

ARCHAEOLOGY
at
OXFORD

Report of the School of Archaeology
2004–2005

University of Oxford

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1. CHAIRMAN'S REPORT FOR THE YEAR 2004-2005

There were considerable changes of staff this year, as there had been in the previous year. The Institute said a fond farewell to Andrew Sherratt after over 30 years during which he was a major presence in archaeology at Oxford. Andrew and Sue both left to take up jobs in Sheffield. At the RLAHA Mark Pollard took over from Mike Tite as Edward Hall Professor and Director of the Research Laboratory. We also said hello to Lisa Bendall (Lecturer in Aegean Prehistory), Janet DeLaine (Lecturer in Roman Archaeology) and Irene Lemos (Reader in Classical Archaeology). Also in the RLAHA Simon Blockley was appointed RCUK Fellow. Damian Robinson arrived to take up a two-year post as replacement for Andrew Wilson, teaching and researching Roman archaeology. Andrew's leave was due to his receipt of the Leverhulme Prize in Archaeology. New appointments make for new possibilities of collaboration between the three main areas of Classical, Prehistoric and Scientific archaeology. Joint projects are being explored or developed in dating and climate change, the production and use of material culture and the material basis for art and aesthetics.

A number of staff were promoted in the recognition of distinction exercise, reflecting the hard work and the range and quality of results produced by members of the School. A characteristic of work in the School is an emphasis on empirical research and methodology. Our work is theoretically informed, but this theory is practice-led, so that we attempt to develop broader intellectual frameworks around bodies of material, sites or landscapes. Much work is focused on field projects, laboratory work or the analysis of material in museums. Broader discussions of the significance of various aspects of the past have proceeded from the analysis of empirical material. It has been pleasing to see this pattern of work rewarded within the university.

Much of the work of the School (and indeed of this report) would not have been possible without the input of a great range of support staff. We would like to take this opportunity to thank them all for their efforts.

2. THE UNIVERSITY'S ARCHAEOLOGICAL UNITS

2.1. *Under the School of Archaeology*

Institute of Archaeology

36 Beaumont Street, Oxford, OX1 2PG (01865) 278240; Fax (01865) 278254

Professor B.W. Cunliffe, Professor of European Archaeology
Professor R.R.R. Smith, Lincoln Professor of Classical Archaeology and Art
Professor A. Wilson, Professor of the Archaeology of the Roman Empire

Professor R.N.E. Barton, Lecturer in Palaeolithic Archaeology
Dr L. Bendall, Sinclair & Rachel Hood Lecturer in Aegean Prehistory
Dr J. DeLaine, Lecturer in Roman Archaeology
Professor C. Gosden, Lecturer in Archaeology
Dr H. Hamerow, Lecturer in Medieval Archaeology
Professor D.C. Kurtz, Professor of Classical Art
Dr I. Lemos, Reader in Classical Archaeology
Dr G. Lock, Lecturer in Archaeology, Director of the Institute
Dr M. Mango, Lecturer in Byzantine Archaeology
Dr P. Mitchell, University Lecturer in African Prehistory
Dr D. Robinson, Junior Lecturer in Classical Archaeology
Professor A.G. Sherratt, Professor of Archaeology

Research Assistants

Ms E. Durham
Dr A. Marzano
Dr Cath Price

Visiting Research Fellow

Dr Adrian Parker (Oxford Brookes University)

Visiting Lecturer

Dr M. Henig

Honorary Research Associates

Dr D. Briggs
Dr I. Brown
Dr E. Cameron
Dr T.L. Evans
Dr G. Gilmour
Mr T. Hassall
Dr P.M. Kenrick
Dr H. Lewis
Dr F. Menotti
Dr S. Milliken
Dr A. Mitchell

Dr R. Prentice
Miss G. Seidmann
Ms G. Vitelli Michelson
Dr V. Winton
Mrs S.M. Youngs

Research Staff

Dr P. de Jersey (Celtic Coin Index)
Ms V. Rigby (Gallo-Belgic Pottery)
Dr J. Timby (Gallo-Belgic Pottery)

During the 2004/5 academic year the Institute said farewell to Professor Andrew Sherratt and Dr Susan Sherratt who have departed to further their careers in Sheffield; they will be missed and we wish them well. We have welcomed Dr Lisa Bendall (Lecturer in Aegean Prehistory), Dr Janet Delaine (Lecturer in Roman Archaeology), Dr Irene Lemos (Reader in Classical Archaeology), Dr Annalisa Marzano (Research Assistant to Professor Andrew Wilson) and Dr Damian Robinson (Junior Lecturer in Roman Archaeology), as well as Ms Sarah Legaspi (Financial Assistant) and Ms Laura Phillips (part-time Librarian/Archivist). Dr Gary Lock has taken over as Director from Dr Helena Hamerow for a period of two years.

The Institute continues to accommodate a number of major research projects, including the Hillforts of the Ridgeway and Vale and Ridgeway Projects, The Tchalenko Archive Project, the Celtic Coin Index, the Pioneers of Island Melanesia Project, the Biogeography of Human Colonisation and Extinction in the Late Pleistocene of Southern Iberia Project, the Environmental Factors in Human Evolution and Dispersals in the Upper Pleistocene of the Western Mediterranean Project, the Danebury Environs Roman Programme, the Le Yaudet Project and the Gallo-Belgic Pottery in Britain Project. It also continued to provide a venue for a wide range of seminars, lectures and symposia representing the diverse intellectual interests of its staff and students. The Donald Baden-Powell Centre for Palaeolithic Research and the Oxford Centre for Maritime Archaeology continue to be important elements within the Institute.

Academic visitors to the Institute this year have included Dr Ada Erlich from Israel and Professor Maria Iacovou from Cyprus. Our Honorary Research Associates now total seventeen and continue to contribute to the intellectual and social life of the Institute.

The Institute continues to focus on offering high quality services in the areas of Photography and Graphics where further developments and upgrades have progressed our digitisation programme. Computing facilities are also under constant review and the Advanced Computer Room has been re-located and refurbished including updating GIS and other specialist software. Storage and working facilities in the Sackler basement have been improved.

Research Laboratory for Archaeology and the History of Art

6 Keble Road, Oxford, OX1 3QJ (01865) 283033; Fax (01865) 273932

Professor A.M. Pollard, Director, Edward Hall Professor of Archaeological Science
Professor R.E.M. Hedges, Deputy Director, Professor of Archaeological Science

Research Assistants

Dr A. Allsop

Dr S. Blockley

Dr Fiona Brock

Dr P. Ditchfield

Mr C. Doherty

Ms B. Emery

Ms J. Hamilton

Dr T. Higham

Dr C. Ramsey

Dr A. Shortland

Dr J.-L. Schwenninger

Honorary Research Associates

Dr N. Easthaugh

Dr B.J.J. Gilmour

Professor T. Molleson

Professor N. Wood

Dr L. Wilson

Professor Mark Pollard, previously Professor of Archaeological Sciences and Pro-Vice-Chancellor at the University of Bradford, became the new Edward Hall Professor of Archaeological Science to replace Professor Tite on his retirement at the end of September 2004. He established a tephra research group in December 2004, appointing Dr Simon Blockley as PDRA, who subsequently obtained an RCUK Academic Fellowship in Tephrochronology from August 2005. The research uses both visible and microscopic volcanic ash deposits (tephra) as a dating and stratigraphical tool for directly linking records together in time. We have worked with UK, European and American partners on a range of projects, including tracing micro-tephra layers on archaeological sites in Britain (Shetland and London) and Morocco (with Professor Nick Barton, Institute of Archaeology), and tracing multiple micro-tephra horizons in central European annually-laminated lake deposits (with Professor Andy Lotte, Utrecht), which will provide a chronological framework for European climate change over the last ~30,000 years. We have shown that known tephra horizons can be traced between terrestrial and marine records in the North Atlantic and Mediterranean (Professor Fabio Trincardi, University of Bologna), to aid understanding of the relationship between marine and terrestrial systems during abrupt environmental transitions. In the course of this we have generated one of the largest geochemical databases of central and southern European Late Quaternary tephra deposits. We have also shown for the first time that distal tephra can be found on archaeological sites in mainland North America (with Dr Vance Holliday, University of Arizona, Tucson). This work was carried out by Ms J. Watson, a placement student from the University of Bradford, and was aided by the award of a Nuffield Scholarship. Simon Blockley is Co-Investigator on a NERC Research Grant ('A precise chronology for establishing the timing of changes in the THC vigour, and its environmental consequences, 16-8 Ka BP', NE/C509158/1 £280,767).

The Research Laboratory has continued to undertake research in radiocarbon dating, luminescence dating, studies of ceramics and vitreous materials, biomolecular archaeology and soil magnetic properties. The M.Sc. in Archaeological Science was taught in 2004–5 with four

students, two of whom obtained distinctions. For 2005–6, five students have registered for the course.

Dr Andrew Shortland, who worked with Professor Tite on the technological innovations associated with the production of glass and associated vitreous materials from Egypt, the Near East and the Aegean, left the University in March 2005 to take up a position in the Centre for Archaeological and Forensic Analysis, Department of Materials and Medical Sciences, Cranfield University, Shrivenham.

The high output of the Oxford Radiocarbon Accelerator Unit has been maintained over the past year. Several interesting archaeological research projects have been undertaken. Work is continuing on the application of the ultrafiltration method to dating Mid-Upper Palaeolithic bone from Britain and continental Europe. Radiocarbon dating of animal bone and humanly-modified artefacts from the Ancient Human Occupation of Britain project (AHOB), funded by the Leverhulme Trust, has continued. Revised dating of the Vindija Neanderthals was undertaken showing that the initial results of *c.*28000 BP were too young. A major highlight of the year was the publication in *Nature* of the AMS dating of the Chatelperron type site at the Grotte des Fees, France (Ramsey). Funding has recently been obtained from the Leverhulme Trust for a three-year research project to explore the reliability of parts of the Egyptian historic chronology using AMS (£244,000, ‘Synchronising absolute scientific dating and the Egyptian historical chronology’).

Dr Fiona Brock was appointed in January 2005 as Radiocarbon Laboratory Chemistry Manager. She has begun a project with a Finnish–Danish–American team working on the 14C dating of mortar, and visited the labs in Aarhus, Denmark, to learn the techniques involved. She also joined a team from the University of Wollongong, Australia, led by Bert Roberts and Allan Chivas, for fieldwork in the Yukon Territory, Canada, in July 2005. She is also involved in a research project funded by English Heritage into the preservation of collagen in bones from gravel sites.

Dr Peter Ditchfield has carried out further geo-archaeological and stable isotope studies of the Kanjera South (Kenya) and Bed 1 Olduvai (Tanzania) Oldowan sites, concentrating on palaeoenvironmental reconstruction using oxygen and carbon stable isotopic analysis of tooth enamel in an attempt to discover more about climatic seasonality and its effects on hominid foraging strategies. He has also undertaken further geo-archaeological fieldwork at the Laetoli hominid site (Tanzania) concentrating on environmental reconstruction and improved lithostratigraphic resolution for the new monograph on this site due in 2007. He has also analysed samples from the Jwalapruam valley hominid sites in Andhra Pradesh, India, for stratigraphic correlation and palaeoenvironmental study as part of a wider research project to assess the impacts of the Young Toba Tuff eruption (*c.*75 ka) on Asian hominid populations.

During the summer the Luminescence Dating Laboratory moved to a new purpose-built laboratory within the old Dyson Perrins Laboratory (Chemistry) building in the University Science Area. The new facilities will be shared with the Luminescence Research Group based in the Department of Geography. This merger creates one of the largest luminescence dating laboratories in the world and should secure the University’s reputation as a leading international centre for research in this field. It will also provide enhanced capability for service dating and collaborative research initiatives. Despite the considerable disruption associated with this

relocation the dating service continued to operate throughout the year with fieldwork carried out in Spain, France, Morocco, Syria, Iran, Ireland and numerous sites across the UK.

Palaeodietary studies based on stable isotope measurements on human bone have continued with measurements on material from the Near East and Europe (mainly UK Neolithic to Anglo-Saxon), and the further development of compound specific measurements of amino-acids. New methodologies and approaches have been developed, including the potential of Ca isotopes in studying dairying, the possibilities of boron isotopic studies, and of hydrogen isotopes in determining trophic levels of dietary intake. Julie Hamilton has been measuring stable isotopes (C and N) in humans and fauna from several sites in the Neolithic Causewayed Enclosures re-dating project (Professor Alasdair Whittle) to look at human diet and ecology, and similarly for sites in Russia, France, North Africa and Denmark.

Studies are continuing (Tony Johnson, Adrian Allsop) into characterizing the magnetic mineralogy responsible for archaeologically significant enhancement observed in magnetic gradiometer and susceptibility surveys. The emphasis has been on interpreting the large-scale features revealed during surveys prior to road-widening schemes and other commercial development.

The Donald Baden-Powell Quaternary Research Centre (Institute of Archaeology)

36 Beaumont Street, Oxford, OX1 2PG (01865) 278240

Professor R.N.E. Barton, University Lecturer in Palaeolithic Archaeology and Honorary Director of the Centre

The Research Centre currently has two full-time research students and one NERC-funded Post Doctoral Research Associate. This year it also welcomed Dr A.G. Parker (Oxford Brookes) as a Visiting Research Fellow who is collaborating with Professor Barton on the analysis of plant phytoliths from Quaternary cave deposits. Research links were initiated with Dr Phoca-Cosmetatou (Junior Research Fellow at Keble) and Mr T. Hardacre in connection with their work on Italian Pleistocene vertebrate faunas and stone tool collections from the Upper Thames area, respectively.

The Research Centre continued to provide a focal point for teaching and research of Palaeolithic archaeology and related Quaternary sciences. Three research projects are currently based at the Centre: (1) *Environmental Factors in Human Evolution and Dispersals in the Upper Pleistocene of the Western Mediterranean* (NERC-sponsored), (2) *Biogeography of human colonisation and extinction in the Late Pleistocene of southern Iberia* (AHRC-sponsored), and (3) *Late Upper Palaeolithic & Mesolithic of Britain & Northwest Europe* (Oxford University-sponsored). Through these projects active research partnerships are maintained with the Research Laboratory for Archaeology and the History of Art (Professor Hedges, Dr Higham, Dr Bronk-Ramsey, Dr Ditchfield, Dr Schwenninger and Dr Blockley), Oxford University Centre for the Environment (Dr Willis), Natural History Museum, London (Professor Stringer, Dr Humphrey and Dr Parfitt) and Römisches-Germanisches Zentral Museum, Mainz (Dr Street and Dr Turner).

Teaching for the Centre was undertaken by Dr Price (PDRA) who gave a short course on

the identification of small mammals for research students and also contributed to a weekend residential course on behalf of the Department of Continuing Education. The small teaching collection of lithic artefacts was also utilized by Professor Barton and Dr Phoca-Cosmetatou for undergraduate core courses of the Archaeology and Anthropology degree.

The Centre now offers a range of research facilities including high-power microscopes and environmental processing equipment. It continues to provide an informal service for the identification of Palaeolithic and Mesolithic stone artefacts. Professor Barton acted as consultant for the new Palaeolithic displays at the Oxford University Natural History Museum and was invited to advise on the early human content for the planned galleries at the Ashmolean Museum. He also helped organize with Mr Coote the transfer of collections from the old Research Centre at Banbury Road to the Pitt Rivers Museum.

PADMAC Unit (Unit for the study of Palaeolithic artefacts and associated deposits mapped as Clay-with-flints) (Pitt Rivers Museum)

60 Banbury Road, Oxford, OX2 6PN (01865) 274729

Dr J.E. Scott-Jackson, PADMAC Unit Director and Senior Research Fellow (Pitt Rivers Museum)

Dr P. Horlick, PADMAC Unit, Research Fellow

Dr W.B. Scott-Jackson, PADMAC Unit, Research Fellow

Ms A. Thomas, PADMAC Unit/Earth Sciences, D.Phil. student

Dr H. Walkington, PADMAC Unit, Associate Research Fellow (also Brookes University, Oxford)

Dr V. Winton, PADMAC Unit, Associate Research Fellow (also University of Liverpool)

The PADMAC Unit is a multi-disciplinary geo-archaeological Unit specializing in geology; sedimentology; pedology; lithic artefact technology; landscape archaeology and spatial analysis, which offers students and researchers an opportunity to apply geological/sedimentological techniques and thinking in the context of the earliest evidence of human occupation of Britain (around 600,000–40,000 years ago) through the study of the deposits mapped as Clay-with-flints and associated Palaeolithic artefacts. The study of Lower and Middle Palaeolithic artefacts from deposits mapped as Clay-with-flints, which invariably cap the Downlands of southern England, from Devon in the west to Kent in the east, is arguably the most neglected area of Palaeolithic research in Britain.

Dr Julie Scott-Jackson (PADMAC Unit Director, Senior Research Fellow: specializing in geology, sedimentology, geomorphology and Palaeolithic archaeology) and with responsibility for the Unit's research agenda, training, fieldwork, management and fund raising.

Dr Penny Horlick (PADMAC Unit, Research Fellow: specializing in Spatial Analysis and GIS). In addition to working on a relational database (e.g. entering topographic and Palaeolithic artefact details from the Unit's teaching site at Dickett's Field, Yarnhams Farm, Hampshire) she carried out fieldwork at Dummer Clump, Hampshire (both sites are on deposits mapped as Clay-with-flints). The distribution patterns of these artefacts are being determined through the use of spatial analysis and geographical information systems.

Dr William B. Scott-Jackson (PADMAC Unit, Research Fellow: specializing in Applied Landscape Archaeology) produced GIS database mapping, viewshed analyses and section susceptibility mapping for the PADMAC Unit's areas of interest, investigated historical sources and aerial photographs with the emphasis on Rookery Farm, Kingswood, Surrey. Also, Dummer Clump, Winslade and Popham (all in Hampshire).

Ms Alice Thomas (PADMAC Unit/Earth Sciences, D.Phil. student in geology and sedimentology) worked in the field and laboratory, collecting and analysing Tertiary sediments, researching the development of deposits mapped as Clay-with-flints. She sampled from existing exposures and the British Geological Survey core material, analysing these sediment samples for grain-size, heavy mineral and geochemical varietal data. The results have enabled her to revise the existing stratigraphy and provenance analysis and to complete an important study relating heavy mineral analysis to selected grain-size brackets and sample size.

Dr Helen Walkington, the Unit's pedogeomorphologist, has been engaged throughout the year in the post-excavation analysis of soil samples from deposits mapped as Clay-with-flints at Rookery Farm, Lower Kingswood, Surrey. The results of this research are contributing to a better understanding of the site formation and the associated Palaeolithic archaeology.

Dr Vicky Winton recorded and analysed the Palaeolithic assemblages from Rookery Farm (Walls and Harp collections) and Dickett's Field, Yarnhams Farm, Hampshire (Willis and PADMAC Unit collections). She continued her post-doctoral research in Palaeolithic artefact technology in both sub-Saharan Africa and Australia and is now lecturing at the University of Liverpool.

The Oxford Centre for Maritime Archaeology (Institute of Archaeology)

27 Park End Street, Oxford, OX1 1HU (01865) 202243; <http://www.ocma.ox.ac.uk/index.htm>

Jonathan Cole (Research Coordinator)

The Oxford Centre for Maritime Archaeology continues to have as its focus the publication of the archaeological material from collaborative excavations in the eastern port at Alexandria and the submerged sites of Aboukir Bay (Egypt).

The Centre's first publication of these excavations (first quarter, 2006) will coincide with the beginning of an international exhibition of the artefacts (Berlin, Paris, London). The Centre has also involved the expertise of a number of Oxford academics in the preparation of the exhibition catalogue, due for publication at the same time. Also in the final editing phase are a conference proceedings and two monographs. The Centre is organizing two conferences for the first half of 2006 (Oxford and Berlin) and is involved in a Continuing Education weekend course on maritime archaeology.

