

THE ANNUAL
OF THE
BRITISH SCHOOL AT ATHENS

THE ANNUAL
OF THE
BRITISH SCHOOL AT ATHENS

No. 104

2009

THE BRITISH SCHOOL AT ATHENS
Published by the Council

© *The Council, British School at Athens, 2009*
ISSN 0068-2454

Typeset by Mark Heslington, Scarborough, North Yorkshire
Printed and bound in Great Britain
by Remous Ltd, Milbourne Port, Sherborne

THE BRITISH SCHOOL AT ATHENS

(2009)

PATRON

HRH THE PRINCE OF WALES

DIRECTOR

PROFESSOR C. A. MORGAN, MA, *Co-Editor of the Annual*

VICE-PRESIDENTS

PROFESSOR SIR JOHN BOARDMAN, MA, FBA, FSA

G. CADOGAN, ESQ., MA, FSA

DR H.W. CATLING, CBE, MA, FSA

M.S.F. HOOD, ESQ., MA, FBA, FSA

SIR MICHAEL LEWELLYN SMITH, KCVO, CMG, D.Phil

PROFESSOR R.A. TOMLINSON, MA, FSA, *Vice-President*

PROFESSOR P.M. WARREN, MA, FBA, FSA

DR M.H. WIENER, FSA

DR C.K. WILLIAMS II, FSA

Mr H. SACKETT, MA, Dip.ED., FSA

COUNCIL

PROFESSOR LORD RENFREW OF KAIMSTHORN, FBA, *Chairman*

THE BRITISH AMBASSADOR IN ATHENS

PROFESSOR P.M. WARREN, MA, FBA, FSA, *Vice-President*

SIR ADAM RIDLEY, MA

DR L. BENDALL, MA

DR M.J. BOYD, MA, FSASCOT

DR A.W. DUNN, MA

DR Z. ARCHBALD, MPhil

DR S. MOSSMAN, BA, MSC

PROFESSOR A.J.N.W. PRAG, MA, FSA

DR S. WALLACE, MA, MSC

DR N. SPENCER

Ms J. OTTO (*Student Representative*)

DR R. PAYNE (*Student Representative*)

Editor of the Annual

DR N. MOMIGLIANO, MA, FSA

Honorary Treasurer

DR C. BELL, MA

Chairman: Publication Committee and Editorial Board

DR A.W. JOHNSTON, MA, FSA

Chairman of the Fitch Laboratory Committee

PROFESSOR I. FREESTONE, FSA, FGS

Editor of Supplementary Volumes/Studies

DR O. KRZYSZKOWSKA, MA, FSA

Secretary

Ms H.B. FIELDS

PUBLICATIONS BOARD

PROFESSOR SUSAN ALCOCK, BROWN

PROFESSOR STELIOS ANDREOU, THESSALONIKI

PROFESSOR JOOST CROUWEL, AMSTERDAM

DR YANNIS HAMILAKIS, SOUTHAMPTON

DR PAUL HALSTEAD, SHEFFIELD

PROFESSOR MILTIADES HATZOPOULOS, KERA, ATHENS

PROFESSOR JUDITH HERRIN, KING'S COLLEGE

PROFESSOR CHRIS MEE, LIVERPOOL

DR JAMES ROY, NOTTINGHAM

PROFESSOR TONY SPAWFORTH, NEWCASTLE UPON TYNE

PROFESSOR ANDREW STEWART, U.C. BERKELEY

DR IAN WHITBREAD, LEICESTER

And members of the Publications Subcommittee, ex-officio

ASSISTANT DIRECTOR
R. K. PITT, ESQ., BA, MA

DIRECTOR OF THE FITCH LABORATORY
DR E. KIRIATZI, BA

SCHOOL SECRETARY
MRS H. R. CLARK, MBE

CURATOR AT KNOSSOS
DR R. D. G. EVELY, MA
PROF. T. WHITELAW (Acting Curator)

LIBRARIAN
MRS P. WILSON-ZARGANIS, ALAA

Athens:	Odos Souedias 52 GR-106 76 Athens Greece	<i>School Office:</i>	Tel: 0030-210-721 0974 Fax: 0030-210-723 6560 E-mail: admin@bsa.ac.uk
<i>Fitch Laboratory:</i>	Tel: 0030-210-721 7482 E-mail: fitchlab@bsa.ac.uk	<i>Friends of the BSA:</i>	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: bsaknoso@otenet.gr
London:	Senate House Malet Street London WC1E 7HU	<i>Publications:</i>	Tel: 0044-20-7862 8732 Fax: 0044-20-7862 8733 E-mail: bsa@sas.ac.uk E-mail: publications@bsa.ac.uk
<i>Friends of the BSA (UK) Hon. Secretaries:</i>	Dr H.W. Catling Dunford House Langford Lechlade Glos., GL7 3LN		Miss M.-C. Keith 12, Sovereign Court 51 Gillingham Street London SW1V 1HS
USA:	<i>The British School at Athens Foundation</i> Mr L. Hugh Sackett (<i>President</i>) Groton School Box 991, Groton, MA 01450 USA		Tel: 001-978-448 5205 Fax: 001-978-448 2348 E-mail: hsackett@groton.org

WEBSITE – www.bsa.ac.uk

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 86–102 (1991 to 2007); *Indexes* to volumes 49–68 and 69–84.

