by Cambridge University Press With deep regret we record the death, on 26th February 1991, of the Founder of the McDonald Institute for Archaeological Research and of the Cambridge Archaeological Journal, Dr D M McDonald. A keen student of many aspects of the Ancient World, he was closely involved in the conception and planning of the Journal, which will continue to reflect and commemorate his interest in the early development of human rationality and intellectual abilities. This first issue, which he did not live to see in print, is dedicated to his memory.



Human-headed bull statue from Tell Brak, Syria (see p.131)

Cambridge Archaeological Journal

Vol. 1, No. 1, Spring 1991

ARTICLES

Before Babel: Speculations on the Origins of Linguistic Diversity
Colin Renfrew
3-23

The Taï Plaque and Calendrical Notation in the Upper Palaeolithic Alexander Marshack
25-61

Cognitive Changes and the Emergence of Modern Humans
Paul Mellars
63-76

Rock Art and the Perception of Landscape Richard Bradley 77-101

Proportionality in Mind and Space in Ancient Egypt Barry Kemp & Pamela Rose 103-129

SHORTER NOTES

A Human-headed Bull Statue from Tell Brak
David & Joan Oates
131-135

The Boeotia Project Anthony Snodgrass 136-139

REVIEW ARTICLE

mtDNA, the Archaeological Record, and the Emergence of Modern Humans Peter Rowley-Conwy 140-144