

THE ANNUAL  
OF THE  
BRITISH SCHOOL AT ATHENS

THE ANNUAL  
OF THE  
BRITISH SCHOOL AT ATHENS

No. 99

2004

THE BRITISH SCHOOL AT ATHENS  
*Published by the Council*

© *The Council, British School at Athens, 2004*  
ISSN 0068-2454

**THE BRITISH SCHOOL AT ATHENS**  
(1 January 2004)

PATRON  
HRH THE PRINCE OF WALES

DIRECTOR  
DR A. J. M. WHITLEY, MA, FSA, *Co-Editor of the Annual*

VICE-PRESIDENTS  
DR H. W. CATLING, CBE, MA, FSA  
PROFESSOR J. N. COLDSTREAM, MA, FBA, FSA  
M. S. F. HOOD, Esq., MA, FBA, FSA  
A. H. S. MEGAW, Esq., CBE, MA, FSA  
SIR PEREGRINE RHODES, KCMG  
PROFESSOR R. A. TOMLINSON, MA, FSA  
DR M. H. WIENER, FSA  
DR C. K. WILLIAMS, II, FSA

COUNCIL

PROFESSOR P. M. WARREN, MA, FBA, FSA, *Chairman*  
THE BRITISH AMBASSADOR IN ATHENS DR G. OLIVER, MA  
PROFESSOR SIR JOHN BOARDMAN, MA, FBA, FSA, *Vice-President* DR A. J. N. PRAG, MA, FSA  
SIR MICHAEL LLEWELLYN SMITH, KCVO, CMG, D.Phil, *Vice-President* DR G. SHEPHERD, BA  
DR N. BRODIE, BA DR K. A. WARDLE, MA, FSA  
DR C. BROODBANK, MA SIR ADAM RIDLEY, MA  
DR C. KNAPPETT, MA DR K. HARTNUP, BA, *Student Representative*  
DR I. LEMOS, BA Ms A. KELLY, BA, MA, *Student Representative*

*Editor of the Annual*  
DR V. E. S WEBB, BA, FSA

*Honorary Treasurer*  
D. C. BORER, Esq., MA, FCA

*Chairman of the Publications Board*  
DR A. W. JOHNSTON, MA, FSA

*Chairman of the Fitch Laboratory Committee*  
DR P. HALSTEAD, MA

PUBLICATIONS BOARD  
DR A. W. JOHNSTON (*Chairman, also ex-officio as Chairman of Publications Committee*)  
DR N. MOMIGLIANO, MA  
DR I. K. WHITBREAD, BA, FSA  
PROFESSOR D. G. J. SHIPLEY, MA, FSA  
PROFESSOR A. J. S. SPAWFORTH, BA, PhD  
PROFESSOR J. E. HERRIN, MA  
PROFESSOR P. M. WARREN, MA, FBA, FSA (*ex-officio, BSA Chairman*)  
DR A. J. M. WHITLEY, MA, FSA (*ex-officio, Director*)  
MRS S. SADLER (*ex-officio, Publications Assistant*)  
DR V. E. S. WEBB, BA, FSA (*ex-officio, Editor of Annual*)  
DR O. H. KRZYSZKOWSKA, MA, FSA (*ex-officio, Editor of BSA Supplementary Volumes and Studies*)  
DR E. KIRIATZI, MA (*ex-officio, Director of the Fitch Laboratory*)

LONDON SECRETARY  
Ms H. B. FIELDS

DIRECTOR OF THE FITCH LABORATORY  
DR E. KIRIATZI, BA

ASSISTANT DIRECTOR  
DR R. SWEETMAN, BA

SCHOOL SECRETARY  
MRS H. R. CLARK, MBE

CURATOR AT KNOSSOS  
DR E. M. HATZAKI, BA

LIBRARIAN  
MRS P. WILSON-ZARGANIS, ALAA

**Athens:** Odos Souedias 52  
GR-016 76 Athens  
Greece *School Office:* Tel: 0030-210-721 0974  
Fax: 0030-210-723 6560  
E-mail: bsa@bsa.ac.uk