From Periodicals Service Company (Germantown, NY 12526, USA): volumes 1 to 101 (1894–5 to 2006) 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, Text* (1980) only available separately
- 17 M.R. Popham, *The Minoan Unexplored Mansion at Knossos: Text* (1985) only available
- 23 M.R. Popham, P.G. Calligas and L.H. Sackett (eds), *Lefkandi II. The Protoegeometric 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.W.V. 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 Rhoimiopoulou 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. Krzyzkowska, *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)
- 37 K. Francis (ed.), *Explorations in Albania, 1930–39: The Notebooks of Luigi Cardini ...* (2005)
- 38 E. Hatzaki, *Knossos: The Little Palace* (2005)
- 39 D. Evely (ed.), *Lefkandi IV The Bronze Age* (2006)
- 40 L. Marangou, C. Renfrew, C. Doumas and G. Gavalas, *Markiani, Amorgos: an early Bronze Age fortified settlement* (2006)
- 41 C.F. Macdonald and C. Knappett (with contributions by I. Schoep, J. Weingarten, V. Isaakidou and T. Carter), *Knossos: Protopalatial Deposits in early Magazine A and the South-West Houses* (2007)
- 42 C. Renfrew, co-edited by N. Brodie, C. Morris and C. Scarre (with contributions by R.L.N. Barber, J.F. Cherry, J.L. Davis, A. Daykin, R.K. Evans, L. Morgan, P.A. Mountjoy, S.J. Vaughan, D. Williams and N. Winder, et al.), *Excavations at Phylakopi in Melos 1974–77* (2007)
- 43 L.H. Sackett, J.A. MacGillivray and J.M. Driessen (with contributions by C. Doherty, D. Evely, E.M. Hatzaki, D. Mylonas, D. Reese, A. Sarpaki, S.M. Thorne, S. Wall-Crowther and J. Weingarten), *Palaiastro: Two Late Minoan Wells* (2007)

- 44 W.D. Taylour and R. Janko (with the assistance of D. Fortenberry, M.J. Goalen and T. Wallace), *Ayios Stephanos: Excavations at a Bronze Age and Medieval Settlement in Southern Laconia* (2008)
- 45 H.W. Catling (with contributions by H. Hughes-Brock, N. Brodie, G. Jones, R.E. Jones and J.E. Tomlinson), *Sparta: Menelaion I. The Bronze Age* (2009)

BSA Studies

- 1 M.R. Popham and M.A.V. Gill, *The Latest Sealings from the Palace and Houses at Knossos* (1997)
- 3 E. Adam, G. Bailey, E. Pangopoulou, C. Perlès and K. Zachos (eds), *The Palaeolithic of Greece and the Balkans: Proceedings of the ICOPAG Conference, Ioannina, September 1994* (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. Elefantii (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)
- 13 L. Morgan (ed.), *Aegean Wall Painting: A Tribute to Mark Cameron* (2005)
- 14 N. Momigliano (ed), with chapters by P. Tomkins, D.E. Wilson, N. Momigliano, J.A. MacGillivray and E. Hatzaki, *Knossos Pottery Handbook: Neolithic and Bronze Age (Minoan)* (2007)
- 15 R. Westgate, N. Fisher and J. Whitley (eds), *Building Communities: Houses, Settlement and Society in the Aegean and Beyond: Proceedings of a Conference held at Cardiff University 17–21 April 2001* (2007)
- 16 W.G. Cavanagh, C. Gallow and M. Georgiadis (eds), *Sparta and Laconia: from Prehistory to Pre-Modern* (2009)

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.
(<http://www.oxbowbooks.com/>)