The three D.Phil. students (Ms Zoe Cox, Ms Emma Libonati and Ms Yvonne Stolz) visited the Egyptian sites and museums and continue to work on artefacts from the excavation. All three have contributed to the exhibition catalogue. A collaboration has been established with the British Museum for the online publication of the excavation's coin finds.

The excavations of 2005 took place in the Byzantine settlement of the Canopic region and on a collapsed, monumental Roman structure in the port at Alexandria. The Research Coordinator is currently co-authoring the excavation results and finalizing a publication on the maritime excavation techniques and technology employed by the team.

2.2. *Under other departments*

Cast Gallery (Ashmolean Museum)

Beaumont Street, Oxford, OX1 2PH (01865) 278079

Professor R.R.R. Smith (Curator)

Three new casts were acquired. A bust of a Claudian boy (H 64) and a bust of Titus (H 65) were acquired by exchange with the Archaeological Institute of the Georg-August-University in Göttingen, and a cast of a fragmentary bronze head of Caracalla (H 66) was bought from the Metropolitan Museum of Art in New York. In March and June the Cast Gallery hosted two Classics outreach events organized by the Education Office.

Staff

Dr Rune Frederiksen, Sackler Fellow of Classical Art and Archaeology, began work on the Cast Gallery archives in October 2004. His main task is to finish a catalogue of the cast collection. He co-edited and contributed to a monograph on the Royal Cast Collection in Copenhagen and contributed to a monograph on the Cast Collection of the Royal Academy in Copenhagen.

He visited Copenhagen, Paris and Petra for study purposes and lectured for a continuing education programme of Birkbeck University, for the Young Friends of the Ashmolean and conducted a number of tours of the Gallery. He has been appointed for a further year (extending his Fellowship to the end of September 2007), in order to curate the exhibition *Treasures from the Ashmolean* scheduled to open May 2006.

Dr Fiona Greenland, part-time curatorial assistant, led tours of the Gallery and introduced students to Greek and Roman sculpture within the Classics outreach program. She resigned her post in June. Her three-year involvement with the Cast Gallery has been much appreciated.

Dr Milena Melfi joined the Cast Gallery as part-time curatorial assistant to Professor Smith in November, a position which became full-time in June with the departure of Dr Greenland. She assisted Professor Smith in his research and publications, conducted tours of the Gallery and has begun to collaborate with Dr Frederiksen on the catalogue of the Cast Gallery collection.

She was awarded a British Academy grant and spent the summer in Athens working on material from ancient Sparta. She completed and submitted a monograph on *The sanctuary of Asklepios in Lebena* (Crete).

Volunteers

In the summer of 2005, John Cooper worked on the Ashmolean Museum's Object of the Month – the Gallery's casts of the reliefs from the Harpy Tomb at Xanthos – and updated the photographic register of the casts in the collection. Alice Manisty re-wrote the inventory numbers on casts that needed it, and updated the information on the database.

The Beazley Archive

Ashmolean Museum (Cast Gallery) (01865) 278083

Archivist – Professor Donna Kurtz (Wolfson College)

The Beazley Archive, housed in the Ashmolean Museum since 1970, is directed by Professor Donna Kurtz. Its pottery programmes are directed by Dr Thomas Mannack, gem programmes by Dr Claudia Wagner, and its computer programming by Greg Parker. Ian Hiley is web master with Liz Stanford who also assists users on site and works on research projects. Tom Patrick, Louise Calder and Simon Gregory were Beazley Archive Scholars during the year, working on research projects in the Archive while studying for doctorates. Dr Wagner also assists the Archivist in the preparation of the Archive's *Studies in the History of Collections*, *Studies in Classical Archaeology*, and *Studies in Gems and Jewellery*.

www.cvaonline.org (digitization of out-of-print fascicules of *Corpus Vasorum Antiquorum*) carried out under the aegis of the Union Académique Internationale and partly funded by the Getty Grant Program and five national academies, was launched at the beginning of October 2004 (also on www.beazley.ox.ac.uk). Now well established, it is receiving many thousands of hits per day. Two enhancements envisaged for the digitized *Corpus Vasorum Antiquorum* – the oldest research project of the Union Académique Internationale with more than 300 volumes published by more than 100 museums in 26 countries and 100,000 objects in a searchable database with a five-language search engine – could not be developed without additional funding: remote access for the museums to the Beazley server and a VirtualCVA.

The Beazley Archive data store (in excess of five terabytes) is one of the largest electronic academic research facilities in the University. The Research Development Fund provided a grant during the year to enable the Archive to acquire a blade on the new OUCS blade server kit for security and development work. www.beazley.ox.ac.uk receives more than 200,000 hits per day. The site has more than 6000 static web pages and its databases can generate hundreds of thousands more.

The 25-year-old Pottery Database and the digitized CVA have more than 98,000 records and 120,000 water-marked images. A major enhancement of both during the year was the digitization of Henry Immerwahr's unpublished *Corpus of Attic Vase Inscriptions* and the incorporation of its more than 8000 entries. A related enhancement was implementation of Guy Donnay's updating of Jean Marcadé's *Recueil des signatures de sculpteurs grecs* (1953–1957) – with more than 3000 inscriptions of sculptors. To these two groups of 'artists' names' the Archive can add inscriptions naming gem engravers from its own databases of engraved gems that have been compiled over the past six years by Dr Claudia Wagner, working with Sir John Boardman, Drs Martin Henig and Jeffrey Spier, and Gertrud Seidmann. Projects dedicated to specific collections of gem impressions have also been put on the web site. Rudolf Raspe's eighteenth-century *Descriptive Catalogue of a General Collection of Ancient and Modern Gems...by James Tassie Modeller* is available online as an illustrated database of more than 20,000 impressions of gems (15,000 in the Victoria and Albert Museum, 5000 in the National Museum of Scotland) as is P.D. Lippert's *Dactyliothec*, with more than 3000 impressions of engraved gems. To date there are about 30,000 impressions of engraved gems on the Archive's web site. Most of the impressions of engraved antique and post-antique gems in the Beazley

Archive came from Sir John Beazley; to these Sir John Boardman has added his collection. Oxford is unique in having extensive electronic assets, impressions and books on engraved gems and cameos. This material spans antiquity through the nineteenth century and is of great interest to historians of art as well as archaeologists.

BA continues to collect data for *LIMC* (*Lexicon Iconographicum Mythologiae Classicae*) and *ThesCRA* (*Thesaurus Cultus Rituum Antiquarum*). This work is currently being carried out by Dr Margaret Stewardson with Dr Claudia Wagner.

Throughout the year undergraduates, graduates, and volunteers from outside the University have worked in the Beazley Archive and many students and visitors have used its resources.

Department of Antiquities (Ashmolean Museum)

Beaumont Street, Oxford, OX1 2PH (01865) 278020/278023

Dr Susan Walker, Keeper (Roman art and archaeology)

Dr Arthur MacGregor, Senior Assistant Keeper (Roman and Anglo-Saxon Britain, Medieval collections, History of Collecting)

Professor Andrew Sherratt, Senior Assistant Keeper (Old World Prehistory), Curator 50%, University Professor 50%

Professor Michael Vickers, Senior Assistant Keeper (Greek, Roman and Byzantine)

Dr Helen Whitehouse, Senior Assistant Keeper (Egypt)

Ms Alison Roberts, Collections Manager (Prehistory) 50%, AHRB Historic British Collections Project 50% (9/04–9/06)

Dr Susan Sherratt, Honorary Research Fellow (Aegean Bronze Age)

Working on externally-funded archival projects developed on the initiative of Arthur MacGregor and Alison Roberts, as follows:

Alison Roberts, Research Assistant and Project Manager of *Rationalisation and enhancement of historic British archaeology collections at the Ashmolean Museum* (50%, AHRB-funded, 10/04–10/06), with

Christine Edbury, Museum Assistant 100% 10/04–10/06 and Jennifer Foster and Angela Cox, Museum Assistants 50% each 9/04–9/05.

Christine Edbury and Angela Cox previously worked on *Improving Access to Historic Oxfordshire* (HLF-funded 5/03–10/04), Edbury 100% from 7/04–9/04, Cox part-time from 5/04–9/04.

Sarah Glover 10/04 will fulfil a similar role in *Archives and Artefacts: exploring the past through the work of E.T. Leeds* (HLF-funded to end 10/05).

Anna Petre, 100% archivist (8/04 to 6/05).

Susanne Bangert, 100% Ashmolean with travelling, researching *The intellectual network of John Evans*, 05/04–05/05, Leverhulme Trust; extension of funding for a further three years.

This year has seen major changes for the department, with the development of the Ashmolean Plan. Packing began early in 2005, with the upper galleries closing at the end of July. All the objects have been bar-coded, digitally photographed and conservation assessed, using a database developed by Chris Powell of the IT department. Packing within the department was managed by

Julie Clements (Antiquities) and Liz Gardner (Conservation), who each supervised teams of up to 12 temporary staff. The project was overseen for the department by Arthur MacGregor, and for the museum by Nick Mayhew, Deputy Director (Collections), and Mark Norman, Head of Conservation. All objects reserved for teaching and research were set aside from the packing operation: we hope to operate a Students' Room for teaching in our temporary quarters in the Radcliffe Infirmary from Trinity Term 2005.

Alongside the decanting operation has run a major project funded by the AHRC to *rationalise and enhance the documentation and management of the British archaeological collections*. The project has been managed by Alison Roberts and directed by Arthur MacGregor. The core team of Angela Cox, Christine Edbury, and Jennifer Foster has been further assisted by 15 volunteers. In year one of the project (September 2004–October 2005), the collection was systematically reviewed, repacked and entered on a database, the last a significant help to the decanting operation.

Further archive-based projects include the HLF-funded project *Exploring the Past: archives and artefacts through the work of E.T. Leeds*, for which the documents were catalogued by Sarah Glover, and have been accessible on-line via the Ashmolean website since August 2005. All the cataloguing for *enhancing access to historic Oxfordshire* (the work of five archaeologists from the mid-nineteenth to the mid-twentieth centuries, also funded by the HLF) has been completed and the documents transferred to the Public Records Office for digitization. Finally, the Leverhulme-funded project examining *the international intellectual networks of John Evans* has attracted three years' further funding for Susanne Bangert from September 2005.

Susan Walker has worked with Henry Kim, partially seconded from the Heberden Coin Room, on the layout of all the galleries in the new building and the appointment of designers. The Department of Antiquities will have a planned sequence of galleries on the Ground Floor, with a direct link from Rome north to the Cast Gallery and east to the antiquities of India and China. Two large galleries on the upper ground and first floors will display respectively the Late Antique and the Anglo-Saxon and Medieval collections, linking them thematically to the collections of the Eastern and Western Art departments.

The department has this year raised funds for a major new acquisition, a Roman marble bust of a priest from the Eastern Mediterranean. The significance of this sculpture was first recognized by Michael Vickers, and we are therefore particularly pleased to acquire it for the collection. We are especially grateful for help from the MLA Fund, the Friends of the Ashmolean Museum and individual benefactors. Unaffected by the redevelopment, the bust remains on display in the Randolph Gallery.

A great sorrow for the department was the untimely death in December 2004 of our former Keeper Dr Roger Moorey. On 30 May 2005, which would have been Roger's 68th birthday, we held the first Roger Moorey Memorial Lecture. The speaker was Dr Annie Caubet of the Louvre Museum; her subject Ancient Near Eastern Faience, the content of an exhibition held at the Louvre in the summer of 2004 and one of many areas of Near Eastern material culture where our present understanding is owed to Roger Moorey's work.

We shall also lose from October 2005 Professor Andrew Sherratt, who moves to the University of Sheffield to take up the Chair of Old World Prehistory after over 30 years of

service at the Ashmolean. Dr Susan Sherratt, Honorary Research Fellow in the Department, is taking up a career development fellowship, followed by a university lectureship in Aegean archaeology, both at Sheffield University. We warmly congratulate both on their appointments.

Heberden Coin Room (Ashmolean Museum)

Beaumont Street, Oxford, OX1 2PH (01865) 278058

Professor Nicholas Mayhew, Deputy Director, Ashmolean Museum, Curator (Medieval and Modern coins)

Dr Christopher Howgego, Acting Keeper (Roman Coins), Reader in Greek and Roman Numismatics

Dr Luke Treadwell, Assistant Keeper (Islamic)

Mr Henry Kim, Assistant Keeper (Greek and Medals)

Dr Shailendra Bhandare, Assistant Keeper (South Asian and Banknotes)

Dr Volker Heuchert, Collections Manager, AHRC Institutional Fellow (Roman provincial coinage project)

Dr Alessia Bolis, Assistant Collections Manager

Dr Julian Baker, Finds Adviser, Portable Antiquities Scheme

The Coin Room is one of the leading international centres of research in numismatics and monetary history. It houses a systematic collection of about a third of a million coins, medals, and tokens. The staff are involved in teaching at both undergraduate and graduate levels.

The year was a spectacular one for acquisitions. An undoubted highlight was the purchase of a truly remarkable coin of a rebel Roman emperor no-one was sure existed, along with the hoard in which it was found. The new coin was found fused in a mass of coins in a largely intact Roman jar less than ten miles from Oxford, and provides definitive proof that a certain Domitianus claimed to be emperor in the early 270s AD. His bid for power is unlikely to have lasted more than a few days, but he caught the popular imagination when news of the find was released in February 2004. The story covered half the front page of *The Times* on 25 February. The new hoard consists of 4957 Roman coins, struck in very base silver, and which range in date from AD 251 to 279. The hoard was valued at £40,000 by the Treasure Valuation Committee and the acquisition was made possible by generous grants from the National Art Collections Fund, the V&A/MLA Purchase Grant Fund, the Headley Trust, the Carl & Eileen Subak Family Foundation, and the Friends of the Ashmolean.

Just as remarkable was the presentation by Dr Bent Juel-Jensen, a long-time friend of the Coin Room, of his important collection of Aksumite coinage, which has been on loan in the Museum for a number of years. Dr Juel-Jensen, a Fellow of St Cross and for many years the University's Medical Officer, is the world's leading expert on this series and it has long been his intention to deposit his collection here. An important addition to the University's collection of Indian coins came in the form of a generous anonymous donation of ten copper coins of Kushan King Kanishka depicting the Buddha.

The Carl and Eileen Subak Family Foundation and the Robinson Charitable Trust continued their generous support for Coin Room acquisitions and the Visiting Scholars' programmes. The continued support by Wolfson College for the latter is very much appreciated.

The year was marked by three exciting exhibitions. *Longing for Alexander – The changing image of Alexander the Great on Greek and Roman Coins* was timed to coincide with the opening of Oliver Stone's movie about Alexander the Great. The opening party of *The Lost Emperor: Roman History from Oxfordshire Mud* was attended by both discoverers of the new emperor Domitianus, metal detectorist Brian Malin and British Museum curator Richard Abdy. The exhibition attracted notice on both television and radio. Newspaper coverage included a double page feature in the Daily Express, the whole of page three of The Independent. Over the summer an exhibition on the British Art Medal Society Student Medal Project 2005 gave a showcase to contemporary creativity. This attractive exhibition was sponsored by the Robinson Charitable Trust.

Dr Christopher Howgego was appointed as Acting Keeper of the Department from 1 January for the duration of Professor Mayhew's appointment as Deputy Director. The Department welcomes the arrival of Dr Alessia Bolis as Assistant Collections Manager, and wishes well Dr Liv Yarrow who resigned from her post on the Roman Provincial Coinage project.

The Department continues to be heavily engaged in planning for the new building, and in preparations for decanting the department, but research proceeds nonetheless. Dr Christopher Howgego and Dr Volker Heuchert, alongside Dr Andrew Burnett of the British Museum, edited a book on *Coinage and Identity in the Roman Provinces*, which was published by Oxford University Press in the course of the year.

Environmental Archaeology Unit (University Museum of Natural History)

Parks Road, Oxford, OX1 3PW (01865) 272983; Fax (01865) 272970

Professor M.A. Robinson, Director

The Unit has continued to undertake a variety of work for English Heritage and commercial archaeological units and on research projects. A project has been completed for English Heritage, under the Aggregates Levy Programme, on charred food plant remains from submerged Mesolithic peat deposits off the coast of the Isle of Wight. Monument management support for English Heritage has continued with the analysis of snail sequences from more Bronze Age barrows in Wiltshire. Work also continues to bring some of the large English Heritage excavations in the upper Thames Valley to publication. Commercial work has included the analysis of insect remains from a waterlogged Bronze Age barrow at Stansted Airport.

Fieldwork continues at Pompeii with the Svenska Institutet i Rom on the peristyle garden of the Casa degli Epigrammi Greci. One of the more important discoveries this season was evidence that the garden had been bedded out on a regular grid with herbaceous perennial plants. More of the settlement buried beneath ash from a prehistoric eruption which was discovered last year was exposed by excavating below the bottom of a Roman quarry pit. Mrs J. Robinson has almost completed identification of shells on the shell fountains of Pompeii.

Six students gained additional experience in environmental archaeology as vacation workers in the Unit. As part of the Pompeii project, a student from the Università Federico Secondo, Naples, worked in the Unit.

Materials Science-based Archaeology (Department of Materials)

Oxford University Begbroke Science Park, Sandy Lane, Yarnton, Oxford, OX5 1PF
(01865) 283721/283722; Fax (01865) 848790
e-mail: peter.northover@materials.ox.ac.uk

Dr J.P. Northover (University Research Lecturer)

C.J. Salter (Research Fellow)

Dr B.J. Gilmour (Academic Visitor)

The group is based at the Department of Materials laboratories at the Oxford University Begbroke Science Park. It is closely linked with Oxford Materials Characterisation Services (OMCS), where Dr Northover manages the specimen preparation and optical microscopy facilities and Mr Salter is responsible for electron probe microanalysis and analytical and quantitative applications of scanning electron microscopy. The link with OMCS gives access to an increasingly wide range of characterization tools such as X-ray diffraction, X-ray photoelectron spectroscopy and optical surface profiling.

The group's research is concerned with all aspects of the metallurgical process, from smelting to metal finishing, and from the first use of alloys in the fifth/fourth millennia BC to the Industrial Revolution and beyond. The themes of the research are both archaeological and metallurgical. In archaeology the research is driven by the questions raised by the post-excavation and museum-based projects we service, and is used to explore the place of metals in ancient economies and societies, and for developing new methodologies to increase the range of archaeological problems that can be addressed. Issues relating to the deposition and survival of metals and metallurgy in the archaeological record are a growing concern, as is research aimed at reconstructing the original appearance of objects in terms of colour and surface finish. Research in analytical techniques continues to be based on elemental mapping in the electron microprobe and other instruments, and on the quantification of microstructural data so that the information can be treated statistically in the same way as compositional data.

The projects undertaken by the group are very varied. D.Phil. projects relate to the metalwork of the Bronze Age/Iron Age transition in Britain, and to the place of silver in late Iron Age East Anglia. Post-excavation studies are steadily increasing our understanding of important aspects of both Iron Age and Saxon ironworking in Britain with very important results from Saltwood on the Channel Tunnel Rail Link. During the year work has been started on contributing to a number of important publication projects including the Langdon Bay and Moor Sands Bronze Age wreck sites and the Beckford Iron Age and Romano-British settlement. Chris Salter spent some time in the Ukraine looking at slag on a classical Greek city site in the Crimea. Peter Northover continues to work on the Swiss Bronze Age.

Department for Continuing Education

Wellington Square, Oxford, OX1 2JA (01865) 270360; Fax (01865) 270309

Dr Gary Lock (Reader in Archaeology, and Director of Studies)

Dr David Griffiths (Staff Lecturer in Archaeology)

The Department offers a wide range of courses in archaeology for adult part-time students. Many of these are accredited within the national CATS scheme (Credit Accumulation Transfer Scheme) including at undergraduate level the Level 1 weekly classes, the Level 1 Certificate in Archaeology, the Level 2 Diploma in British Archaeology and the Level 3 Advanced Diploma in Archaeological Practice. The Department also runs the M.Sc. in Professional Archaeology and the Professional Archaeology short course programme, vocational courses aimed at improving students' employment prospects and providing continuing professional development for working archaeologists (in partnership with English Heritage). Also at postgraduate level is the M.Sc. in Applied Landscape Archaeology, a two-year part-time course, and the part-time D.Phil. Day Schools and Weekend Conferences also take place throughout the year, and a training excavation in summer.