*Fitch Laboratory:* Tel: 0030-210-721 7482  
E-mail: fitchlab@bsa.ac.uk *Friends of the BSA:* Tel: 0030-210-722 9283  
E-mail: friends@bsa.ac.uk

**Knossos:** The Taverna  
Villa Ariadne  
Knossos, Heraklion  
GR-714 09 Crete  
Greece Tel: 0030-2810-231 993  
Fax: 0030-2810-238 495  
E-mail: bsaknosos@otenet.gr

**London:** Senate House  
Malet Street  
London  
WC1E 7HU *Publications:* Tel: 0044-20-7862 8732  
Fax: 0044-20-7862 8733  
E-mail: bsa@sas.ac.uk  
E-mail: publications@bsa.ac.uk

*Friends of the BSA (UK)* Dr H. W. Catling  
*Hon. Secretaries:* Dunford House  
Langford  
Lechlade  
Glos., GL7 3LN Miss M.-C. Keith  
116, Cambridge St.  
London  
SW1V 4QF

# PUBLICATIONS OF THE BRITISH SCHOOL AT ATHENS

The following may be obtained from the London office of the School unless otherwise stated.

## *Annual of the British School at Athens*

From the London office: volumes 53–4 (1958–9), 63 to 81 (1968 to 1986) and 87 to 98 (1992 to 2003); *Indexes* to volumes 49–68 and 69–84.

From Periodicals Service Company (Germantown NY 12526, USA): volumes 1 to 40 (1894–5 to 1939–40) and the *Index* to volumes 1–32.

## *Supplementary Volumes of the Annual*

The following are in print:

- 3 S. Adam, *The Technique of Greek Sculpture* (1966)
- 9 J. M. Hussey, *The Finlay Papers: A Catalogue* (1973)
- 11 M. R. Popham, L. H. Sackett and P. Themelis, *Lefkandi, I: The Iron Age, Plates* (1979) and *Text* (1980) available separately
- 14 M. S. F. Hood and D. Smyth, *An Archaeological Survey of the Knossos Area* (1981)
- 17 M. R. Popham, *The Minoan Unexplored Mansion at Knossos: Text* (1985) only available
- 20 M. Balance *et al.*, *Byzantine Emporio: Excavations at Chios 1952–55* (1989)
- 22 R. W. V. Catling and I. S. Lemos, *Lefkandi, III: The Protogeometric Building at Toumba*, part I: *The Pottery* (1991)
- 23 M. R. Popham, P. G. Calligas, and L. H. Sackett (eds), *Lefkandi, II: The Protogeometric Building at Toumba*, part II: *The Excavation of the Building, its Architecture, and Finds* (1993)
- 24 I. Tournavitou, *The 'Ivory Houses' at Mycenae* (1995)
- 25 K. A. Wardle (ed.), *Nea Nikomedeia, I: The Excavation and the Ceramic Assemblage* (1996)
- 26 W. Cavanagh, J. Crouwel, R. Catling, and G. Shipley, *Continuity and Change in a Greek Rural Landscape: The Laconia Survey, I: Methodology and Interpretation* (2002)
- 27 W. Cavanagh, J. Crouwel, R. W. V. Catling and G. Shipley, *Continuity and Change in a Greek Rural Landscape: The Laconia Survey, II: Archaeological Data* (1996)
- 28 J. N. Coldstream and H. W. Catling (eds), *Knossos, the North Cemetery: Early Greek Tombs* (1997); 4 volumes, not available separately
- 29 M. R. Popham, *Lefkandi, III: Plates* (1996)
- 30 J. M. Cook and R. V. Nicholls, *Old Smyrna Excavations: The Temples of Athena* (1998)
- 31 M. Panagiotaki, *The Central Palace Sanctuary at Knossos* (1999)
- 32 C. Ridley, K. A. Wardle and C. A. Mould, *Servia I: Anglo-Hellenic Rescue Excavations 1971–73 directed by Katerina Rhomaiopoulou and Cressida Ridley* (2000)
- 33 J. J. Coulton (ed.), *The Fort at Phylla, Vrachos: Excavations and Researches at a Late Archaic Fort in Central Euboea* (2002)
- 34 P. A. Mountjoy, with contributions by B. Burke, K. S. Christakis, J. M. Driessen, R. D. G. Evely, C. Knappett and O. H. Krzyzskowska, *Knossos: The South House* (2003)
- 35 O. Gilkes (ed.), *The Theatre at Butrint: Luigi Maria Ugolini's Excavations at Butrint 1928–1932* (2003)
- 36 W. Cavanagh, C. Mee and P. James (with contributions by N. Brodie and T. Carter), *The Laconia Rural Sites Project* (2005)