CONTENTS

ABSTRACTS	xiii
EDITOR'S ACKNOWLEDGEMENTS	xxii
1. GERALD CADOGAN: Nicolas Coldstream (1927–2008)	1
2. K.D. FRANCIS, D.J. BESCOBY AND I. GJIPALI: A Preliminary Investigation of Two Prehistoric Cave Sites in Southern Albania	9
3. C. RENFREW, O. PHILANIOTOU, N. BRODIE AND G. GAVALAS: The Early Cycladic Settlement at Dhaskalio, Keros: Preliminary Report of the 2008 Excavation Season	27
4. NEIL BRODIE: A Reassessment of Mackenzie's Second and Third Cities at Phylakopi.	49
5. P.A. MOUNTJOY: The Late Minoan II-III and Mycenaean Pottery from the 1911 Excavations at Phylakopi on Melos.	73
6. INA BERG: X-Radiography of Knossian Bronze Age Vessels: Assessing our Knowledge of Primary Forming Techniques	137
7. E.B. FRENCH AND PH. STOCKHAMMER (WITH A CONTRIBUTION BY U. DAMM-MEINHARDT): Mycenae and Tiryns: the Pottery of the Second Half of the Thirteenth Century BC – Contexts and Definitions.	175
8. L. PAPAZOGLOU-MANIOUDAKI, A. NAFPLIOTI, J.H. MUSGRAVE, R.A.H. NEAVE, D. SMITH AND A.J.N.W. PRAG: Mycenae Revisited Part 1. The Human Remains from Grave Circle A: Stamatakis, Schliemann and Two New Faces from Shaft Grave VI.	233
9. ARGYRO NAFPLIOTI: Mycenae Revisited Part 2. Exploring the Local versus Non-local Geographical Origin of the Individuals from Grave Circle A: Evidence from Strontium Isotope Ratio (⁸⁷ Sr/ ⁸⁶ Sr) Analysis	279
10. A.S. BOUWMAN, K.A. BROWN, T.A. BROWN, E.R. CHILVERS, R. ARNOTT AND A.J.N.W. PRAG: Kinship in Aegean Prehistory? Ancient DNA in Human Bones from Mainland Greece and Crete	293

11. ELENA KONSTANTINIDI-SYVRIDI AND MARIA KONTAKI: Casting Finger Rings in Mycenaean Times: Two Unpublished Moulds at the National Archaeological Museum, Athens.	311
12. R. HOPE SIMPSON: Prehistoric Laconia: A Note on the Location of the Site of Souroukla	321
13. GINA SALAPATA: Female Triads on Laconian Terracotta Plaques	325
14. TYLER JO SMITH: East Greek Pottery in the Collection of the British School at Athens	341
INDEXES by Graham Shipley.	361
INSTRUCTIONS TO CONTRIBUTORS	373

ALPHABETICAL TABLE OF CONTENTS

INA BERG: X-Radiography of Knossian Bronze Age Vessels: Assessing our Knowledge of Primary Forming Techniques	137
A.S. BOUWMAN, K.A. BROWN, T.A. BROWN, E.R. CHILVERS, R. ARNOTT AND A.J.N.W. PRAG: Kinship in Aegean Prehistory? Ancient DNA in Human Bones from Mainland Greece and Crete.	293
NEIL BRODIE: A Reassessment of Mackenzie's Second and Third Cities at Phylakopi	49
GERALD CADOGAN: Nicolas Coldstream (1927–2008)	1
K.D. FRANCIS, D.J. BESCOBY AND I. GJIPALI: A Preliminary Investigation of Two Prehistoric Cave Sites in Southern Albania	9
E.B. FRENCH AND PH. STOCKHAMMER (WITH A CONTRIBUTION BY U. DAMM-MEINHARDT): Mycenae and Tiryns: the Pottery of the Second Half of the Thirteenth Century BC – Contexts and Definitions	175
R. HOPE SIMPSON: Prehistoric Laconia: A Note on the Location of the Site of Souroukla	321
ELENA KONSTANTINIDI-SYVRIDI AND MARIA KONTAKI: Casting Finger Rings in Mycenaean Times: Two Unpublished Moulds at the National Archaeological Museum, Athens	311
P.A. MOUNTJOY: The Late Minoan II-III and Mycenaean Pottery from the 1911 Excavations at Phylakopi on Melos.	73
ARGYRO NAFPLIOTI: Mycenae Revisited Part 2. Exploring the Local versus Non-local Geographical Origin of the Individuals from Grave Circle A: Evidence from Strontium Isotope Ratio ($^{87}\text{Sr}/^{86}\text{Sr}$) Analysis	279
L. PAPAZOGLOU-MANIOUDAKI, A. NAFPLIOTI, J.H. MUSGRAVE, R.A.H. NEAVE, D. SMITH AND A.J.N.W. PRAG: Mycenae Revisited Part 1. The Human Remains from Grave Circle A: Stamatakis, Schliemann and Two New Faces from Shaft Grave VI	233

C. RENFREW, O. PHILANIOTOU, N. BRODIE AND G. GAVALAS: The Early Cycladic Settlement at Dhaskalio, Keros: Preliminary Report of the 2008 Excavation Season	27
GINA SALAPATA: Female Triads on Laconian Terracotta Plaques	325
TYLER JO SMITH: East Greek Pottery in the Collection of the British School at Athens	341