2.3. *General activities*

Seminars, Lectures and Conferences

Sponsored by the School or by members of staff, in addition to the normal lecture programme.

Indian Numismatics, Epigraphy and Archaeology: Recent Advances in Reconstructing the Past

Dr Shailendra Bhandare organized the 16th Oxford Numismatic Symposium on 14–16 September 2004. Sixteen speakers and several observers attended from the UK, USA, Canada, Austria, France, India and Pakistan

Who owns objects? The ethics and legality of collecting

Dr Luke Treadwell, together with Professor Eleanor Robson and Professor Chris Gosden, organized a well-attended series of eight lectures at St Cross College. This was concluded with a workshop at All Souls College

Hillfort Study Group (G. Lock)

Day conference: annual meeting

Ancient Architecture Discussion Group (Convenor: Styliani Skaltsa)

James Andrews

The development of Roman domestic space: houses and upper floors at Herculaneum

Dr Jim Coulton

The choice of orders in the Hellenistic period

Dr Janet DeLaine

Analytical approaches to Roman domestic space: the case of the ‘medianum’ apartment

Dr Rune Frederiksen

City walls and urbanisation in the archaic Greek world

Dr Elif Keser Kayaalp

The layout and buildings of the cities of northern Mesopotamia (*Joint session with Byzantine Art and Archaeology Seminar*)

Andreas Kropp
A Nabataean royal palace? The 'Great Temple' of Petra in the light of
Herodian architecture

Stella Skaltsa
Banqueting in the gymnasium

Ancient India Discussion Group

Professor J.L Bhan
Kashmiri art: an historical survey

Dr R. Korisette (Karnatak University, India)
Quaternary geomorphic environment and Palaeolithic successor in the Cuddapah
Basin, south India

Dr S.B. Mujumdar (University of Calcutta)
Reconstructing regional histories: coins, inscriptions and art

Barbarian Archaeology Group (Convenor: Vicky Jefferson)

Nick Gilmour and Ben Roberts (Cambridge University)
Personal ornamentation in prehistory: Keeping up appearance in mainland
Britain

Phillip Kiernan (Ruprecht-Karls University, Heidelberg)
Germano-Roman model objects from the Late Antique: The so-called Mithras
symbols

Satu Perula (University of York)
Thornborough Henge Monument Complex – Neolithic ceremonial landscape
in North Yorkshire

Byzantine Archaeology and Art Seminar (Organizer: Dr M. Mango)

Dr Julian Baker
Dating archaeological contexts with coins, 12th–14th centuries: what can and
cannot be done

Dr Jonathan Bardill
The church of St. Polyuktos, Constantinople: archaeology and interpretation

Hana'a Bou Nasr
Liturgy versus architecture in the Constantinopolitan church

Simon Davies
The varied iconography of the paintings in the Via Latina catacombs, Rome

Dr Elif Keser Kayaalp
The layout and buildings of the cities of northern Mesopotamia (*Joint session with Ancient Architecture Discussion Group*)

Dr Judith McKenzie
The late antique (5th–7th-century) lecture rooms in Alexandria

Dr Marlia Mango, Anthusa Papagiannaki, Priscilla Lange
Late Roman and Byzantine ivory and bone carving

Dr Marlia Mango
The bath in late antiquity

Elizabeth Montgomerie
Influences on the development of Byzantine cloisonné enamel

Elizabeth Montgomerie
Ecclesiastical representations in Byzantine art

Dr Tassos Papacostas
Aspects of 11th-century Byzantine architecture

Theo Papaioannou
The relationship between Late Roman and medieval Byzantine amphorae in western Asia Minor

Lukas Schachner
Monastic productivity reconsidered: a report on research in progress

Byzantine and Islamic Art and Archaeology Seminar (Organizers: Dr M. Mango and Professor J. Allan): *Metalwork*

Dr Ruba Kana'an
Capital, production and patronage of medieval Islamic metalware: the legal perspective

Elias Khamis
The Tiberias hoard of metalware

Dr Marlia Mango
Late Roman and Byzantine household objects in copper alloy

Dr Oya Pancaroglu
Inlaid candlesticks from medieval Anatolia: the iconographic repertoire

Natalija Ristovska
The parallel worlds of Middle Byzantine and Early Islamic jewellery

Chris Salter
Iron and Steel: forgotten materials?

Yvonne Stolz
The contexts of a late antique gold and jewelled necklace from Assuit in Upper
Egypt

Classical Archaeology Work in Progress Seminar (Convenors: Olympia Bobou and Andreas
Kropp)

Arion (1986): A Japanese anime inspired by Greek mythology

Bread and Circuses: Monty Python and archaeology

Jonathan Cole
Excavation underwater: The Maritime Centre's project in Egypt

Cathie Draycott
New find in No-Man's land: Sculptures from Kerkenes Dagh, an Iron
Age Anatolian city in old Hittite country

Mike Edmunds
Water history

Thomas Kiely
Becoming Greek in Cypriot Salamis. Archaeology, myth and politics

Stephanie Langin-Hooper
The Hellenistic terracotta figurines of Babylonia: Complexity and
hybridity in a multi-cultural society

Tonia Livieratou
Central Greece (Phokis-Lokris) in the transition from the Late Bronze Age to
the Early Iron Age

Lizzie Macaulay
How does your garden grow/The role of *ollae perforatae* in ancient Roman
gardens and planting

Kostas Methenitis
Monumentalising Archaic Sicily

Tom Patrick
How firm the foundation? Pretext and context in the study of Protocorinthian

Rubina Raja
Expression of regional identity? Public spaces in Aphrodisias and Ephesos

David Saunders

Mourning Glory, Mourning Glory: What's the Story?

Hannes Schroeder

Ancient glass from Colchis – a discussion of the 5th century BC glass objects from Pichvnari and Tsikhisdziri (with particular emphasis on the question of their likely provenance)

Saskia Stevens

Crossing boundaries in Pompeii: The transformation of the city walls
and the redefinition of ritual and civic space

Lucy Wadeson

A comparison of rock-cut shelters in Petra, Jerusalem and Alexandria

Mantha Zarmakoupi

The villa of Livia at Prima Porta

Graduate Skills Seminar (Convenor: Dr G. Lock)

C. Gosden

Fieldwork and excavation

C. Gosden

Museum collections

W. Kilbride (ADS)

The Archaeology Data Service

G. Lock

Computing for research – database and statistics

G. Lock and J. Pouncett

GIS and archaeology

Dr Roger Thomas (English Heritage)

Archaeology in the real world

H. Winton (English Heritage)

Air photography interpretations

Greek Archaeology Group (Convenor: I. Galannakis)

Professor Sir John Boardman

What does 'Archaic' mean?

G. Cadogan (University of Reading)

Male and female in Minoan Crete: a clay figurine in Myrtos-Pyrgos

Professor Roald Docter (University of Ghent)

New insights in the topography and urban structure of Archaic Carthage (*Joint session with Roman Discussion Forum*)

Dr Ada Erlich

Between Sidon and Alexandria: the painted tomb from Maresha revisited

Dr Rune Frederiksen

Greek theatres and Greek poleis

Dr Merkourios Georgiadis

Feasting in the Mycenaean world: its role in the burial tradition of Rhodes

Dr Irene Lemos

The archaeology of Basileis: elite, gender and society at Lefkandi

Dr Thomas Mannack

Comedy on South Italian vases

M. Melfi (Beazley Archive)

Lebena: harbour and sanctuary in southern Crete

M. Stamatopoulou (Lincoln College)

Thessalians and sports

Dr Susan Walker

The Corinth Puteal: archaism in the art of Actium

Dr Ken Wardle (Birmingham University)

Dendrochronology, C¹⁴ and the end of the Mycenaean period

Inter-Disciplinary Environment Archaeology Seminar

Dr Rebecca Nicholson

Environmental archaeology at West Voe: the recent discovery of Shetland's first Mesolithic site

Landscape Archaeology Seminar (Convenor: Dr H. Lewis)

Adrian Chadwick

The Gray Hill Landscape Research Project, Llanfair Discoed, Monmouthshire.
Investigations of a multiperiod upland landscape in South Wales

Dorian Fuller

Comparing the Neolithic landscapes of South and North India

Dr Rodney Harrison

‘Where the cattle went, they went’: towards a phenomenological archaeology of cattle mustering in the Kunderang ravines, New South Wales

Bob Johnston

A social archaeology of garden plots in the Bronze Age of northern and western Britain

Medieval Archaeology Seminar

T. Dickinson (University of York)

Symbols of protection: The meaning of Early Anglo-Saxon shields with animal ornamentation

Judie English

Function and ritual in Middle Saxon settlements

Dr Mark Gardiner

Timber buildings from post-holes: The ‘pre-history’ of English houses AD 900–1200

Dr David Griffiths

‘Maen Achwyfan’, Flintshire, and the context of Irish Sea Viking sculpture

Dr Richard Jones

Medieval villages in an English landscape: Beginnings and ends

S. Rippon (University of Exeter)

Medieval settlements and landscape on the North Somerset Levels

S. Roffey (King Alfred’s College, Winchester)

Medieval parish church chantries and chapels: an anthropological approach

L. Webster (The British Museum)

The Anglo Saxon princely burial at Prittlewell, Essex

Roman Discussion Forum (Convenors: Dr A. Marzano and Professor A. Wilson)

Dr E. Biddulph (Oxford Archaeology)

Living as Britons, buried as Romans: roundhouses, farms and graves along Stane Street

Paul Booth (Oxford Archaeology)

Synthesising the Thames: new research from the Thames Through Time Project

- Professor Roald Docter (University of Ghent)
New insights in the topography and urban structure of Archaic Carthage (*Joint session with Greek Archaeology Group*)
- Dr A. Erlich (Wolfson College)
Plastic vases from Maresha, Israel: when East met West
- Miko Flohr (Dutch Institute, Rome)
Urban workshops and our interpretation of city life in Pompeii and Ostia
- Profesor C. Gosden
On form: the aesthetics of becoming Roman
- Dr F. Greenland
Killing and clemency in Roman art
- Andrew Lane (University of Reading)
Marble in the temples of Lepcis Magna: choice, use and economics
- Dr Simon Malmberg (Uppsala University)
Dazzling dining: banquets as an expression of imperial legitimation
- Dr Annalisa Marzano (Institute of Archaeology, Oxford University)
Villas, *ergastula* and modern scholarship: reassessing the archaeological evidence
- Lisa Mignone (Columbia University)
Gaius Gracchus and Diana: Another Piso's conspiracy
- Professor Fergus Millar (Oriental Institute, Oxford University)
Narrative and identity in late Roman mosaics; pagan, Jewish and Christian
- Dr P. Newson (Durham University)
Rural landscapes in the East
- Dr M. Nicholls (The Queen's College)
The libraries of Trajan's Forum
- Rubina Raja (Lincoln College)
Shaping the urban image – the regional identity of Gerasa, 50 BC–AD 250
- Dr Damian Robinson (Institute of Archaeology, Oxford University)
The development of an urban neighbourhood
- Peter Rose (University of Reading)
ReMapping Ostia – A digital approach for recording and modelling an urban landscape

Saskia Stevens (University of Reading)
Luxurious living in a Roman apartment: the water supply of the Garden Houses at Ostia

Matt Symonds (Christ Church)
Double the defences? Some fortlet variations

William Wootton (The Queen's College)
Cowboy contractors? The case of a recently-excavated Romano-British mosaic from Badminton, Gloucestershire

Mantha Zarmakoupi (St John's College)
Crypto(porticus) in Roman luxury villas: architecture and cultural practices

Other lectures

Dr Boyan Dumanov (University of Sofia)
Ethno-cultural transformations in the Early Medieval Balkans

Professor R. Hahlfelder (University of Colorado)
Building a Roman Pila: experimental archaeology and Roman harbour studies

Professor M. Iacovou (University of Cyprus)
Late Cypriote settlement estimates and the Palaepaphos survey case study

Professor L. Koryakova (Ural State University)
On the northern periphery of the nomadic world: archaeological research in Trans-Urals (Russia)

Publishing Activities

Journals *Anglo-Saxon Studies in Archaeology and History* (Institute)
Archaeometry (Research Laboratory for Blackwells)
Archaeological Computing Newsletter (G. Lock, Institute)
Oxford Journal of Archaeology (Institute for Blackwells)
Journal of the History of Collections (Ashmolean Museum)

Monographs *Oxford University School of Archaeology Monographs*
62 Gary Lock, Chris Gosden and Patrick Daly, *Segsbury Camp: excavations in 1996 and 1997 at an Iron Age hillfort on the Oxfordshire Ridgeway*

3. REPORTS FROM PERMANENT ACADEMIC STAFF

Prehistory

Chris Gosden, Curator-Lecturer in Archaeology, School of Archaeology and the Pitt Rivers Museum

Chris Gosden is Chair of the School of Archaeology. He is the British editor for the *Journal of Social Archaeology* (Sage), and continues to sit on the editorial boards of *World Archaeology* and *Ethnographisch-Archäologische Zeitschrift*. During July he excavated (with Gary Lock) at the Romano-British site of Marcham, south Oxfordshire. He gave a paper at a conference on the History of Mind in Aarhus, Denmark. He was on the panel to judge the Leverhulme Prize in Anthropology. He ran a seminar in St Cross and All Soul's Colleges called 'Who Owns Objects?' (with Luke Treadwell and Eleanor Robson). He gave a series of three lectures at the Department of Anthropology, University of Minneapolis. He gave a lecture to the Royal Geographical Society, Hong Kong. He gave the keynote address at a conference on Archaeology and Colonialism, Okayama, Japan. He was chair of a review committee on the Diploma of Professional Archaeology, Continuing Education, University of Oxford. Together with Michael O'Hanlon, Frances Larson and Alison Petch he organized and spoke at the 'Relational Museum Conference' here at the Pitt Rivers. He gave seminars on the Relational Museum project at Senate House, UCL, University of Manchester and Cambridge. He gave a paper on the links between archaeology and anthropology at a conference in Cambridge. He gave a paper on Celtic Art at a one-day meeting on Iron Age Archaeology, University of Cambridge. He was a member of the Steering Group for the AHRC initiative on 'Interactive Mind'. With Michael O'Hanlon he was a member of the Review Committee for the Cambridge Museum of Archaeology and Anthropology. He was a member of the International Advisory Committee for the Humanities Institute of Ireland. He was elected a Fellow of the British Academy.

Chris Gosden gave lectures and tutorials in 'Material Culture, Art, and Society', 'The Nature of Archaeological Enquiry', 'Landscape Archaeology' and 'Material Culture in Melanesia' and supervised some 14 graduate students. He was an examiner for the Final Honours School in Archaeology and Anthropology. He acted as an external examiner in the Department of Art History and Archaeology, University of Manchester. He examined five Ph.D.'s.

Current research interests are:

The nature of human intelligence, the human use of material culture, the Late Iron Age and early Roman periods, Celtic Art, the history of museum collections

Specific research projects include:

Excavations at Marcham (with Gary Lock)
The Relational Museum Project
Bodily Intelligence

Nick Barton, University Lecturer in Palaeolithic Archaeology

Lectures and tutorials were given in 'perspectives in human evolution', 'landscape, evolution and society' and 'the archaeology of modern human origins'. He was Chair of Examiners for Final

Honours Archaeology and Anthropology. He examined a doctoral thesis and continued to supervise two doctoral students and the work of one post doctoral associate. Nick Barton remained on the board of three International Committees of the *Union Internationale des Sciences Préhistoriques et Protohistoriques*. In October the University conferred upon him an *ad hominem* professorship in recognition of academic distinction. He made two successful funding applications to the British Academy and the University Research Development Fund. He gave talks in seminar series in Oxford (RLAHA and Human Sciences) and University College London and at the British Council in Rabat for the British Ambassador. In October he presented a paper to the French Prehistoric Society's conference in Amiens, in November he chaired a session and gave a paper at a UISPP conference at Nerja Cave, Spain. He also contributed papers to a weekend conference at Rewley House, took part in a NERC workshop in Newcastle and, in June, was a special invitee to a table-ronde at La Sapienza, Rome University.

Research activity focused on developing his Western Mediterranean project with excavations and survey work in Morocco in March–April and September. Another major project on the Biogeography of human colonisation and extinction in the Late Pleistocene of southern Iberia was successfully completed and a number of papers are in the course of preparation. The rest of the time was spent in preparing a major contribution to the Mesolithic Severn Levels Wetlands monograph, linked to his continuing research into the Late Upper Palaeolithic and Mesolithic settlement of south-west Britain.

Current research interests are:

Origins of modern human behaviour, Neanderthal extinctions, Palaeolithic landscapes of southern Iberia and northern Morocco, Late-glacial re-settlement of the British Isles and north-west Europe, Wetland Mesolithic archaeology

Specific research projects include:

Environmental factors in human evolution and dispersals in the Upper Pleistocene of the western Mediterranean

Biogeography of human colonisation and extinction in the Late Pleistocene of southern Iberia

Late Upper Palaeolithic and Mesolithic settlement of Southwest Britain

Small mammals and Late-glacial environments in Northwest Europe

Julie Scott-Jackson, Senior Research Fellow (Pitt Rivers Museum) and Director of the PADMAC Unit (Unit for the study of Palaeolithic artefacts and associated deposits mapped as Clay-with-flints)

During the year, she obtained grants for specific PADMAC Unit projects, in addition to the continued long-term funding for the Unit.

She supervised the work of the PADMAC Unit's D.Phil. student, directed the research of the Unit's Research Fellows, advised M.Sc. Applied Landscape Archaeology students and a Ph.D. student (University of Reading), and expanded the work of the Unit with links to relevant departments in the University of Oxford, at other universities and with research establishments.

Alongside post-excavation analyses, she began work in the latter part of the year on a paper that addresses the geo-archaeology of the Rookery Farm Palaeolithic site. Also, a joint

paper on the use of 'Alternative Location Modelling' for the Dickett's Field Palaeolithic site and the continued updating of the (unpublished) 'Gazetteer of Lower and Middle Palaeolithic artefacts found in relation to deposits mapped as Clay-with-flints on Chalk downlands of southern England'.

Throughout the year she directed and supervised the Unit's extensive programme of fieldwork-based archaeological, sedimentological, geological and geophysical projects.

In February she gave an invited seminar entitled 'Hidden secrets: the enigma of Palaeolithic surface-finds' to M.Sc. Applied Landscape Archaeology students, Department for Continuing Education.

Professional activities outside the University included Palaeolithic geo-archaeological adviser and Committee member of the Avebury Archaeological and Historical Research Group for the Avebury World Heritage site (English Heritage). Advising local archaeological groups on the geo-archaeology of the deposits mapped as Clay-with-flints and the associated Palaeolithic artefacts. She also gave a joint presentation (with Dr W. Scott-Jackson) on the development of a 'Web-based Palaeolithic GIS database' to Wessex Archaeology, Salisbury.