## *BSA Studies*

- 1 M. R. Popham, *The Latest Sealings from the Palace and Houses at Knossos* (1997)
- 2 W. G. Cavanagh and M. Curtis (eds), *Post-Minoan Crete* (1998)
- 3 E. Adam, G. Bailey, E. Panagopoulou, C. Perlès and K. Zachos (eds), *The Palaeolithic of Greece and the Balkans: Proceedings of the ICOPAG Conference, Ioannina, September 1994* (1999)
- 4 W. G. Cavanagh and S. E. C. Walker (eds), *Sparta in Laconia: The Archaeology of a City and its Countryside* (1999)
- 5 J. A. MacGillivray, *Knossos: Pottery Groups of the Old Palace Period* (1999)

- 6 J. A. MacGillivray, J. M. Driessen and L. H. Sackett (eds), *The Palaikastro Kouros: A Minoan Chryselephantine Statuette and its Aegean Context* (2000)
- 7 J. N. Coldstream, L. J. Eiring and G. Forster, *Knossos Pottery Handbook: Greek and Roman* (2001)
- 8 J. Herrin, M. Mullett and C. Otten-Froux (eds), *Mosaic: Festschrift for A. H. S. Megaw* (2001)
- 9 E. Kotjabopoulou, Y. Hamilakis, P. Halstead, C. Gamble, and P. Elefanti (eds), *Zooarchaeology in Greece: Recent Advances* (2003)
- 10 N. Galanidou and C. Perlès (eds), *The Greek Mesolithic: Problems and Perspectives* (2003)
- 11 M. Iacovou (ed.), *Archaeological Field Survey in Cyprus: Past History, Future Potential. Proceedings of a Conference held by the Archaeological Research Unit of the University of Cyprus, 1–2 December, 2000* (2004)
- 12 G. Cadogan, E. Hatzaki and A. Vasilakis (eds), *Knossos: Palace, City, State: Proceedings of the Conference in Herakleion organised by the British School at Athens and the 23rd Ephoreia of Prehistoric and Classical Antiquities of Herakleion, in November 2000, for the Centenary of Sir Arthur Evans's Excavations at Knossos* (2004)

*Archaeological Reports*

Some back issues of this annual publication (issued jointly by the School and the Society for the Promotion of Hellenic Studies) may be obtained from the London Office.

*Fitch Laboratory Occasional Papers*

This series may be obtained from Oxbow Books, Park End Place, Oxford, OX1 1HN.

