ANATOLIAN STUDIES

Journal of the British Institute at Ankara

Volume 60 2010



Published annually by
THE BRITISH INSTITUTE AT ANKARA
10 Carlton House Terrace, London SW1Y 5AH

ISSN 0066-1546

BRITISH INSTITUTE AT ANKARA

The objectives of the British Institute at Ankara are to enable UK scholars across the humanities and social sciences to undertake world-class original research and fieldwork focused on Turkey and the Black Sea littoral region; to encourage and facilitate collaborative research with other UK institutions and with scholars and institutions in Turkey and the Black Sea littoral region; and to maintain a centre of research excellence in Ankara focused on the archaeology, history and related subjects of Turkey.

A small staff at the Institute's premises in Ankara conduct their own research, assist scholars and maintain the centre of research excellence. The centre houses a library of over 52,000 volumes, research collections of botanical, faunal, epigraphic and pottery material, together with collections of maps, photographs and fieldwork archives, and a laboratory and computer services. Access to these resources is available free of charge to members of the Institute. The Institute is able to offer to members, for a reasonable charge, the use of accommodation, surveying and photographic equipment, and a four-wheel-drive vehicle.

The Institute encourages as wide a scope of high-quality research as can be supported with its financial, practical and administrative resources. The Institute supports a small number of thematically focused research programmes, stimulated by current concerns of academic research in the UK as well as internationally; these are known as Strategic Research Initiatives. In 2010 the following initiatives were supported: Climate History of Anatolia and the Black Sea; Frontiers of the Ottoman World; and Settlement History of Anatolia. A diverse group of research projects, which were funded and/or facilitated by the Institute, operated within the Strategic Research Initiatives scheme during 2010; these include a study of climatic and cultural change in Cappadocia over a period of 5,000 years directed by Neil Roberts of the University of Plymouth, the historical-archaeological investigation of Akkerman fortress, Ukraine, directed by Caroline Finkel, Svitlana Bilyayeva and Victor Ostapchuk, and the major multi-disciplinary research project at Çatalhöyük directed by Ian Hodder via University College London. In addition, the Institute is conducting a major British Academy-funded international research project in collaboration with the Association for South East Asian Studies UK investigating links between the Ottoman Empire, Turkey and Southeast Asia between the 16th and 20th centuries. The Institute also offers a range of grants to support undergraduate to post-doctoral research.

Subscription to the Institute costs £35 per annum (£17.50 for students and those who are unwaged). Members are entitled to copies of the Institute's annual journal, *Anatolian Studies*, and of its annual publication on current research, *Anatolian Archaeology*, a discount on other Institute publications, notification of conferences and lectures, and access to the centre of research excellence, accommodation and other services in Ankara.

To join the Institute, or for further information about its work, please contact us at
British Institute at Ankara

10 Carlton House Terrace, London SW1Y 5AH
Email: biaa@britac.ac.uk

Web site: www.biaa.ac.uk

Back copies of *Anatolian Studies* are available from Oxbow Books, Park End Place, Oxford OX1 1HN www.oxbowbooks.com

Cover photo: fortification wall on the Düzen Tepe promontory (© The Sagalassos Project). See "Pisidian" culture? The Classical-Hellenistic site at Düzen Tepe near Sagalassus (southwest Turkey)' by H. Vanhaverbeke et al.

ANATOLIAN STUDIES

Journal of the British Institute at Ankara

Volume 60 2010

Contents

A Hittite seal from Kavuşan Höyük, <i>Lorenzo d'Alfonso</i>	1
Hittites and Arzawans: a view from western Anatolia, Naoíse Mac Sweeney	7
Mycenaean cultural impact on the Çine (Marsyas) plain, southwest Anatolia: the evidence from Çine-Tepecik, Sevinç Günel	25
How old was the Ankara Silver Bowl when its inscriptions were added?, S.P.B. Durnford	51
Patterns of Iron Age interaction in central Anatolia: three sites in Yozgat province, Lisa Kealhofer, Peter Grave, Ben Marsh, Sharon Steadman, Ronald L. Gorny and Geoffrey D. Summers	71
The building complex on the Tepecik acropolis at Patara, Gül Işın	93
'Pisidian' culture? The Classical-Hellenistic site at Düzen Tepe near Sagalassus (southwest Turkey), H. Vanhaverbeke, M. Waelkens, K. Vyncke, V. De Laet, S. Aydal, B. Mušič, B. De Cupere, J. Poblome, D. Braekmans, P. Degryse, E. Marinova, G. Verstraeten, W. Van Neer, B. Šlapšak, I. Medarič, H.A. Ekinci and M.O. Erbay	105
A Pannonian auxiliary's epitaph from Roman Gordion, Andrew L. Goldman	129
A terracotta spacer pin: evidence for a Roman baths at Amorium, Oğuz Koçyiğit	147
Tools and souvenirs: the shells from Kilise Tepe (1994–1998), Sofie Debruyne	149

Published annually by
THE BRITISH INSTITUTE AT ANKARA
10 Carlton House Terrace, London SW1Y 5AH

ISSN 0066-1546

ACADEMIC EDITOR

Professor Roger Matthews (University College London)

EXECUTIVE EDITOR

Gina Coulthard (British Institute at Ankara)

EDITORIAL BOARD

Dr J.J. Coulton (University of Oxford, retired)
Dr Warren Eastwood (University of Birmingham)
Shahina Farid (Çatalhöyük Research Project)
Dr Alexandra Fletcher (The British Museum)
Professor Stephen Mitchell (University of Exeter)
Dr Andrew Peacock (British Institute at Ankara)

Anatolian Studies is a refereed journal

Articles for publication, requests for Notes for Contributors and other correspondence should be addressed to

The Executive Editor, Anatolian Studies

British Institute at Ankara

10 Carlton House Terrace, London SW1Y 5AH

Email: biaapub@britac.ac.uk

With acknowledgements to The Society of Dilettanti

© British Institute of Archaeology at Ankara 2010 ISSN 0066-1546

All rights reserved. No parts of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior permission of the British Institute of Archaeology at Ankara.

Printed by Stephen Austin & Sons Ltd, Hertford

Published annually by
THE BRITISH INSTITUTE AT ANKARA
10 Carlton House Terrace, London SW1Y 5AH