Current research interests are:

Geo-archaeology – processes connected with the action of carbonation/solution which have affected the Chalk Downlands and other Karstic landforms over geological time, and, in particular, the genesis, variability and distribution of the associated (English) deposits mapped as Clay-with-flints and other similar high-level deposits found in Continental Europe and the Near/Middle East as they relate to the retention of Palaeolithic *in situ* sites on these high-levels

Specific research projects include:

Development of specific models and methodologies including geophysical applications for the investigation and excavation of Palaeolithic high-level sites on deposits mapped as Clay-with-flints and similar deposits/contexts

Analysis of the geo-archaeology of Rookery Farm, Lower Kingswood, Surrey – the general topography and the possible effects of the adjacent valley landfill on the integrity of the Palaeolithic site. Also, the PADMAC Unit's (long-term ongoing project) at Dickett's Field, Yarnhams Farm, Hampshire and a new Palaeolithic site at Dummer Clump, Hampshire

Peter Mitchell, University Lecturer in African Prehistory

Returning from his sabbatical of last year, he resumed teaching at both graduate and undergraduate levels, co-ordinating the Honour Moderations Paper I course *Introduction to World Archaeology* and serving as an Examiner for the Masters degrees in European, Landscape and World Archaeology and as an Assessor for the Final Honour Schools in Archaeology & Anthropology and Human Sciences. Administratively, he served as Director of Graduate Studies for the School of Archaeology, Chairman of the Archaeology & Anthropology Tutors' Forum and Organizing Secretary for undergraduate admissions in Archaeology & Anthropology, in which capacity he organized the subject's annual Open Day in May and its presence at University-wide Open Days in June and September. Beyond Oxford he spoke in a

seminar series on the African past at the Institute of Archaeology, London, took up an appointment as External Examiner for the Department of Archaeology of the University of Liverpool, examined a thesis for the University of Helsinki, continued to serve on the Governing Council of the British Institute in Eastern Africa and as President of the Society of Africanist Archaeologists (SAfA), and participated in the work of the editorial boards of seven major journals. He was also elected a Fellow of the Society of Antiquaries of London. Research time was primarily devoted to the continued writing-up of earlier fieldwork at Likoang, Lesotho, and to a book-length study of Africa's Stone Age archaeology, *The First Africans*, while he was also invited to edit and contribute to a six-volume series on *Peoples and Cultures of Africa*.

Current research interests include:

The relations between cultural and environmental change among hunter-gatherer societies

The history and archaeology of southern African hunter-gatherers

The archaeology of Africa's relations with the rest of the world

The history of southern African archaeological collections in Britain

Specific projects include:

Hunter-gatherer landscapes of the Lesotho highlands

The southern African archaeological collections of the Pitt Rivers Museum

The Bushman collections of the Pitt Rivers Museum

European

Lisa Bendall, Sinclair & Rachel Hood Lecturer in Aegean Prehistory

Lisa Bendall joined the School of Archaeology in October 2004 as Rachel and Sinclair Hood Lecturer in Aegean Prehistory. She lectured in the undergraduate course in Archaeology & Anthropology (Late Bronze Age & Early Iron Age in the Aegean; Introduction to World Archaeology; Urbanisation & Change in Complex Societies; Aegean Bronze Age Scripts) and for the Faculty of Classics (Homeric Archaeology; Aegean Bronze Age Scripts) and the Faculty of Continuing Education (Great Excavations; Deciphering Ancient Languages). She supervised three M.Phil. students and conducted a graduate seminar on Aegean Bronze Age scripts which attracted participants from other UK universities as well as Oxford. Publications included an article on Mycenaean banqueting (2004, 'Fit for a King?' in Halstead and Barrett eds.) and reviews in *JHS* and *AJA*. She continued work on a monograph to be published as a *Minos* supplement: *Economics of Religion in the Mycenaean World*. She acted as academic liaison for the Institute of Archaeology Reading Room and helped ensure continuity while a new librarian was appointed. In summer 2005 she participated in the excavations at Marcham-Frilford as trench supervisor for parts of the undergraduate and graduate training courses. She gave a paper at the UCL Archaeological Alumni conference and tours of the Arthur Evans Room at the Ashmolean Museum.

In her role as Tutorial Fellow at Keble College, Dr Bendall served as Director of Studies for 22 undergraduates in Archaeology & Anthropology and Classical Archaeology & Ancient History, organized college admissions for those degrees, and acted as college adviser for 15 graduate students.

Current research interests include:

Mycenaean religion, feasting and sacrifice; Linear B and other Aegean Bronze Age scripts, especially the integration of textual and archaeological data; perfumery and offerings

Specific research projects include:

Book on Mycenaean economics of religion
The Department of Perfumery and Offerings at Knossos
Ventris–Chadwick Archives Project

Barry Cunliffe, Professor of European Archaeology

During the year he has served as deputy to the Head of the Life and Environmental Sciences Board. He has taught for undergraduate and masters courses and has supervised ten doctoral students.

His research activity has continued to focus principally around three field projects, the Le Yaudet Project, the Danebury Environs Roman Project and the Atlantic Seaways Project. This has involved the excavation of a Roman villa at Dunkirt Barn, Abbots Ann in Hampshire, fieldwork and excavation on a late prehistoric settlement on the island of Sark and fieldwork in the vicinity of Le Yaudet in Brittany. Much effort has been expended on preparing parts of the programmes for publication resulting in the completion of Le Yaudet Volume 2 (in press) and Volume 3 (being translated prior to publication). Good progress is also being made on the Danebury Environs Roman publications.

Lectures and papers have been given at a number of conferences and seminars including the David Skomp Lecture at the University of Indiana. Visits have been made to sites and museums in France, Spain, Portugal, Morocco, Madeira and the Azores.

He has continued to serve on a number of trusts and editorial boards, and is a member of the English Heritage Advisory Committee and a Trustee of the British Museum. He was awarded the 2004 Grahame Clark Medal by the British Academy.

Current research interests are:

Social and economic change in the first millennium BC in Europe. The present emphasis is on Atlantic trading systems, cultural interactions and state formation in southern Iberia and social hierarchies in central southern Britain

Specific research projects include:

The Danebury Environs Roman Project
The Najerilla Project
The Le Yaudet Project, Brittany
The Survey of Sark
Atlantic trade

Helena Hamerow, University Lecturer in Early Medieval Archaeology

In the past year Helena Hamerow has lectured, taught and examined for degrees in Archaeology and Anthropology, History and English, and supervised Master's and Doctoral students in Archaeology. In April 2005 she was an External Examiner for a doctoral thesis at the University of Siena, where she also presented a number of seminars. Work has begun on a book on the archaeology of Anglo-Saxon settlements for OUP. She continued to serve as a member of the editorial boards of *The Oxford Journal of Archaeology* and *Early Medieval Europe* and to act – together with John Blair – as General Editor of the OUP series, 'Medieval History and Archaeology'. She continued to serve on the Oxford Archaeology's Academic Committee and Council.

Current research interests are:

Early medieval settlements in north-west Europe, AD 400–900
'Special Deposits' in early medieval Europe
Anglo-Saxon Oxfordshire

Specific research projects include:

Early medieval settlement at Sutton Courtenay
The Wallingford 'Burh to Borough' Project
On-line database of Anglo-Saxon cemeteries – the *Novum Inventorium Sepulchrale*
Radiocarbon dating of Anglo-Saxon ironwork (with Brian Gilmour)

Arthur MacGregor, Senior Assistant Keeper in the Department of Antiquities, Ashmolean Museum

Was elected a Vice-President of the Royal Archaeological Institute. He published a catalogue of Roman engraved gems in the Ashmolean (with M. Henig) and completed a book on the history of collecting, which was submitted to publishers. He lectured to the English faculty at the Université de Poitiers, to a conference on collecting classical art in the nineteenth century at the Université Libre de Bruxelles and to a study day on cabinets of curiosities at the Walters Art Museum, Baltimore. He acted as a supervisor for the Department of the History of Art and as an examiner for the Department of Continuing Education. He continued as a member of the Treasure Valuation Committee, as co-editor of the *Journal of the History of Collections* and as co-general editor of *The Paper Museum of Cassiano dal Pozzo*.

Classical and Byzantine

Janet DeLaine, University Lecturer in Roman Archaeology

Dr DeLaine took up her post in January 2005. She gave undergraduate lectures and tutorials in Roman architecture, lectures for the CAAH Roman core paper, and general lectures on the monuments for Rome from Nero to Hadrian, and on Roman Ostia, in addition to tutoring Masters students in Classical Archaeology and in Ancient History. She was an Examiner for the M.Stud. in Classical Archaeology, and assessor for several undergraduate papers. She continued to supervise four M.A. and three Ph.D. students for the University of Reading, and acted as external supervisor for two Ph.D. students one each at the Universities of Leiden and Siena.

She gave invited papers at the Archaeological Institute of America conference in Boston (on the territory of Ostia), the College Art Association conference in Atlanta (on patterns of Ostian housing), and the Sackler Colloquium on Early Cities at the National Academy of Sciences in Washington (on urban development in the Roman Mediterranean), as well as organizing and chairing a session at the Roman Archaeology Conference in Birmingham (on new approaches to the Roman built environment). She was a visiting speaker at the Department of Art History at Austin (Texas) and the Department of Archaeology at Siena. She also gave a seminar paper at Oxford, on the economics of Roman construction. In October she joined the editorial board of the *American Journal of Archaeology*, and continued to act as a member of the Scientific Committee for the Second International Congress on Construction History (to be held April 2006). She acted as consultant to and appeared in the BBC2 programme *What the past did for us: The Romans*, broadcast 25/11/04.

Current research interests include:

Roman architecture; urbanism in the Roman Mediterranean; the Roman construction industry

Specific projects include:

The urban development of Roman Ostia

Donna Kurtz, Beazley Archivist and Professor of Classical Art

During the year the Archivist tutored for the Faculty of Classics and the Department of the History of Art, examined for both, and acted as Chairman of Examiners for CAAH Mods. A member of the Management Committee of the Oxford Internet Institute (OII), she hosted a meeting in OII in March for members of CLAROS, Classical Art on line Research System.

Irene S. Lemos, Reader in Classical Archaeology

Dr Lemos' first year at Oxford was spent teaching undergraduate courses and supervising graduates at both Oxford and Edinburgh (where three of her students were awarded their Ph.D.). At Oxford she was convenor in Classical Archaeology for Greats and member of the Committee for the Election of Junior Research Fellows and the Leventis Scholar at Merton. She continued to be a member of the Council, of the Research and Lefkandi Sub-Committees at the British School at Athens, and Academic Advisor of the Greek Archaeological Committee UK.

In October 2004 she gave a paper on recent discoveries at Lefkandi at the conference held at Chalkis on the *Archaeology of Euboea from the Prehistoric to the Roman Periods*. In February 2005 she participated with a paper on elite female burials in the conference *Keimelion* at Salzburg. Both papers are in preparation for publication. In March 2005 she gave a guided tour to Directors of British Schools at Lefkandi and Eretria Museum. She also gave public lectures at Oxford (June 2005) and Liverpool (November 2005).

In the spring break 2005 she was in charge of the study season at Eretria Museum in preparation for the publication of the *Lefkandi III* text volume (the Toumba Cemetery). In the summer she directed the Lefkandi-Xeropolis excavation.

In July 2005 she submitted together with Sigrid Deger-Jalkotzy the volume *Ancient Greece. From the Mycenaean Palaces to the Age of Homer* (Edinburgh University Press). Apart from co-editing the volume, she also contributed a paper on Lefkandi and Athens. Together with F. Lo Schiavo, L. Vagnetti, R.D. Whitehouse and J.B. Wilkins, she is preparing the volume, *Beyond frontiers: Greeks, Cypriots, Phoenicians and Etruscans: studies in honour of David and Francesca Romana Ridgway* (Accordia Research Papers, supplementary volume). In this volume she also contributed with the paper entitled 'A New Figurine from Xeropolis Lefkandi'.

Her paper 'The changing relationship of the Euboeans and the East' is now published in A. Villing (ed.), *The Greeks in the East*, The British Museum Press 2005, pp. 53 –60. Preliminary reports on the Lefkandi excavation of 2004 are published in J. Whitley, *Archaeological Report for 2004–05*, British School at Athens 2005, pp. 50–2.

Current research interests include:

The archaeology and art of early Greece; state formation in Early Greece from the Late Helladic IIIc to the Archaic period; Literacy; Late Bronze and Iron Age exchange patterns in the Mediterranean; the archaeology of Ionia

Some specific projects include:

Excavation at Lefkandi
Publication of the Toumba cemetery at Lefkandi
Publication of Early Iron Age material from Oropos, Attica

Marlia Mango, Lecturer in Byzantine Archaeology and Art

Dr Mango supervised ten doctoral students and four Masters students. She taught for the M.Phil. in Classical Archaeology, the M.St. in European Archaeology, the M.St. and M.Phil. in Byzantine Studies, and the M.Sc. in Water Science Policy and Management, in addition to the FHS of Archaeology and Anthropology and of Classical Archaeology and Ancient History. She remained Organising Tutor for the five Archaeology and Anthropology students at St John's. She convened the termly seminar in Byzantine Archaeology and Art, one co-convened (with Professor J. Allan) with Islamic Archaeology and Art, and co-convened another in Byzantine Studies. She acted as an Assessor for the examinations for the M.Phil. and M.St. in Byzantine Studies, for the M.Phil. in Classical Archaeology, for the M.St. in European Archaeology and for the FHS of Archaeology and Anthropology and of Classical Archaeology and Ancient History. She continued to serve as Secretary of the Committee for Byzantine Studies and on the Editorial Board of *Oxford Studies in Byzantium* (OUP). She also continued as a member of the Board of Directors of the Saint Catherine Foundation, Inc. in New York and of the Steering Committee for the Thirty-First International Congress of Byzantine Studies (2006). She again covered UK publications on Byzantine archaeology and art for *Byzantinische Zeitschrift*. She gave six papers to seminars in Oxford and one to the annual BANE meeting, and invited lectures to the Society of Antiquaries, London, to an international conference in Washington, DC, and (two) to a meeting held in Damascus by the Directorate General of Antiquities and the Council for British Research in the Levant. In the summer she directed the Oxford team in an eighth season of fieldwork at Andarin/Androna in Syria.

Current research interests are:

Urbanism in the eastern provinces of the Empire, Byzantine trade, late antique secular

architecture and 'pagan' art

Specific projects include:

The Androna (Andarin) Excavations and Landscape Study in Syria

The Tchalenko Archive Project

The Laskarina Bouras Archive Project

The Sevso Treasure Documentation Project

Catalogue of Late Antique and Byzantine Antiquities in the Ashmolean Museum

Annalisa Marzano, Research Assistant

Dr Marzano joined the Institute in October 2004 as Research Assistant to the Professor of the Archaeology of the Roman Empire. Besides working on different research projects directed by Professor Wilson, and participating in the excavations in Benghazi and Rome, she gave tutorials in City and Settlements and Art under the Roman Empire and organized the Roman Discussion Forum series. She delivered a paper (on the Roman triumph) at the 136th Annual Meeting of the American Philological Association, and one (on fish salting vs. breeding in Roman Italy) at the International Congress on Fish Salting in Antiquity, held at the University of Cadiz. The proceedings of this conference will be published in the BAR series in 2006. In October 2005 she was awarded a Junior W. Golding Research Fellowship by Brasenose College and was asked to give a talk on her research at the joint Brasenose/Lincoln Classicists' party. She was also asked to participate in an educational TV series by Croatian television on 'Insane Roman Emperors'. She is currently working on a book on the social and economic role of villas in central Italy.

Current research interests include:

Social and economic history of villas in Italy, the transition between late antiquity and middle ages: the transformation of the maritime façade of the Tyrrhenian coast, mechanisms of imperial propaganda on coinage, the political role of the triumphal banquet for the people and its origins

Damian Robinson, Junior Lecturer in Classical Archaeology

Lectured for the undergraduate degree courses in Archaeology and Anthropology and Classical Archaeology and Ancient History and provided tutorial teaching for the M.St./M.Phil. in Classical Archaeology.

He co-directed the eleventh season of fieldwork in Insula VI.i at Pompeii, jointly with Dr Rick Jones (University of Bradford), in which 12 Oxford graduate and undergraduate students participated.

He organized, with Professor Bert Smith, the Classical Archaeology Seminar (MT05) 'Current Debates in Roman Archaeology'. He gave two joint conference papers, 'Rich and poor in the city: integrated approaches to the urban community at Pompeii' (UK Archaeological Science Conference) and 'New work in the House of the Surgeon' (Archaeological Institute of America). He gave two invited lectures at a University of Bradford day school on Pompeian archaeology, 'The Archaeology of Insula VI.i' and 'The rich get richer...'. He also gave a paper in Oxford on his research in Pompeii, 'The archaeology of an urban neighbourhood'.

Current research interests are:

The formation, sustenance and development of Roman settlements, especially Pompeii
Roman domestic architecture
The economy of the Roman Empire

Specific research projects include:

Anglo-American Project in Pompeii (Italy)
Leptiminus Archaeological Project (Tunisia)

R.R.R. Smith, Lincoln Professor of Classical Archaeology and Art

Smith gave university lectures on classical Greek sculpture, Greek and Roman wallpainting, and Roman imperial art, and organized research seminars on 'Alexandria in Rome' (with Philip Hardie) and on 'Mimesis in ancient Greek culture' (with B. Kowalzig and V. Platt). He continued archaeological fieldwork in Turkey at Aphrodisias in July and August, and completed a volume on *Roman portrait statuary from Aphrodisias*, now at press. He gave research papers in Antalya, Göttingen, Heidelberg, and New York, and made a research visit to Libya to see sites and museums in Cyrenaica and Tripolitania.

Current research interests are:

Greek and Roman art, the archaeology of Asia Minor in the Hellenistic and Roman periods

Specific projects include:

Aphrodisias Excavations

Michael Vickers, Professor of Archaeology; Senior Assistant Keeper, Department of Antiquities, Ashmolean Museum

Directed (together with Professor A. Kakhidze) the seventh season's work of the Oxford–Batumi Pichvnari Expedition, the excavation of a Greco-Colchian settlement on the Black Sea coast of Georgia. With the substantial assistance of Agnieszka Frankowska, he prepared a website on Pichvnari (Google it). He served on the advisory board of the Centre for Archaeological Studies of the Georgian Academy of Sciences, Tbilisi. He was the official host of two visiting scholars from Georgia under the British Academy Joint Activities scheme. He read papers at the Oxford History of Childhood Seminar; the Annual Georgian Studies Day, Newport; the International Conference on the Aegean and the Black Sea, Volos; the Annual Meeting of the Tamil Nadu Numismatic Society, Chennai, and lectured to the British–Georgian Society, the Belfast branch of the Hellenic Society, and at the University of Toruń. He supervised the work placement of a student from the University of Toruń.

Current research interests include:

Ancient material values and metrology; Euesperides, Pichvnari excavations

Susan Walker, Keeper of Antiquities, Ashmolean Museum

In addition to her administrative duties, Dr Walker has spent much of the year developing the design of the galleries in the new Ashmolean Museum, and overseeing the development of a

travelling exhibition on the Greek Bronze Age. In Trinity Term 2005 she co-convoked with Jeremy Johns, Henry Kim and Luke Treadwell a series of eight seminars on *Crossing Cultures, Crossing Time*, the over-arching theme of the Ashmolean Plan. She supervised two undergraduate and one M.St. dissertations.

Dr Walker has this year visited museums throughout the UK and in Rome, Cori, Priverno, Pisa, Madrid, Alexandria, Chicago and Los Angeles. She has given numerous invited lectures in Oxford and elsewhere on her current research interests, and was in April the Emmanuele Lówy lecturer at the University of Rome, La Sapienza. She briefly visited the OCMA excavations at Herakleion and Canopus, Egypt, and while in Rome pursued her research on the possible Etruscan origins of archaism in Roman art in the age of Augustus.

Current research interests:

Following the publication of *The Portland Vase* (2004), the iconography of Roman cameo glass and Roman attitudes to Egypt; late Roman Volubilis; editing volume of papers on *After Actium: recent archaeological discoveries from Roman Greece*

Andrew Wilson, Professor of the Archaeology of the Roman Empire

Professor Wilson took up the Professorship of the Archaeology of the Roman Empire on 1 October 2004, and commenced a two-year period of research leave funded by the award of a Philip Leverhulme Prize. He continued, however, to supervise six continuing D.Phil. students, and one M.Phil. student.