## CONTENTS

ABSTRACTS	xi
1. PARASKEVI YIOUNI: Counting pots in Early Neolithic Greece ( <i>Plates 1–3</i> ) . . . . .	1
2. STELLA KATSAROU and DEMETRIUS U. SCHILARDI: Emerging Neolithic and Early Cycladic settlements in Paros: Koukounaries and Sklavouna . . . . .	23
3. W. CAVANAGH, C. MEE, and J. RENARD (with contributions by N. BRODIE, F. FROEHLICH, P. A. JAMES, A. KARABATSOLI and M. KOUSOULAKOU): ‘Sparta before Sparta’: report on the intensive survey at Kouphovouno 1999–2000	49
4. L. VANCE WATROUS: New pottery from the Psychro Cave and its implications for Minoan Crete ( <i>Plates 4–10</i> ) . . . . .	129
5. WENDY LOGUE: Set in stone: the role of relief-carved stone vessels in Neopalatial Minoan elite propaganda . . . . .	149
6. JOSEPH W. SHAW: Roof drains and parapets in the southern Aegean ( <i>Plates 11–14</i> ) . . . . .	173
7. P. A. MOUNTJOY: Miletos: a note . . . . .	189
8. LESLEY BEAUMONT and AGLAIA ARCHONTIDOU-ARGYRI (with contributions by Hugh BEAMES, Angeliki TSIGKOU and Nicola WARDLE): Excavations at Kato Phana, Chios: 1999, 2000 and 2001 ( <i>Plates 15–22</i> ) . . . . .	201
9. JARI PAKKANEN: The Toumba building at Lefkandi: a statistical method for detecting a design-unit . . . . .	257
10. A. H. JACKSON: An early Corinthian helmet in the Manchester Museum ( <i>Plates 23–25</i> ) . . . . .	273
11. AENNE OHNESORG: A small votive capital from Kythera ( <i>Plates 26–28</i> ) . . . . .	283
12. KYRIAKI KALLIGA: Anchialos-Sindos Double Trapeza. Pit C: observations on the painted and black-glazed pottery of local fourth-century BC workshops ( <i>Plates 29–35</i> ) . . . . .	291

13. REBECCA J. SWEETMAN: Late Antique Knossos. Understanding the city: evidence of mosaics and religious architecture ( <i>Plates 36–48</i> ) . . . . .	315
14. GERALD CADOGAN: Mervyn Popham: an addendum . . . . .	355
INDEXES by GRAHAM SHIPLEY . . . . .	357

## ALPHABETICAL TABLE OF CONTENTS

BEAUMONT, LESLEY and ARCHONTIDOU-ARGYRI, AGLAIA (with contributions by Hugh BEAMES, Angeliki TSIGKOU and Nicola WARDLE): Excavations at Kato Phana, Chios: 1999, 2000 and 2001	201
CADOGAN, GERALD: Mervyn Popham: an addendum	355
CAVANAGH, W, MEE, C. and RENARD, J. (with contributions by N. BRODIE, F. FROEHLICH, P. A. JAMES, A. KARABATOSKI and M. KOUSOULAKOU): 'Sparta before Sparta': report on the intensive survey at Kouphovouno 1999–2000	49
KATSAROU, STELLA and SCHILARDI, DEMETRIUS U.: Emerging Neolithic and Early Cycladic settlements in Paros: Koukounaries and Sklavouna	23
KALLIGA, KYRIAKI: Anchialos-Sindos Double Trapeza. Pit C: observations on the painted and black-glazed pottery of local fourth-century BC workshops	291
JACKSON, A. H.: An early Corinthian helmet in the Manchester Museum	273
LOGUE, WENDY: Set in stone: the role of relief carved stone vessels in Neopalatial Minoan elite propaganda	149
MOUNTJOY, P. A.: Miletos: a note	189
OHNESORG, AENNE: A small votive capital from Kythera	283
PAKKANEN, JARI: The Toumba building at Lefkandi: a statistical method for detecting a design-unit	257
SHAW, JOSEPH W.: Roof drains and parapets in the southern Aegean	173
SWEETMAN, REBECCA J.: Late Antique Knossos. Understanding the city: evidence of mosaics and religious architecture	315
WATROUS, L. VANCE: New pottery from the Psychro Cave and its implications for Minoan Crete	129
YIOUNI, PARASKEVI: Counting pots in Early Neolithic Greece	1

The Editor is grateful to Leofranc Holford-Strevens and Rayna Andrew for their assistance in the preparation of this volume.