He continued to serve as Honorary Secretary of the Society for Libyan Studies, and on Council of the Society for the Promotion of Roman Studies; he joined the Faculty of Arts and Letters of the British School at Rome. In addition to his inaugural lecture, 'Romans at Work', he gave an invited seminar paper at the University of Lund, and a paper at an international conference in Boulogne-sur-Mer, France (on purple dye production at Euesperides). He has been preparing a study of division of labour and mass production in the Roman economy, and wrote a chapter for the forthcoming *Short Oxford History of Europe* on the Roman economy, and a study of the Roman water-mills at Ickham, Kent.

He co-directed a seventh season of fieldwork at the Greek colony of Euesperides (Benghazi, Libya) jointly with Paul Bennett of Canterbury Archaeological Trust and Ahmed Buzaian (Gar Yunis University, Benghazi). He co-directed the third season of an excavation project by the south-east corner of the Roman Forum, Rome, jointly with Dr Darius Arya (Institute for Roman Culture, Rome) and Dr Jennifer Trimble (Stanford), in which three Oxford undergraduates and graduates participated.

In collaboration with Professor Alan Bowman he applied for and was awarded an AHRC research grant for a major five-year project on quantifying the imperial Roman economy, 100 BC to AD 300, commencing on 1 October 2005.

Current research interests include:

Ancient technology, especially mechanization and the use of water-power; the ancient economy, especially urban-based artisanal activities, and long-distance trade in the Greek and Roman periods; ancient water supply and irrigation

Specific research projects include:

Excavations at Euesperides (Benghazi, Libya)

Excavations in the Roman Forum (Rome)

The Janiculum mills (Rome)

Egyptian and Near Eastern

Helen Whitehouse, Senior Assistant Keeper in the Department of Antiquities, Ashmolean Museum

Dr Whitehouse spent part of February in Egypt, working on fragmentary Roman wallpaintings excavated at Amheida by the Columbia University expedition as part of the Dakhleh Oasis Project. She gave a talk on seventeenth-century copies of Roman mosaics to the symposium of the Association for the Study and Promotion of Roman Mosaics in London on 4 December, and lectured on fieldwork in Egypt to a day-school at Durham University, and the Three Counties Ancient History Society.

Current research interests are:

Protodynastic Egypt; publication of Roman wallpaintings at Kellis; seventeenth-century copies of Roman paintings and mosaics; the post-pharaonic reception of Egyptian antiquities

Numismatics

Nicholas Mayhew, Deputy Director, Ashmolean Museum, Curator and Reader in Numismatics, Heberden Coin Room, Ashmolean Museum

Professor Nicholas Mayhew spoke at a CNRS meeting in Orleans and Paris on minting metallurgy in September, and at a separate meeting in Paris in October on the wealth of medieval England. He taught two doctoral students and one M.Phil. student in Social and Economic History.

Current research interests are:

Medieval and early modern coinage and monetary history

Christopher Howgego, Acting Keeper, Heberden Coin Room, Ashmolean Museum, Reader in Greek and Roman Numismatics, University Lecturer in Roman Numismatics

Dr Christopher Howgego returned from sabbatical on 1 December and was appointed as Acting Keeper from 1 January for the duration of Professor Mayhew's appointment as Deputy Director. Dr Howgego will retain his responsibilities as Assistant Keeper and University Lecturer (part-time). He continues to direct the Roman Provincial Coinage in the Antonine Period project. In November, the University's Academic Computing Development Team began work on the development of the Roman Provincial Coinage Online website. This is the first such project the Team has taken on within the Museum, and the Coin Room is immensely grateful to them for their expertise and enthusiasm. He delivered eight University lectures, gave weekly tutorials in Hilary Term to four M.Phil. students and two undergraduates, and supervised two doctoral students. He also acted as an academic adviser under the Oxford Colleges Hospitality Scheme.

He spoke in the Museum to a party of A-level students from Abingdon School, and organized four handling sessions for 39 year 10 Latin students from Oxford High School, and two sessions on Treasures From the Past as part of a Classics outreach event.

Current research interests are:

Roman provincial coinage, Coinage and Cultural History

Henry Kim, Assistant Keeper (Greek Coins and Medals), Heberden Coin Room, Ashmolean Museum; University Lecturer in Greek Numismatics

Henry Kim was seconded as Concept and Design Manager to the Ashmolean Development Plan from 1 February 2005.

Current research interests are:

The beginnings and spread of Greek coinage, and medals

Shailendra Bhandare, Assistant Keeper (South Asian Coins and Banknotes), Heberden Coin Room, Ashmolean Museum

Dr Shailendra Bhandare organized the 16th Oxford Numismatic Symposium on 'Indian Numismatics, Epigraphy and Archaeology: Recent Advances in Reconstructing the Past' on 14–16 September 2004. Sixteen speakers and several observers attended from different countries such as UK, USA, Canada, Austria, France, India and Pakistan. It was funded by a generous private donation and also through funds available from the Society of South Asian Studies (British Academy) and the Royal Numismatic Society. In November 2004, Dr Bhandare visited Calgary and Vancouver in Canada. At Calgary he attended the Numismatic Conference organized by Nickle Museum of the University of Calgary, where he presented a paper entitled 'Like a Rim to the Spokes: Kingship and Identity on Ancient Indian Coins'. He lectured on 'The Indo-Greeks and their Successors: Numismatic and Historical Insights' to the students of South Asian Studies Department, University of British Columbia at Vancouver.

In January 2005, Dr Bhandare attended a workshop on 'Coins as Historical and Cultural Documents' organized by the Centre for Historical Studies, Jawaharlal Nehru University, New Delhi and presented a paper titled 'A Metallic Mirror: Changing Representations of Sovereignty on Indian Coins during the Raj'. He lectured to the members of the Gujarat Coin Society in Ahmedabad, India, in February 2005 and documented c.1000 coins for future research from various sources including private and institutional collections in Mumbai, New Delhi and Kolkata. He also studied and documented important coins from a private collection in Dubai during a week-long stay there while on his way back to the UK in February 2005.

In March and April 2005, he gave two seminars on 'Indo-Islamic Syncretism: Numismatic Insights' for the University's Khalili Centre for Islamic Material Culture of the Near-East. Another lecture on the topic was given to the Oxford Centre for Mission Studies in June 2005.

In May 2005, he was awarded the Triennial Council Prize of the British Numismatic Society (named the 'Blunt Prize') for significant contribution to the study of Commonwealth coinages. He was awarded the prize at a meeting of the BNS on 24 May and he lectured on 'The

East India Company Mint at Bombay: Early Years 1664–1715’ on that occasion.

In July 2005, Dr Bhandare attended the European Association of South Asian Archaeology conference at the British Museum in London, where he co-ordinated a panel on Punch-Marked Coinage. The panel had six participants and he presented a paper titled ‘Punch-Marked Coins of the “Archaic Series” – Approaches to Classification’. He was also a member of the Advisory Committee for the Conference.

As part of the Ashmolean Plan initiative, c.15,000 Indian coins were rehoused in new storage. This will facilitate their eventual rearrangement, reclassification and publication. Certain sections were rearranged on the basis of recent numismatic advances. Dr Bhandare also continues to supervise Jez Stanley of Merton College, doing his research on Divine and Royal Imageries of the Indo-Greek and Indo-Scythian period for his M.Phil. dissertation.

Current research interests are:

Monetary history of India (400 BC–AD 500 and post-sixteenth century)

Volker Heuchert, Collections Manager, Heberden Coin Room, Ashmolean Museum

Dr Volker Heuchert continues to work 75% of his time for the Heberden Coin Room as Collections Manager, while devoting the remaining quarter to the Roman Provincial Coinage project. As far as this project is concerned the main focus remains the development of the project website in conjunction with the Academic Computing Development Team. In his capacity as Collections Manager he is involved in the planning of the departmental ‘decant’ and aspects of the future department within the Ashmolean Plan.

Current research interests are:

Roman Provincial coinage

Luke Treadwell, Assistant Keeper, Heberden Coin Room, Ashmolean Museum

Dr Luke Treadwell supervised the safe removal of the Shamma collection of Islamic coins on 12 July 2005. He organized a well-attended series of eight lectures at St Cross College entitled *Who owns objects? The ethics and legality of collecting*, and this was concluded with a workshop at All Souls College. A book of the proceedings, edited by Luke Treadwell, Eleanor Robson and Chris Gosden, will be published by Oxbow Books at the end of 2005. He collaborated with Henry Kim and Susan Walker in organizing the seminars on the new Ashmolean Museum held in the Khalili Research Centre in Trinity Term 2005. Also in Trinity Term at the Khalili Research Centre together with Pedram Khosronejad he gave a series of lectures on *Mortuary Landscapes of Islamic Iran*. He gave a public lecture at the British Institute of Persian Studies in Tehran entitled *Travelogue of Abu Dulaf al-Khazraji* and a class on the iconography of early Islamic coinage at Iran Bastan Museum.

In Michaelmas Term he gave eight lectures on early Islamic coinage to a group of M.St. students. He ran a course on Indian Islamic Art and Archaeology in Hilary Term. In Trinity Term he taught a class in the Khalili Research Centre on the epigraphy of the mortuary landscape of medieval Iran. He supervised two M.St. students from Iran for the M.St. in Islamic Art and Archaeology. He taught for the M.St. and M.Phil. in Islamic Art and Archaeology.

Current research interests are:

Early Islamic coinage: monetary history of the fourth and fifth centuries AH: Islam in central Asia (to the Mongol invasion)

Julian Baker, Finds Adviser, Medieval and Post-Medieval Coins, Portable Antiquities Scheme, Heberden Coin Room, Ashmolean Museum

Dr Julian Baker is the Finds Adviser for Medieval and Post-Medieval Coins of the Portable Antiquities Scheme (www.finds.org.uk). In this capacity he advises and teaches local Finds Liaison Officers, and he travels to Cambridge regularly to collaborate with the *Early Medieval Coinage* project. In October he spent two weeks in Istanbul to work on three fourteenth century hoards from the city, now in the Archaeological Museum. In October he lectured at the conference *La Circulation des richesses* (CNRS), and in November he spoke on the dating of coins in archaeological contexts to the *Byzantine Archaeology and Art Seminar*. In January Dr Baker lectured on 'Medieval Coin Finds from Elis/Peloponnese, with particular reference to the site of Clarentza' to the Royal Numismatic Society; in April on the 'Contributions made to the study of the coinages of England and Wales, 1180-1351, by the Portable Antiquities Scheme database' to the British Numismatic Society. He also spoke about the PAS at the Leeds International Medieval Congress in July. As the recipient of this year's 'Carlo M. Cipolla' scholarship of the *Società Italiana di Numismatica* of Milan Dr Baker was able to study a number of later medieval coin hoards from the region of Calabria, and in collaboration with the University of Messina. He was also awarded a British Academy Small Grant to resume, from July, his work on the excavation material from the site of Sparta. He taught the numismatic element of the Byzantine Studies M.St. and is a formal collaborator for the numismatic bibliography of the *Byzantinische Zeitschrift*.

Current research interests are:

Stray coin finds in England with reference to the material collected through the Portable Antiquities Scheme; monetary life in later Byzantium, and in the Kingdom of Naples and related territories in the southern Balkans; excavation coins from Sparta

Archaeological Science

Gary R. Lock, Reader in Archaeology

Gary Lock's post is split between the Department of Continuing Education, where he directs the archaeology programme, and the Institute of Archaeology of which he is Director. Fieldwork has continued locally with the *Vale and Ridgeway Project* based on the later prehistoric landscape of the Berkshire Downs and Vale around Marcham/Frillford, providing a training excavation for departmental students. This forms the basis for research into the use of Geographic Information Systems technology in the reconstruction of ancient cultural landscapes. Dr Lock also manages the AHRC-funded South Cadbury Environs Project, with Bristol University, which is continuing with extensive fieldwork and GIS-based analysis. Another focus has been the preparation for publication of the Sangro Valley Project fieldwork results funded by the British Academy.

Dr Lock is the Continuing Education representative on the Education Committee of the Council for British Archaeology, a member of SCACE (the Standing Conference on Archaeology in Continuing Education), a member of the National Archaeology Training Forum, external

examiner at the University of Southampton, editor of the *Archaeological Computing Newsletter*, and on the Academic Committee of the Oxford Archaeology. Dr Lock is a founder Director of Oxford ArchDigital Ltd, a spin-out company of the University specializing in archaeological IT consultancy. He is Track Chair for the IT and Cultural Heritage track in ECIS (European Conference on Information Systems) and a member of the Arts and Humanities Research Council's Peer Review College.

David Griffiths, Lecturer in Archaeology, OUDCE

David Griffiths's research project on Meols continued to progress towards completion, and is now at the editing stage preparatory to the final text being submitted to the School of Archaeology's monographs series. His Birsay/Skaill Landscape Project in Orkney progressed from the second season of survey and geophysics to a third season involving test excavation at two further sites in July–August 2005.

In 2004–5 he held the Newlands Visitorship, an Oxford–Glasgow academic exchange, which allowed a period of leave to be spent at the Department of Archaeology, University of Glasgow, including a research visit to the Western Isles. He gave papers at conferences in Oxford, Glasgow and Cork (Ireland). He is party to a current funding bid to the Norwegian Research Council for a research project on Trondenes, a prehistoric and medieval political and religious centre in Arctic Norway.

David Griffiths is Director of the Oxford University M.Sc. in Applied Landscape Archaeology (part-time, two years), run by Continuing Education, which completed its second full cohort in 2005, with three candidates gaining distinctions. There are now 14 students on this course, from a wide variety of backgrounds including several current employees of English Heritage and other professional organizations. He is also Director of the OUDCE Advanced Diploma in Archaeological Practice.

Since October 2004, Director of Studies in Archaeology and Anthropology for Harris Manchester College, and since January 2005, he has been Chair of the Sub-Faculty of Archaeology.

Current research interests:

Early medieval settlement and economy (Anglo-Saxon/Celtic/Viking); landscape archaeology

Specific research projects:

Meols Project
Birsay/Skaill (Orkney) Landscape Project
Maen Achwyfan Project
Trondenes Project

J.P. Northover, University Research Lecturer

Dr Northover is responsible for the Materials Science-based Archaeology Group in the Department of Materials. He also manages the specimen preparation and optical microscopy

laboratory at the Department's Begbroke site, and is the organizer of the Department's undergraduate practical class.

His principal activities are post-excavation and museum-based studies of non-ferrous and precious metals, with collaborators in a number of countries. Current research interests arising from this are recovering the original, as-manufactured appearance of artefacts, and using metallurgical techniques to interpret processes associated with the deposition of metal objects, such as 'killing' and cremation. He is also increasingly involved in projects in historical and industrial archaeology. He also supervises D.Phil. and Part II students in materials, and D.Phil. students in archaeology.

During the year Dr Northover, with Chris Salter, presented papers at the British Museum conference in honour of Paul Craddock and at the Non-Destructive Testing in the Cultural Heritage meeting in Lecce.

Specific research projects include:

- Bronze metallurgy of the European Iron Age

- The Isleham hoard

- Early metallurgy in the upper Euphrates basin

- Engineering metallurgy of the eighteenth and nineteenth centuries

- Surface finish of Bronze Age metalwork

Mark Robinson, Professor of Environmental Archaeology and Director of the Environmental Archaeology Unit, University Museum of Natural History

Laboratory practical classes and lectures were given for the undergraduate degree in Archaeology & Anthropology. Teaching was also given for an environmental archaeology module of the M.Stud. on World Archaeology. Professor Robinson took over as Chairman of the Standing Committee for Archaeology and Anthropology.

A major project, funded by the Aggregates Levy, has begun with Oxford Archaeology to write a series of volumes synthesizing the archaeology of the Middle and Upper Thames Valley from the start of the Mesolithic until AD 1000. A draft of the Roman and Saxon volume has been completed. English Heritage-funded work has mostly been concerned with writing up projects for publication. Lectures and demonstrations have been given for five English Heritage Training Days. Laboratory analyses were undertaken of samples from Pompeii and Bronze Age barrows in Wiltshire. Four weeks were spent on fieldwork in Pompeii. This included the second season of excavation of a high-status peristyle garden. Further investigations were made of the prehistoric settlements underlying the town.

Current research interests are:

- Integrated palaeoenvironmental studies of waterlogged plant and invertebrate remains from archaeological sites

- Floodplain palaeohydrology in relation to archaeology

- Late Mesolithic to Bronze Age changes in the British insect fauna

- Plant and invertebrate evidence for diet, ritual and environment in Pompeii

- The prehistoric archaeology of Pompeii

Specific research projects include:

- Plant and invertebrate remains from Silchester
- Yarnton–Cassington Project
- DAI/University of Oxford excavations at Pompeii
- Svenska Institutet i Rom/University of Oxford excavations at Pompeii
- Plant and invertebrate remains from a Roman conquest fort at Alchester

A.M. Pollard, Director and Edward Hall Professor of Archaeological Science

Joined the Research Laboratory for Archaeology in October 2004, and contributed to the Materials Science teaching on the M.Sc. in Archaeological Science. He established a Tephrochronology laboratory (Dr S.P.E. Blockley), which uses the chemical identification of microscopic sherds of volcanic glass to establish chronostratigraphic markers, with the aim of producing high resolution chronologies for archaeology and quaternary science. This is in collaboration with Professor John Lowe, Royal Holloway University of London, and has been part-funded through an EU grant to carry out work on Italian tephra with Professor Fabio Trincardi, University of Bologna.

Immediately prior to joining the University of Oxford he attended the meeting ‘Archaeological Sciences in the Americas’, organized by the University of Arizona, Tucson, as part of their NSF award to train archaeological scientists. He was the only non-US invited keynote speaker. In early February he was invited to give a keynote lecture at a meeting on ‘Synchrotron Radiation in Art and Archaeology’ at the European Synchrotron Facility in Grenoble. Later in February he co-organized and gave a presentation at a CBA day meeting in London on archaeological science. In March he attended the NERC EFCHED meeting in Newcastle as a member of the steering committee. In April he was invited to give the Leo Biek Memorial Lecture at the Archaeological Sciences 2005 conference at the University of Bradford. At the end of April he co-organized and co-chaired a session on Archaeological Geochemistry at the European Geophysical Union meeting in Vienna. In May he attended the 2005 International Symposium on Archaeometry in Beijing, China, as a guest of the organizers. In September he organized a session at the British Association for the Advancement of Science meeting in Dublin, entitled ‘Archaeology: who sets the agenda?’. At the end of September he attended the INTIMATE (Integration of Ice-core, Marine and Terrestrial Records) meeting in Iceland, along with Christopher Ramsey, Simon Blockley and Christine Lane from the Lab, and gave a paper on numerical considerations in the interpretation of tephrochronology.

During 2004–5 he became Oxford Managing Editor of *Archaeometry*, and continues as a member of the editorial board of *Journal of Archaeological Science*. He is also a member of English Heritage’s Research Advisory Panel. He concluded his period as chair of the NERC Inductively Coupled Plasma Steering Committee, and stood down as co-editor of the journal *Archaeological Prospection* (although he continues on the editorial board).

Current research interests include:

- The effect of rapid climate change on human activity and environments, especially during the Late-glacial–Holocene transition
- The role of materials science in archaeology
- Issues relating to the preservation and degradation of archaeological material, particularly in the context of the policy of preservation *in situ*

Robert E.M. Hedges, Deputy Director, Research Laboratory for Archaeology and the History of Art

Organizes the M.Sc. Course in archaeological science, and teaches its Biomolecular Archaeology section, as well as contributing archaeological science teaching to the undergraduate degree course.

Research projects are mainly centred around collaborations with D.Phil. students in the field of palaeodietary reconstruction, but also includes radiocarbon dating in the Palaeolithic (the spread of Early Modern Humans in East Europe, with Dr William Davies; and collaboration with Professor Nick Barton on dating modern humans in north-west Africa), and, more generally, on radiocarbon reservoir effects through diet. The palaeodietary work ranges from site-based interests (mainly UK Neolithic to Anglo-Saxon) to developing new methodologies and approaches. These include the potential of Ca isotopes in studying dairying (with Drs Henderson and Chu of Department of Earth Sciences), the possibilities of boron isotopic studies (with Dr Kasemann of Edinburgh Earth Sciences Department), and of hydrogen isotopes (with Linda Reynard, RLAHA) in determining trophic levels of dietary intake. Research is being carried out with two doctoral students on the potential of single amino acids for dietary reconstruction. Gave the Munro lecture at the Department of Archaeology, Edinburgh University, and presented papers at the Stable Isotope Meeting (York) (Stable isotope provenancing of Turkish carpet wool), and at the Bone Diagenesis Meeting (Cape Town, South Africa) (Detection of dietary biomolecules in bone).

Funded research projects:

- Nitrogen isotope variation in animal metabolism (with Barbara Emery (RLAHA) and Dr T. O'Connell, Cambridge) (Wellcome Grant)
- Dating Early Modern Human presence in East Europe (with Dr William Davies) (NERC Grant)
- Using Calcium isotopes to quantify milk consumption (Leverhulme Grant)
- Using Sulphur and other isotopes to provenance Turkish Carpets (with Jonathon Thompson, Ashmolean) (University Research Grant)

Christopher Ramsey, University Research Lecturer, Archaeological Science

Christopher Ramsey is Director of the Oxford Radiocarbon Accelerator Unit which engages in collaborative research with archaeologists from all over the UK, and overseas, on projects involving radiocarbon dating. He coordinates the dating section of the M.Sc. in Archaeological Science and was supervising one D.Phil. student working on dendrochronology. He was chair of examiners for the M.Sc. in Archaeological Science in the academic year 2004/5.

As a college lecturer in Physics at Merton College he contributes to the undergraduate teaching, particularly in the area of applied mathematics.

He is on the editorial board of the international journal *Radiocarbon* and has been appointed to the editorial board of the new journal, *Quaternary Geochronology*, which is an offshoot of the journal *Quaternary Science Reviews*. He is also a member of the IntCal working group which defines which chronological records are recommended for calibration of

radiocarbon dates and joined the INTIMATE group which seeks to integrate information from past climate records.

He gave invited talks at a conference on the synchronization of chronologies of the Eastern Mediterranean in Vienna, at the Rutherford Appleton Laboratory and an invited lecture series in Seville on Accelerator Mass Spectrometry and its applications. Conference papers were also presented at the conference on Near Eastern Archaeology at Yarnton, the INTIMATE workshop in Iceland and the AMS conference in Berkeley.

Current research interests are:

- The use of scientific dating methods and statistical methods to refine chronologies
- The application of chronology to understand archaeological and environmental processes

Specific research projects are:

- Scientific dating for the Archaeological community (NERC-funded ORADS service)
- Development of the radiocarbon calibration and statistical analysis program, OxCal (English Heritage-funded project)
- Investigation of methods of selection of bone for radiocarbon dating (English Heritage project)
- Relative timing of events in the Eastern Mediterranean (NERC-funded grant led by Sturt Manning)
- Study of the mechanisms of production of radiocarbon in the stratosphere (NERC-funded small grant)

Conservation

Mark Norman, Head of Conservation, Ashmolean Museum

Although laboratory work continues on the investigation and conservation of material from the Ashmolean's collections for publication in support of the curatorial departments' research, collections management, loan, and gallery redisplay programmes, emphasis has focused on preparatory work for the Ashmolean's redevelopment. Since February 2004, Mark Norman has been seconded to the Collections Decant team which has been responsible for the digital photography, databasing, and packing of over 180,000 items from the Ashmolean's collections prior to relocation. The project has also continued to place significant demands on the Conservation Department as a whole. It has been deeply involved throughout the year in the detailed development of the plans for new conservation facilities and advising on environmental and other aspects of the project, working closely with curatorial and building design colleagues. The demands of the Ashmolean redevelopment project have therefore diverted the Conservation Department from many of its normal activities. As a result, less interventive/investigative conservation was possible during the year but joint x-radiography research projects with the Universities of Southampton and Bradford and Cardiff on the technological study of early English embroideries and Greek helmets continue.

Mark Norman continues to be a co-opted member of the Committee for Museums and Scientific Collections.

4. RESEARCH PROJECTS IN PROGRESS

4.1. *Summary Accounts of Projects*

A. Scientific investigations

Plant and invertebrate remains from Silchester

Professor M.A. Robinson

A report was completed on the late Roman environmental archaeology of the town. Preliminary work is now being undertaken on mid-Roman material from the site.

Sponsor: British Academy via University of Reading

Macroscopic plant and invertebrate remains from excavations in Pompeii

Professor M.A. Robinson

Analysis has begun of charred plant remains from the garden of the Casa degli Epigrammi Greci looking at evidence from burnt offerings. Samples of garden soil are being analysed in an attempt to discern blocks of soil imported on the roots of plants.

Sponsor: Svenska Institutet i Rom

Analysis of ninth century blue and white wares from Iraq

Dr N. Wood, Professor M. Tite, Dr C. Doherty, Dr B. Gilmour

Further X-Ray Fluorescence and Scanning Electron Microscope analysis of ninth century blue and white wares from Iraq. In collaboration with Professor Mike Tite, Chris Doherty and Dr Brian Gilmour of the RLAHA, and the Ashmolean Museum, Oxford. Also a study of deforestation in China from the ninth to thirteenth centuries and its influence on Chinese ceramic production.

Development of fine-probe magnetic susceptibility instrumentation and methodology

Dr J.E. Scott-Jackson, Dr W.B. Scott-Jackson

The development and experimental use of a 'Bartington' fine-probe magnetic susceptibility field instrument capable of measuring *in-situ* levels of soil magnetic susceptibility within excavated horizons and sections (an ongoing investigation).

Sponsor: BusinessHR Solutions Ltd. (Palaeolithic Fund)

Investigations of wide-area magnetic susceptibility anomalies at Dickett's Field

Dr W.B. Scott-Jackson, Dr J.E. Scott-Jackson

An investigation into the wide-area magnetic susceptibility anomalies in Dickett's Field and the correlation of these readings with a soil chemical analysis.

Sponsor: BusinessHR Solutions Ltd. (Palaeolithic Fund)

Soil samples from Lower Kingswood and Banstead Heath, Surrey

Dr H. Walkington, Dr J.E. Scott-Jackson

The analyses of soil samples collected during excavations and investigations at the Lower/Middle Palaeolithic site on deposits mapped as Clay-with-flints at Rookery Farm, Lower Kingswood, and Banstead Heath, Surrey.

Sponsor: Oxford Strategic Consulting Ltd.

Elemental analyses of patination and staining effects on flint specimens from the PADMAC Unit sites

Dr J.E. Scott-Jackson, Dr V. Winton, with Dr Emmanuel (Manolis) Pantos (The Archaeometry Unit, SRS Facility, Science Division, Daresbury Laboratories), Dr Winfried Kockelman (ISIS Facility, Rutherford Appleton Laboratory)

Collaborative project: Elemental analyses of patination and staining effects on flint specimens from PADMAC Unit sites to investigate how different patinas and stains are produced. The specific target of this collaboration is to facilitate post-depositional, environmental reconstruction and Lower and Middle Palaeolithic site formation studies with particular reference to deposits mapped as Clay-with-flints. The results of this research may also have a wider application.

Sponsors: BusinessHR Solutions Ltd. (Palaeolithic Fund), Rutherford Appleton Laboratory, ISIS Facility

The genesis, variability and distribution of the deposits mapped as Clay-with-flints

Dr J.E. Scott-Jackson, Ms A. Thomas, with Mr R. Ellison, Mr P. Hopson (British Geological Survey at Keyworth)

Collaborative research: The genesis, variability and distribution of the deposits mapped as Clay-with-flints.

Sponsor: BusinessHR Solutions Ltd. (Palaeolithic Fund)

Field investigations and sedimentological analysis of deposits mapped as Clay-with-flints

Dr J.E. Scott-Jackson, Dr H. Walkington, Ms A. Thomas, with Professor J. Catt (University College London), Dr F. Quesnel (BRGM, Orleans, France)

Collaborative research on the results of field investigations and sedimentological analysis of deposits mapped as Clay-with-flints.

Sponsor: BusinessHR Solutions Ltd. (Palaeolithic Fund)

Soil micromorphology of cultural deposits from cave sites in tropical Island Southeast Asia

Dr H.A. Lewis

This multi-phased project currently includes soil micromorphology studies of cultural sediments from Niah Cave (Malaysian Borneo), and a series of caves on the islands of Palawan and Luzon (Philippines). In 2004–5 analysis and reporting was completed of Tabon Cave (accepted for publication by *Geoarchaeology*), analysis of the first stage of Ille Cave and the Karangkarang Rockshelter was completed (for *Hukay*), and the final stage of analysis of Niah Cave samples was started (for publication submission early in 2006). In addition, the final publication of a study with A. Mijares (ANU) of a group of caves in northern Luzon was accepted by *Asian Perspectives*. A second series of samples from new excavations at Ille Cave was taken and submitted for thin section production.

Sponsors: British Academy Committee for Southeast Asian Studies, Evans Fund, AHRB (partial Niah Funding through G. Barker)

Soil micromorphology of later prehistoric soils in Denmark & Investigations into the construction and landscape histories of Bronze Age oak coffin burial mounds in Denmark

Dr H.A. Lewis

This project includes a number of investigations, ongoing since 1997 (see publication programmes). In 2004–5, analysis of materials from the Skelhøj and Tobøl barrow mounds in South Jutland were carried out in the field and in the laboratory. These are currently being written up for publication in the site monograph. Thin sections from an Iron Age site at Dyvig on Als were also prepared for analysis.

Sponsors: Lejre Research Grants, Cambridge University, McDonald Institute (Cambridge)

Environmental factors in human evolution and dispersals in the Upper Pleistocene of the western Mediterranean

Professor R.N.E. Barton, Mr S. Ward, Dr C. Price

The project addresses the rates and scales of climatic and landscape change and their likely impacts on Middle and Upper Palaeolithic human populations in Morocco and southern Iberia. Excavations and sampling work are continuing at Grotte des Pigeons at Taforalt in north-eastern

Morocco. Mr S. Ward is completing work on the first stage of his D.Phil. investigation of charcoal and phytoliths from this site and Grotte de Rhafas, while Dr C. Price, the project's PDRA, continues in her study of small mammal faunas from Gorham's and Vanguard Caves, Gibraltar.

Sponsor: NERC

Late Upper Palaeolithic & Mesolithic of Britain & Northwest Europe

Professor R.N.E. Barton, Dr C. Price, Dr M.J. Street (Mainz Museum)

Work continued on a joint project, with C. Price and M.J. Street (Mainz Museum), on the use of small mammal indicators to investigate the effects of rapid climatic change in Lateglacial Europe. Approval was granted for a first set of AMS radiocarbon dates by the ORADS panel.

Sponsor: Oxford University

B. Excavations

Danebury Environs Roman Project

Professor B. Cunliffe, Ms E. Durham

The Danebury Environs Roman Project is a programme of excavation and fieldwork focusing on Roman period rural settlement within an area of chalk downland in western Hampshire. The programme began in 1997 building upon an earlier series of excavations designed to study Iron Age settlement in the region. In 2005 the site of the Roman villa at Dunkirt Barn, Abbots Ann was chosen. Extensive geophysical survey undertaken by English Heritage preceded the excavation which took place in August and September 2005. Work focused on an early villa complex, spanning the first to third centuries, which was demolished and levelled in the fourth century when a new multi-storeyed wing-corridor villa was built close by.

Sponsors: Danebury Trust, Roman Research Trust, Haverfield Bequest, Linbury Trust, Headley Trust

Atlantic Seaways Project: Sark

Professor B. Cunliffe, Ms E. Durham

A survey of the archaeology of the island of Sark (Channel Islands) was undertaken in July 2005. As part of the survey trial excavations were made close to the Mill in the centre of the island on the site where the Sark Hoard was found in 1717. Late Iron Age and Republican coins, presumably scattered from the hoard, were found in the ploughsoil below which a late prehistoric settlement site was sampled.

Sponsor: British Academy

Aphrodisias Excavations

Professor R.R.R. Smith, Professor C. Ratté (New York)

The current research project at Aphrodisias in Caria (south-west Turkey) began in 1991 and its aims remain (1) to record, document, and publish the earlier excavations carried out between 1961 and 1990, and (2) at the same time to pursue archaeological investigation of the city's urban plan, street system, and infrastructure.

The campaign of 2005 (June –August) was devoted to excavation in the Civil Basilica and to continuing research and publication projects (City Walls, Stadium, Basilica reliefs, Atrium House). Conservation and restoration work was carried out on 15 further reliefs from the Sebasteion and on the equestrian monument from the civil basilica. Anastylis of the east end of the Sebasteion's well-preserved south building was begun after five years of theoretical work documenting the surviving blocks and their sequences.

A new regional survey of the geology and archaeology of the territory of the city (some 150 square miles) was also initiated, and identified more than 125 archaeological sites, ranging from a prehistoric cave to late Roman farmsteads.

Sponsors: The Institute of Fine Arts (New York University), The Faculty of Arts and Sciences (New York University), The Friends of Aphrodisias (New York), Aphrodisias Sevenler (Izmir), The Friends of Aphrodisias Trust (London), L'Association des Amis d'Aphrodisias (Paris), The Geyre Vakfi (Istanbul), other private donors

Oxford–Batumi Pichvnari Expedition

Professor Michael Vickers, in collaboration with Professor Amiran Kakhidze (University of Batumi)

In July–August, the seventh season of the Oxford–Batumi Pichvnari Expedition (the first ever joint British–Georgian archaeological enterprise) took place. We investigated the necropolis and settlement at Pichvnari on the Black Sea coast of Georgia. Students from St John's and Keble, Oxford, King's College London, St Andrews, Batumi and Tbilisi Universities participated. Parts of the classical Greek cemetery and the settlement were excavated. The Turkish Ambassador to Tbilisi and Mrs Tezgör paid a visit.

Sponsors: Department of Antiquities (Ashmolean Museum), Batumi Archaeological Museum, British Academy, Craven Committee (Oxford), Marjory Wardrop Fund (Oxford), British Institute of Archaeology at Ankara

The Vale and Ridgeway Project: Excavations at Frilford, south Oxfordshire

Dr G. Lock, Dr C. Gosden

Excavations were carried out at the site of Frilford, where previous excavations in the 1930s revealed a Romano-British temple and underlying Iron Age structures and further excavations in the 1980s uncovered an amphitheatre. Excavations took place on the amphitheatre itself,

together with a large Romano-British public building and outlying areas of the temple complex. The large Romano-British building is still of unknown type and further excavations are needed next season to elucidate its structure and purpose and to clarify its links with the amphitheatre. Considerable progress was made in revealing the features of the interior of the amphitheatre, but again more work needs to be carried out next year. First year undergraduate Archaeology and Anthropology students gained training in excavation techniques for two weeks, as part of their course. For the second two weeks the excavation was part of a Continuing Education Summer School.

Sponsors: Oxford University, The Cumber Family Trust, Channel 4 Time Team, Roman Research Trust

The South Cadbury Environs Project

Dr G. Lock, with Dr R. Tabor (Bristol University) and Oxford ArchDigital Ltd.

The exploration of the landscape around the Iron Age hillfort of South Cadbury, Somerset, using large-scale fieldwalking, geophysics and targeted excavation and test-pitting. Includes post-excavation and publication, partly digital including innovative GIS-based analysis.

Sponsor: AHRC

Androna (Andarin) Excavations and Survey, Syria

Co-directors: Dr R. Ugdeh (Hama), Dr M. Mango (Oxford), Professor C. Strube (Heidelberg). Oxford team (for Landscape Study 2005): Dr M. Mango, S. Greenslade, Dr R. Hoyland, S. Leppard, Professor C. Mango, A. McCabe, K. Mohammed, T. Papaioannou, S. Randall, J. Stockbridge

This collaborative project of excavation and survey of a large non-urban desert site, recorded as a Late Roman *mansio* on a Palmyra–Antioch trade route and as a Byzantine *kome* renowned for its wine, started in 1997 with a topographical survey (by Heidelberg) of the extensive remains which include two concentric circuit walls, 12 churches, and 50 known Greek inscriptions. The programme of fieldwork continued from 1998 with excavations in the centre of the site of a public bath (by Oxford) and barracks (by Heidelberg) – two pretentiously decorated buildings constructed by the same individual in and around AD 558 – and an Ummayyad bath (by Hama). Oxford's excavations 2001–3 of the two large irrigation reservoirs by the site (61 x 61 x c.3 m) revealed inflow and outflow channels, evidence of fish breeding, and elaborate architectural and other sculpture. Study of excavated material continues at Oxford by P. Lange, M. Robinson, and C. Salter. In 2005 the Oxford team had its first season of landscape study in an area (22 x 14 km) around the site, concentrating on the plain between Andarin and the jebel to the west. This area is crossed by a series of qanats, some terminating in studied reservoirs. Here we verified the location of 44 sites and eight off-site features (including four unstudied qanats), producing a draft map and draft plans of six main sites including traces of 19 ancient buildings. We recorded 131 loose finds (mills, troughs, etc.) and collected 7,360 pottery sherds at 13 sites.

Sponsors: Oxford team (2005): Council for British Research in the Levant (London), Craven Committee (Oxford)

Euesperides (Benghazi)

Professor Andrew Wilson, in collaboration with Paul Bennett (Canterbury Archaeological Trust), Ahmed Buzaian (Gar Younis University, Benghazi)

In March–April 2005 the seventh excavation season at Euesperides took place, working in two trenches. In Area P domestic levels belonging to the last quarter of the fourth and first quarter of the third centuries BC were investigated. In Area Q, work continued on the houses constructed within the city defences, dating from the fifth to the third centuries BC. Study of the finds included quantification of the pottery assemblages to gain a picture of the city's trading links. Cyrenaican amphorae forms have now been identified, and a comprehensive typology developed for local and imported coarse pottery. Interim reports on the project have appeared in *Libyan Studies*.

Sponsors: Society for Libyan Studies (London), Craven Committee (Oxford)

Excavations in the Roman Forum (Rome)

Professor Andrew Wilson, in collaboration with Dr Jennifer Trimble (Stanford), Dr Darius Arya (Institute for Roman Culture, Rome)

In July–August 2005 a third season of excavation was conducted in the area south-east of the Roman Forum, around the north side of the Domitianic hall, in front of the Oratory of the Forty Martyrs, along the Vicus Tuscus and within the Horrea Agrippiana. The aim of the project is to investigate the changing interaction of commercial, religious and monumental space in this area over time. The excavations uncovered the concrete and ashlar footings of monumental construction pre-dating the Oratory of the Forty Martyrs, a series of Archaic and Republican levels recorded in section to the south of the Temple of Castor, and late imperial and early medieval commercial properties fronting the Vicus Tuscus. In the area of the Horrea Agrippiana two phases of late Republican/early Augustan housing pre-dating the Horrea building were investigated. One room of the W range of the Horrea was found to have an opus signinum floor with marble inlay, covered by late antique flood and fire deposits.

Sponsors: Stanford University, Institute for Roman Culture (Rome), Oxford University

Lefkandi-Xeropolis 2005

Dr Irene S. Lemos (Director)

A priority this year was to understand the ancient landscape of the area. To this end, a geoarchaeological project and a geophysical investigation were undertaken. The second objective was to complete an intensive study of the excavations conducted in 2003 and 2004.

The goal of the geoarchaeological project this year was the understanding of the environmental history of the tell. In close collaboration with Professor Davidson and Dr Wilson our objective had two parts: to assess the nature of soil erosion from the tell and to investigate the shape of the ancient coastline around the tell. One central issue is whether there was a natural

harbour to the east and an isthmus to the west of the area under investigation, with water along much of the northern side of the tell. This investigation was carried out in the narrow valley immediately north-east of Xeropolis. The presence of water to the north is confirmed. In the course of excavating one of the trenches during this year's geoarchaeological investigation, a surprising discovery was made. This was the excavation – for the first time at Lefkandi – of Late Geometric burials. We excavated two burials, both children. This discovery clearly starts filling the gap that has existed in evidence about Late Geometric funerals.

The geophysical survey was conducted on the top of Xeropolis. The results are not only extremely interesting but also encouraging. The preliminary data obtained suggest a number of architectural features below the surface which help us to plan future excavations on Xeropolis. In Region II, where the geophysical survey was conducted, an intensive surface collection was also carried out. The study of the material from this survey will provide comparative data to assess the relationship of the density of finds on the surface with the results produced by the geophysical investigation.

Finally a rigorous study season was also conducted this year. It incorporated a number of projects: design and application of a database for the archaeological context (including excavation and architectural units, finds, environmental and other related information); design of a database for recording pottery units and their fabric; conservation of pottery and small finds from the excavations of 2003, 2004, and 2005; drawing of pottery and other finds and finally sorting of the residue material recovered from the soil flotation process in the excavations of 2003–5. In addition a number of areas excavated previously were studied in order to understand their stratigraphy and chronology.

Dr Tom Higham of the Research Laboratory for Archaeology and the History of Art at Oxford visited the site with the aim of investigating C14 dating opportunities for recently excavated and earlier faunal and floral material. Such prospects were judged to be plentiful and worthwhile in order to use the interpretation of radiocarbon dates in their archaeological and environmental contexts: work will be undertaken here.

Lefkandi Toumba Study 2005

Dr Irene S. Lemos (Director)

A study season was undertaken at the Museum of Eretria in the spring and summer of 2005. In the spring a number of specialists were involved in studying material from the Toumba cemetery. In particular Professor Hartmut Matthäus (University of Erlangen-Nürnberg) and Dr Gisela Schumacher-Matthäus (Westfälisches Museum für Archäologie, Münster) studied the metal vases. Dr Andrew Reyes (Groton and Oxford) studied the Near Eastern seals. In addition Dr Jonathan H. Musgrave (Bristol) and Mrs Sarah Musgrave examined the human remains of the cemetery, especially the cremation from T.79, while Sheilagh Crowther examined the animal remains, especially the horse-burials from the cemetery.

In the summer, Dr Jack Ogden returned to study the rest of the gold jewellery from Toumba. Professor Thilo Rehren (UCL) took a number of samples for scientific analyses from iron, bronze, glass, and faience objects. Youli Spantoudaki (Hellenic Centre of Ancient Textiles) and Christophe Mouherat (Louvre) had made their first inspection of the cloth from the main

burial under the Toumba building (the cloth is still kept in the National Museum).

Sponsors: The projects are funded by the Packard Humanities Institute and are conducted under the auspices of the British School at Athens

Birsay–Skaill Landscape Project

Dr D. Griffiths

This project was initiated in 2003, with the support of Historic Scotland and Orkney Islands Council, to explore the applications of applied landscape research (particularly geophysics) in areas of known archaeological potential, but limited and/or biased past data capture, in this case due to coastal erosion. At Birsay, the Point of Buckquoy was surveyed – this produced a number of promising multi-period targets for investigation. At Skaill, both the northern fringes of the Bay and the World Heritage Area around Skara Brae were investigated – several very promising targets for further work were revealed. Survey work in 2004 revealed up to three major multi-period foci in the form of settlement mounds around the north of the Bay of Skaill, one of which (the mound of ‘Snusgar’) was subjected to a 20 x 15 m test trench which revealed Viking Age stone structures in its upper layers.

Further survey and excavation in 2005 expanded the number of archaeological foci in the form of sand-enhanced settlement mounds along the north coast of the Bay of Skaill to seven, and Ground Penetrating Radar and exploratory excavation revealed a number of new targets. In a hitherto unpromising location some 60 m to the east of the existing fieldwork focus, excavation revealed a substantially preserved stone building with stone orthostatic ‘furniture’ intact which had been filled with windblown sand – further investigation is planned for 2006.

Sponsors: Historic Scotland, Orkney Islands Council, private donors to Kellogg College via Americans for Oxford

Early Occupation at Ille Cave, New Ibajay, Palawan, Philippines

Dr H.A. Lewis, Dr V. Paz (Manila), Mr W. Ronquillo (National Museum Philippines), Professor W. Solheim (Manila and Hawai’i), Mr J. Kress

Rescue excavations in 2004 and a first full field season of excavations in early 2005 revealed extensive cemetery deposits as well as 3 m depth of sediments, including a shell midden and deep burning deposits, previously dated to 5-15,000y BP. An early cremation burial, a series of hearths and rake-out deposits, a ‘decorated’ stone and a classic ‘Neolithic’ grave were amongst the highlights of the Late Palaeolithic-Neolithic levels. Studies of human, faunal, sediment, macrobotanical and pollen remains are under way. Test excavations within the cave revealed that the large cemetery extends deep into the rockshelter area. Potentially covering the entire Holocene and possibly older at the cave entrance, this site has great potential for information on later prehistoric landscapes as well as early occupation material in Island Southeast Asia.

Sponsors: British Academy, University of the Philippines, Mr J. Kress, ORADS

C. Fieldwork

The Sangro Valley Project Phase II, Italy

Management Committee including Dr G. Lock, Dr E. Bispham (University of Oxford), Dr N. Christie (University of Leicester), Dr S. Kane (Oberlin College, USA)

In collaboration with the Soprintendenza Archeologica dell’Abruzzo, the project is investigating settlement and economy in a region of south-central Italy concentrating on the later prehistoric to medieval periods. Work continues at Monte Pallano and at sites identified during the Phase I work.

Sponsors: British School at Rome, Craven Fund, Oxford University, Oberlin College

Sutton Courtenay

Dr H. Hamerow

Crop-marks, metal-detector finds and a magnetometry survey carried out by English Heritage indicate that this was the site of an early Anglo-Saxon cemetery, an eighth-century market, and a royal vill of the seventh or eighth century. Fieldwalking and four trial trenches in 2002 uncovered an Anglo-Saxon ‘Great Hall’, part of an Iron Age settlement, a Roman trackway and a Bronze Age execution burial. Post-excavation assessment was completed in the course of 2004–5, and the report – jointly written with Gill Hey and Chris Hayden of Oxford Archaeology, who are joint partners in the project – will be submitted to English Heritage in December 2005.

Sponsor: English Heritage

Wallingford and the Anglo-Saxon to Norman Transition

Dr H. Hamerow, Dr N. Christie (University of Leicester)

The project, led by Neil Christie from Leicester University, and involving archaeologists from Oxford, Leicester and Exeter focuses on the exceptionally well-preserved late Saxon *burh* defences at Wallingford, Oxon. and earthworks relating to the Norman castle. Wallingford is a key site for understanding Saxon planned town formation and the impact of the Norman take-over on town planning, yet remarkably little archaeological work has been undertaken here. In November 2004 a geophysical and topographical survey of the eastern flank of the town was undertaken in the hope of tracing the line of an eastern riverside defensive rampart. Unfortunately the survey proved largely negative, although this was not entirely unexpected given flood activity in this area. In parallel with fieldwork, work has been ongoing on the unpublished archives of castle area excavations from the 1960s and 1970s.

Sponsors: British Academy, Marc Fitch Fund, Medieval Settlement Research Group

Geo-archaeological investigations

Dr J.E. Scott-Jackson and members of the PADMAC Unit undertook an intensive and varied programme of fieldwork throughout the year (2004/2005), which included:

Rookery Farm, Lower Kingswood, Surrey
Dickett's Field, Yarnhams Farm, Alton, Hampshire
Dummer Clump, Dummer, Hampshire
West Farm, Popham, Hampshire
Swallick Farm area of Winslade, Hampshire

Sponsor: BusinessHR Solutions Ltd. (Palaeolithic Fund)

Palawan Island Prehistory Project

Dr H.A. Lewis, Dr V. Paz (Manila), Mr W. Ronquillo (National Museum Philippines)

The project aims to explore the landscape archaeology of Palawan Island, south Philippines. The island is an important location, sharing much geological, biological and archaeological history with the island of Borneo to the south. It holds one of the few 'early man' sites in the southeast Asian region (Tabon Cave, roughly comparable in date to Niah Cave 'deep skull' remains), as well as hundreds of other cave sites spanning the later Palaeolithic through Neolithic, Iron Age and historic occupation and cemetery deposits. This project is multifaceted, including carrying out geoarchaeological and archaeobotanical study of cave site deposits, and exploring the surrounding environs for evidence of prehistoric open-air occupation or other land uses. The various parts of the project to date include:

- 1) Excavation, landscape survey and sampling from Ille Cave, New Ibajay, Palawan (see 'Excavations'). In addition to the 2004–5 excavations, a preliminary survey of the immediate area was carried out in 2005 by students from the Archaeological Studies Program University of Manila.
- 2) Tabon Cave, Quezon, Palawan – In 2003 permission was obtained to record and sample sections from this famous cave site for soil micromorphology. These analyses have now been completed, with results supporting the original excavator's interpretations of cave history. The upper occupation layers showed a significant change in sedimentation, with quartz sand (presumably related to beach encroachment) suddenly becoming a dominant mineral in the cave deposits. This has been interpreted as possibly marking the mid-Holocene sea level rise. A paper on this has been accepted by *Geoarchaeology*.
- 3) Bataraza Area, South Palawan – Most work in this area was carried out in 2002–3, with a survey of the caves carried out by the Archaeological Studies Programme of the University of the Philippines. In 2004–5, a soil micromorphology study of the Karangkarang Rockshelter was completed. This will be published in *Hukay*.

Sponsors: British Academy, Coral Bay/Rio Tuba Nickel Mine, Manila University

Shovel Down Project

Dr H.A. Lewis, Dr J. Brück (UCD), Dr R. Johnston (Sheffield), Dr R. Fyfe (Exeter), Ms H. Wickstead (UCL)

This project began in 2003 with a joint field school and excavations, funded by the various universities. The project aims to investigate a section of the Dartmoor reaves in detail, with a focus on chronology and land use practices, in order to assess current models of the development

of the reaves system and the social meaning of this development. In 2004–5 we carried out a landscape-scale soil survey, recording profiles and sampling for studies of land use history from across the field system and from outside it. The aim is to build up a picture of the history of land use in various parts of the field system, as well as to provide a good background for the geophysical survey carried out in 2004, as the soils are very difficult regarding interpretation of magnetism information. We also ground-truthed some of our geophysics, which unfortunately revealed anomalies to be unrelated to the prehistoric archaeology.

Sponsors: Sheffield University, University College Dublin, University College London, British Academy, Dartmoor National Park, Devon County Council

Middle Jomon landscape assessment at the Sanka site, Niigata Prefecture

Dr H.A. Lewis, in collaboration with Dr S. Kaner (Sainsbury Institute), Dr L. Janik (Cambridge), Mr O. Nakamura (Kokugakuin), Mr T. Miyao (Niigata Prefectural Museum)

A preliminary visit to the Sanka site and surrounding region late in the 2004–5 academic year was successful in establishing an agreement for a landscape archaeology project based around Miyao's excavations at the Sanka Middle Jomon period site. A collaborative project joining detailed study of the Sanka site landscape with ongoing environmental archaeological studies of materials from a series of new and recently excavated sites in the prefecture will aim to build a picture of the changing landscapes of the Jomon period. In addition to the core landscape study area, a number of ongoing excavations were visited, and important project initiation meetings with museum directors were conducted.

Sponsor: Oxford Sasakawa Fund

Als Neolithic and Bronze Age Landscape, Denmark

Dr H.A. Lewis, Dr M.-L. Stig Sørensen (Cambridge), Dr S.J. Lucy (Cambridge Archaeological Unit), Dr C. Roughley (Cambridge)

Led by Drs Sørensen and Lucy, this is a long-term island survey project and field school. Most recently we have been excavating Neolithic megalithic graves and Iron Age sunken-featured dwellings, and we are currently carrying out micromorphological study of some of the latter deposits, aimed at characterizing use and history of Iron Age and later dwellings from Dyvig. A final season of excavation conducted in 2004 revealed a possible Roman Iron Age structure.

Sponsor: Cambridge University, McDonald Institute (Cambridge)

The ecological and chronological contexts of early modern human populations in Morocco

Professor R.N.E. Barton

In March–April 2005, four caves (Dar es Soltane I and II, Contrabandiers and El Mnasra) were investigated along the Moroccan Atlantic coast. Like the sites further north, they contain well-stratified cultural sequences and reveal excellent preservation of organic remains. Samples were recovered from key cultural horizons at each of the sites for a range of dating and environmental

studies undertaken in Oxford. The new work will provide the first detailed dating analyses of Middle and Upper Palaeolithic finds layers and associated early human fossils in this region.

As part of ongoing work at Grotte des Pigeons at Taforalt in north-eastern Morocco, the third season of excavations took place in September 2005. Investigation continued of the Late Upper Palaeolithic and Middle Palaeolithic levels of the cave. A particular objective was to collect palaeoenvironmental and dating samples from the early Middle Palaeolithic layers and from the area of the Late Upper Palaeolithic Iberomaurusian burials at the back of the cave. Investigations were also carried out at the nearby site of Grotte de Rhafas. Dating and environmental samples were taken for comparative purposes from levels believed to be broadly contemporary with those at Taforalt.

Sponsors: British Academy, Research Development Fund (Oxford University)

D. Publication programmes

The Le Yaudet Project (Côtes-d'Armor, Brittany)

Professor B. Cunliffe, Professor P. Galliou (Université de Brest), Ms E. Durham

Volume 2 of the excavation report (Prehistory to the Gallic Empire) was completed and is now in press for publication December 2005. The text of Volume 3 (Late Roman to the Present Day) has been completed and is now being translated into French for publication.

The Danebury Environs Roman Project

Professor B. Cunliffe, Ms E. Durham

The ongoing Danebury Environs Roman Project is being prepared for publication as the excavation of each site is completed. Specialist pottery reports have been produced together with a description of the settlement at Flint Farm.

King's Low and Queen's Low excavations

Dr G. Lock and members of the Stoke-on-Trent Museum Archaeological Society

The study and final publication of the six years of excavations at this pair of round barrows in North Staffordshire.

Sponsors: Stoke-on-Trent Museum Archaeological Society, City Museum, Hanley, Stoke-on-Trent

The Sangro Valley Project (Phase 1 publication)

Dr G. Lock, Dr N. Christie (University of Leicester), with Oxford ArchDigital Ltd.

Post-excavation, survey study and publication continue.

Sponsor: British Academy

Hillforts of the Ridgeway Project

Dr G. Lock, Dr C. Gosden, with Oxford ArchDigital Ltd.

The White Horse Hill and Segsbury Camp reports are published. Post-excavation work continues for Alfred's Castle.

Catalogue of Late Antique and Byzantine Antiquities in the Ashmolean Museum

Dr M. Mango

A comprehensive catalogue of the Ashmolean Museum's Byzantine and related collections extending chronologically from Late Roman gold glass, through Byzantine medieval metalware, ceramics, etc., to nineteenth-century Greek and Russian icons. The material will be divided into four volumes: 1. Metalware, 2. Jewellery and Gems, 3. Ceramics and Glass, 4. Painting and Sculpture. Compositional analyses by J. Henderson, C. Mortimer and P. Northover will be included.

Sponsors: History Faculty (Oxford); (Getty Grant Program)

The Hawkes Archive

Dr H. Hamerow

1. The *Novum Inventorium Sepulchrale*. Thanks to an AHRC Resource Enhancement grant, work is now ongoing with a team of four co-workers (Birte Brugmann, Debi Harlan, Michael Athanson and Colleen Cummings) to create an on-line database of drawings and photographs of Anglo-Saxon grave-goods from Kent (*The Novum Inventorium Sepulchrale*). The project will be completed in the summer of 2007.

Sponsor: AHRC

2. Work is also ongoing to edit and publish the Anglo-Saxon cemetery at Finglesham and the Iron Age settlement at Longbridge Deverill Cow Down. Finglesham will appear early in 2006.

Sponsor: English Heritage

The Janiculum Mills (Rome)

Professor Andrew Wilson

Work continues on preparing the final publication.

The Geo-archaeology of Rookery Farm, Lower Kingswood, Surrey: Towards a better understanding of a Palaeolithic high-level site on deposits mapped as Clay-with-flints

Dr J.E. Scott-Jackson and members of the PADMAC Unit

Deep ploughing after the Second World War revealed many Palaeolithic artefacts as surface-finds in the Rookery Farm area at Lower Kingswood, Surrey. Then, in the autumn of 1959 during the construction of a landfill site, an area on the edge of a small dry valley and the high-level plateau was cleared of topsoil exposing a Palaeolithic ‘knapping floor’. This site was subsequently covered with rubbish; however, an area 70 m to the west has continued to produce Palaeolithic artefacts both as surface-finds and excavated artefacts. Lower and Middle Palaeolithic stone-tools, evidence of the earliest occupation of Britain, are frequently found to be in association with deposits mapped as Clay-with-flints which cap the highest Chalk downland hilltops and plateaux of southern Britain. These superficial deposits exhibit great lithological variability on both a local and regional geographical scale. Field observations suggest that particular facies of deposits mapped as Clay-with-flints, in addition to the presence of solution features, may be implicated in the retention of Palaeolithic artefacts on these high-levels. Determining the integrity of this complex site has been a PADMAC Unit field project since 2002. The results of the Unit’s research will form the core of this publication.

Why be High? Alternative Location Modelling for a Palaeolithic site: The spatial analysis of Dickett’s Field, Yarnhams Farm, Hampshire

Dr W.B. Scott-Jackson, Dr J.E. Scott-Jackson

This paper explores the use of ‘Alternative Location Modelling’ (a spatial analysis technique) which can be used to model the geographical relationships between archaeological entities (here Dickett’s Field Palaeolithic site) in relation to their topographic environments. Viewshed grids (i.e. calculated areas that can theoretically be viewed from a specific point) were determined for each of the hypothetical locations and compared to the actual location of the Palaeolithic site in Dickett’s Field. If, under a given criteria, the actual location was more suitable than the hypothetical alternative, then the criteria may be accepted as relevant (i.e. possibly taken into account by the Palaeolithic people). However, if the actual location is less suitable than the hypothetical alternative, then that criteria may be rejected, that is to say, not considered as important by these hunter/gatherers.

An integrated grain-size and heavy-mineral analysis of the Palaeocene strata of the London Basin

Ms A.R.A. Thomas

In press: An integrated grain-size and heavy-mineral analysis of the Palaeocene strata of the London Basin. In: Mange, M.A. and Wright, D.T. (eds.), *Heavy Minerals in Use* (Developments in Sedimentology Series) (Elsevier).

Meols Project

Dr D. Griffiths, Dr R.A. Philpott (Liverpool Museum), with Dr G. Egan (Museum of London Archaeology Service)

Full publication of site history, and museum collections of material, from multi-period coastal trading site in north-west England.

The project advanced considerably towards completion during 2004–5, a digital archive of the artefactual material having been completed (held at Liverpool Museum). This will now be constructed as a web-based research resource by the AHDS. A group of specialists has been convened to analyse and write up the artefactual and topographical evidence. Texts of written contributions were assembled for review and editing – it will be published as an Oxford University School of Archaeology Monograph.

Biogeography of human colonisation and extinction in the Late Pleistocene of southern Iberia

Professor R.N.E. Barton

The Project, completed in 2005, analysed 170 cave and open-air locations in southern Spain and Gibraltar with Middle and Upper Palaeolithic occupation evidence. The results indicate that Middle Palaeolithic Neanderthals and Upper Palaeolithic modern humans may have had different habitat preferences and may therefore never have come into contact in this region. Using a combination of excavation, GIS and climate modelling it has been possible to verify that Neanderthal sites were linked to areas of greatest environmental stability, whilst modern humans seem to have exploited a range of cooler, drier environments. This would be consistent with the widely observed pattern of Neanderthals surviving very late in isolated pockets in southern Iberia, Croatia and the Crimea. The disappearance of these humans in this region seems to be linked with climatically induced fragmentation of Mediterranean wooded grasslands and wetlands between 40–30,000 years ago. The project has helped refocus new interest on the south European Neanderthals, their lifestyles and factors in their late survival.

The project concerning the Gibraltar Caves excavations is currently being prepared for a monograph, while a series of papers by Mr Jennings on wider aspects of his D.Phil. research will be written on completion of his thesis.

Sponsors: AHRC (including a research studentship), with additional financial support from the Leverhulme Trust and the British Council

Late Upper Palaeolithic & Mesolithic of Britain & Northwest Europe

Professor R.N.E. Barton

A chapter on the Mesolithic has been completed for a monograph on the Mesolithic occupation of the Severn Levels Wetlands (edited by Professor M.G. Bell).

Soil micromorphology of cultural deposits from cave sites in tropical Island Southeast Asia

Dr H.A. Lewis

A series of publications is at various stages of completion, including the publication of micromorphology results from Tabon Cave (*Geoarchaeology*), Niah Cave (Niah Cave volumes), Ille Cave and Karangkarang Rockshelter (*Hukay*) and North Luzon Caves (with A. Mijares in *Asian Perspectives*).

Sponsors: British Academy Committee for Southeast Asian Studies, Evans Fund, AHRB (for Niah Cave only, through G. Barker)

Wyke Down and Knowlton Environs

Dr H.A. Lewis, Dr C.A.I. French (Cambridge), Mr M. Green, Dr M. Allen (Wessex Archaeology), Dr R. Scaife, Dr J. Gardiner (Wessex Archaeology), Ms K. Gdaniec (Cams. Co. Council)

The final report of this study of the Cranborne Chase landscape is in preparation as a monograph to be published by the McDonald Institute of Archaeology. Submission is expected early in 2006.

Sponsors: British Academy, McDonald Institute (Cambridge), private donor

Soil micromorphology of later prehistoric soils in Denmark

Dr H.A. Lewis

A series of publications is under way to complete a programme of earlier research, including: 'Barrows and their landscapes in South Jutland: soil micromorphological approaches' (for volume on Skelhøj barrow excavations), 'Neolithic to Iron Age floors and buried soils from the Als Project' (for Als Project monograph), 'Bjerre Site 7 Bronze Age farmstead' (for Bjerre excavations monograph), 'Bronze Age cultivation and soil micromorphology in Denmark' (for *Journal of Danish Archaeology*).

Sponsors: Lejre Research Grants, Cambridge University

Landscape Archaeology

Dr H.A. Lewis, Dr S. Semple (Chester) (eds.)

An edited volume from the Landscape Archaeology lecture series 2003–5 is in preparation, with a third of contributions collected to date, and negotiations with publishers ongoing.

Sponsor: Institute of Archaeology (Oxford)

Military sculpture from Petra

Dr J.S. McKenzie, Professor Nicholas Sekunda (Torun, Poland)

This project involves preparation of a volume on the idiosyncratic military sculpture which was carved in relief on a number of monuments at Petra, both free-standing and rock-cut. Sekunda will discuss the armour and weapons and McKenzie is responsible for the architectural reconstructions. Further examples of now lost blocks have been discovered as a result of archival work.

Khirbet et-Tannur in the ASOR Nelson Glueck Archive

Dr J.S. McKenzie, Dr A.T. Reyes (Groton)

This project involves preparation for publication of the excavation finds and records from Glueck's 1937 excavations at Khirbet et-Tannur, Jordan, which are in the ASOR Nelson Glueck Archive in the Semitic Museum at Harvard University.

The first stage concerned the reconstruction of the temple complex to provide a reliable spatial context for the finds. That study also provided information about the Nabataean use of anthropomorphic cult statues.

The second stage involves the preparation of specialists' reports on Glueck's previously unstudied non-architectural finds. Further work on these has proceeded during the past year. As examination of the pottery in the archive in 2004 with Dr Stephan Schmid (Montpellier) revealed that the complete variety of sherds excavated in 1937 has been preserved, he has extended his study of the pottery to include Glueck's complete corpus, with the unpainted fine wares and the coarse wares. These provide information about the periods of use of the site and the types of activities there. Deirdre Barrett successfully completed her Ph.D. at Brown University on Nabataean lamps, which includes those from Khirbet et-Tannur. Archive co-ordination was done by Dr Joseph Greene (Semitic Museum, Harvard).

Sponsors: Wainwright Fund (Oxford), Semitic Museum (Harvard University), Dillon Fund (Groton School)

Ancient Alexandria Project

Dr J.S. McKenzie

The volume entitled *The Architecture of Alexandria and Egypt, c. 300 B.C.–A.D. 700* is in press, to appear in the Pelican History of Art Series of Yale University Press, London. This covers the monumental architecture of Alexandria, as well as the rest of Egypt, from Alexander the Great to soon after the Islamic conquest. It is based on the archaeological evidence as well as the written sources. It considers the topographical development of the city, building designs and architectural style of each period. It covers not only classical architecture, but also Egyptian temples and the architecture of Late Antique Egypt. It shows Alexandria played a previously unrecognized role as a major centre of architectural innovation from the Ptolemaic to the Byzantine period. A.T. Reyes contributed to the work on the Greek and Latin written sources.

Detailed explanations of reconstructions of the Ptolemaic and Roman phases of the Serapeum appeared in *Journal of Roman Studies* 2004, along with the implications of these designs for our understanding of the complex, a translation of Aphthonius' description of it (by A.T. Reyes), and an appendix (with G. Grimm) on the previously unpublished architectural fragments from the site. During the visit to Alexandria in March 2005 work was done on the sculpture found at the Serapeum site revealing patterns in the types of statues (both classical and Egyptian), their locations, and their destruction.

Papers on Late Antique Alexandria were presented in the Oxford Byzantine Art and Archaeology seminars, and at conferences at the Institute of Classical Studies of London University, the Central European University in Budapest, and at the Bibliotheca Alexandrina in Alexandria.

Sponsors: Craven Committee (Oxford), Dillon Fund (Groton School)

Post-classical Gems in Sir John Soane's Museum

Miss Gertrud Seidmann, photographs by R.L. Wilkins

The draft of the catalogue has been handed over to the Museum, and will be published by the Museum together with Dr Martin Henig's catalogue of the classical gems.

The life of Greville John Chester (1830 –1892), clergyman, traveller and collector, who became a major donor of antiquities to British institutions, notably the Ashmolean Museum, Oxford

Miss Gertrud Seidmann is working towards an M.Litt. dissertation and a publication.

Gezer VI: The Objects from Phases I and II

Dr Garth Gilmour

This volume will present for the first time all the small finds found during the eleven years of excavation at Tell Gezer in Israel from 1964 to 1974. The project directors were W.G. Dever (1964–1971) and J. Seger (1972–1974). Five stratigraphic volumes have already appeared, and two more are in preparation. The Gezer Object Volume (*Gezer VI*) will complement these by presenting an illustrated catalogue of all the objects, with discussions of their cultural implications and historical significance. It is scheduled for publication in 2006 as an Annual of the Nelson Glueck School of Biblical Archaeology at the Hebrew Union College, Jerusalem.

Sponsor: The Hebrew Union College

The 1923–1925 P.E.F. Excavations at the City of David, Jerusalem, Final Report

Dr Garth Gilmour

Research and publication of the Final Report on the Palestine Exploration Fund (P.E.F.) excavations from 1923 to 1925 in the City of David (Ophel), Jerusalem, directed by Professor R.A.S. Macalister and assisted by J.G. Duncan. The results of the P.E.F. excavations were

originally incompletely published in the *Annual of the Palestine Exploration Fund*, Volume IV, 1926. A fresh monograph containing a complete catalogue of artefacts, revised plans, and descriptions of the site and its significance will be published by the Palestine Exploration Fund in 2006/2007.

Sponsor: The Shelby White–Leon Levy Program for Archaeological Publications

The hillforts of England and Wales

Dr Ian Brown

Research on the archaeology of the hillforts of England and Wales. A contract from Windgather Press to write a book, which will form an introduction to the subject and fill a much-needed gap in the literature, for publication in 2007.

An Internet Atlas of the hillforts of Wales and the Marches

Dr Ian Brown

An atlas and gazetteer of the hillforts of Wales and the Marches is being constructed on the Internet. This will allow site and area information on hillforts and their surrounds to be searched, interpreted and mapped. The project is being financially supported by the Marc Fitch Fund.

Sponsor: Marc Fitch Fund

Archaeology in the Clwydian Range, North Wales

Dr Ian Brown

Follow-up work emanating from the 2002–4 book project, funded by the Welsh Assembly Government and Denbighshire County Council, on the general archaeology of the Clwydian Range.

Sponsors: Welsh Assembly Government, Denbighshire County Council

Research on Strata Florida Abbey

Dr Ian Brown

Continuing research work for the University of Wales, Lampeter on the Cistercian Abbey of Strata Florida, Ceredigion, Wales.

E. Corpora, Archives and Computing Systems

Corpus Signorum Imperii Romani

Dr M. Henig

Slight progress was made with the South-East fascicule, including tentative moves to see whether the project could be properly funded. Dr Henig reviewed the first fascicule of the new French project revising Esperendieu with no expense spared for photography, etc.

Sponsor: British Academy

Roman Gemstones in the Ashmolean Museum

Dr M. Henig, Dr A. MacGregor

This was finally published. It is hoped that this important collection is at last accessible.

Sponsors: Ashmolean Museum and Cast Gallery, School of Archaeology

Gemstones in the Sir John Soane Museum, London

Dr M. Henig, Miss G. Seidmann

Further progress was made with the primary catalogue.

Sponsor: Sir John Soane Museum

Constantine: York's Roman Emperor

Dr M. Henig, with E. Hartley, J. Hawkes and others

The catalogue, to be published by Ashgate, was written and is now in proofs. Dr Henig undertook key chapters on art and religion and wrote many of the entries on exhibits, as well as acting as one of the three editors. The major exhibition will open at the Yorkshire Museum, York in March 2005.

Sponsor: Yorkshire Museum, York

Celtic Coin Index

Dr Philip de Jersey

AHRB funding for the Celtic Coin Index ended in December 2004. During 2005 the Index has been maintained on a part-time basis by Dr Philip de Jersey while working on other archaeological projects. Discussions are under way with the Portable Antiquities Scheme to incorporate the CCI data on the PAS website.

Roman Provincial Coinage in the Antonine Period

Dr C.J. Howgego (Project Director), Dr V. Heuchert, Dr L. Yarrow

The aim is to produce a standard typology of the provincial coinage of the Roman Empire in the period AD 138–193, together with a commentary and introduction. The catalogue will be based on the ten most important and accessible collections in the world, and on all published material. This will be the first systematic treatment of the civic coinage at the height of the Roman empire, and will have great importance for the study of cultural, religious, political, economic, and administrative history at both a local and an imperial level. The database currently comprises 42,031 specimens from 12,743 types from 388 cities. It is intended to publish the catalogue as *Roman Provincial Coinage* vol. IV, through the British Museum Press and the Bibliothèque Nationale de France. In addition, a web-based publication, Roman Provincial Coinage Online, is being developed in collaboration with the University's Academic Computing Development Team. Roman Provincial Coinage Online will be available for public use in the first half of 2006.

Sponsors: AHRC, Academic Services (Oxford University), University Collections (Oxford University)

Money and Coinage before Alexander

H.S. Kim continues to work on the *Money and Coinage Before Alexander* Research Project with the help of Miss A. Dowler.

Sponsor: Stavros S. Niarchos Foundation

Sylloge Nummorum Graecorum Volumes 9 and 11

H.S. Kim

Volume 9 (Northern Asia Minor) is in an advanced state of preparation. The electrum coins were scanned in preparation for a future volume of SNG.

The excavation coins from the two early campaigns (1906–1910; 1924–1928) of the British School at Athens from Sparta

Dr Julian Baker

In excess of 4000 coins and related objects, spanning the entire spectrum from classical to modern Greek times, were unearthed at Sparta during the indicated campaigns. The aim of this project is the complete study and publication of this material.

Sponsor: British Academy

Monetary life in Later Medieval Constantinople

Dr Julian Baker

This project is designed around the rich holdings of the Numismatic Collection of the Archaeological Museum, Istanbul and in collaboration with its curator T. Gökyıldırım. The primary focus is on the hoarded and stray material from within the city itself which dates to the Palaiologan period (1261–1453). It comprises Byzantine, western-style medieval, and Ottoman issues.

Sponsor: British Institute of Archaeology at Ankara

Cross-Black Sea economic and political relations in the later middle ages in the light of numismatic data

Dr Julian Baker

Collaborative effort with Dr Ernest Oberländer-Târnoveanu, Chief Keeper of the Coin Room at the Romanian National History Museum, Bucharest.

Sponsor: British Academy Black Sea Initiative

Georges Tchalenko Archive Project

Dr M. Mango, L. Schachner

The Tchalenko Archive housed in the Institute of Archaeology contains the working notes, drawings, maps, up to 20,000 photographs and other papers of Georges Tchalenko who worked on Late Roman/Early Byzantine settlements and architecture in the archaeologically rich area of northern Syria for over 40 years. Much of this material was digitized and a database set up with the help of a grant made jointly to this and the Creswell Archive (Ashmolean Museum) by the Research and Equipment Committee (Oxford) in 1994. A new grant made by the same committee in 2000 and the provision of a new computer by the Committee for Byzantine Studies enabled the digitized Tchalenko material to be transferred to improved software so that the archive may finally be consulted on computer for research purposes. Further funding obtained (summer 2001) from sources at Oxford and abroad has provided for work concentrated on the database.

(Sponsors: Research and Equipment Committee, J. Sturm, St. John's College (Oxford))

Laskarina Bouras Archive Project

Dr M. Mango, Dr M. Parani

The project compiled an inventory of research materials on Byzantine metalwork left unpublished by the late Laskarina Bouras of the Benaki Museum in Athens. These papers are now housed in the Classics Centre, Oxford. They included a draft text by Dr Bouras on Early Byzantine lighting devices featured in an exhibition in Washington, DC, which has been prepared for publication and is now undergoing final editing.

(Sponsor: The A.G. Leventis Foundation, Paris)

Sevso Treasure Documentation Project

Dr M. Mango, Dr M. Parani

This project catalogued the photographic and other visual documentation of the Sevso silver treasure in order to make this material available to interested scholars. The material is housed in the Classics Centre, Oxford.

(Sponsor: Lane & Partners, London)

The Relational Museum

Professor C. Gosden

This project looks at the history of the Pitt Rivers Museum between its foundation in 1884 and 1945, the beginning of the end of the colonial period. We are looking at the sets of connections between people and objects set up through the museum's collections and the manner in which these changed through time. The project involves analysis of the museum's computerized databases and of archival material.

Sponsor: ESRC

Phase 2 GIS, Internet database and network development

PADMAC Unit

Phase 2 of the PADMAC Unit's Geographical Information System (GIS) involves web-enabling the databases through a new PADMAC Unit network so that researchers can access and update a single version on the Unit's server via the internet.

Sponsor: Oxford Strategic Consulting Ltd.

4.2. *Research Sponsors*

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- Biogeography of human colonisation and extinction in the Late Pleistocene of southern Iberia (Institute)

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- Roman Gemstones in the Ashmolean Museum (Institute)

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- Soil micromorphology of cultural deposits from cave sites in tropical Island Southeast Asia (Institute)
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- Wallingford and the Anglo-Saxon to Norman Transition (Institute)
- Palawan Island Prehistory Project (Institute)
- Shovel Down Project (Institute)
- The ecological and chronological contexts of early modern human populations in Morocco (Institute)
- Wyke Down and Knowlton Environs (Institute)

British Council

- Biogeography of human colonisation and extinction in the Late Pleistocene of southern Iberia (Institute)

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- Elemental analyses of patination and staining effects on flint specimens from the PADMAC Unit sites (Pitt Rivers)
- Field investigations and sedimentological analysis of deposits mapped as Clay-with-flints (Pitt Rivers)
- The genesis, variability and distribution of the deposits mapped as Clay-with-flints (Pitt Rivers)
- Geo-archaeological investigations at Rookery Farm, Lower Kingswood, Surrey; Dickett's Field, Yarnhams Farm, Alton, Hampshire; Dummer Clump, Dummer, Hampshire; West Farm, Popham, Hampshire; Swallick Farm area of Winslade, Hampshire (Pitt Rivers)

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Oxford Sasakawa Fund

- Middle Jomon landscape assessment at the Sanka site, Niigata Prefecture (Institute)

Oxford Strategic Consulting Ltd.

- Soil samples from Lower Kingswood and Banstead Heath, Surrey (Pitt Rivers)
- Phase 2 GIS, Internet database and network development (Pitt Rivers)

Oxford University

- The Vale and Ridgeway Project: Excavations at Frilford, south Oxfordshire (Institute)
- Excavations in the Roman Forum (Rome) (Institute)
- The Sangro Valley Project Phase II, Italy (Institute)
- Late Upper Palaeolithic & Mesolithic of Britain & Northwest Europe (Institute)

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- Lefkandi-Xeropolis 2005 (Institute)
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Welsh Assembly Government

- Archaeology in the Clwydian Range, North Wales (Institute)

Yorkshire Museum, York

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WILSON, A.I., BENNETT, P., BUZAIAN, A.M., BUTTREY, T., FELL, V., FOUND, B., GÖRANSSON, K., GUINNESS, A., HARDY, J., HARRIS, K., HELM, R., KATTENBERG, A., TÉBAR MEGIAS, E., MORLEY, G., MURPHY, A., SWIFT, K., TWYMAN, J., WOOTTON, W. and ZIMI, E. 2004: Euesperides (Benghazi): Preliminary report on the Spring 2004 Season. *Libyan Stud.* 35, 149–90.

WILSON, L. and POLLARD A.M. 2005: Evaluating Preservation *In Situ*: current research investigating diagenetic pathways in selected archaeological materials, using soil solution chemistry and geochemical modelling approaches. In Kars, H. and Burke, E. (eds.), *Proceedings of 33rd International Symposium on Archaeometry, 22–26 April 2002, Amsterdam* (Amsterdam, Vrije Universiteit, Geoarchaeological and Bioarchaeological Studies 3), 559–63.

WINTON, V. 2005: An investigation of Acheulian knapping skill development in the manufacture of Palaeolithic handaxes. In Roux, V. and Bril, B. (eds.), *Stone Knapping: The Necessary Condition for a Uniquely Hominid Behaviour* (Cambridge, McDonald Institute).

WOOD, N. 2005: Local materials and their usefulness in glazes. In Sutherland, B., *Glazes from Natural Sources* (London and Philadelphia), 1–12.

WOOD, N., DOHERTY, C. and RASTELLI, S. 2005: Some aspects of Yue ware production at Shanglinhu in the late Tang dynasty. *Gu Taoxi Kexue Jishu 6: ISAC '05* (Shanghai), 185–98. (*English with Chinese abstract.*)

WOOD, N., TITE, M. and DOHERTY, C. 2005: A technological examination of two Abbasid blue-and-white shards from Iraq, and their comparison with Chinese blue-and-white wares of the 8th–9th Cs AD. *35th International Symposium on Archaeometry (35th ISA)* (Beijing), 142–3 (Short version).

6. RESEARCH STUDENTS STUDYING ARCHAEOLOGY IN 2004–2005
(at Trinity Term 2005)

M.Litt./D.Phil candidates

- | | | |
|---|--|--------|
| X | Alzola-Romero, Aaron (St Peter's)
Revisiting Celtiberian and Iberian Ethnicity : Material Culture and Identity
Gosden, C./Cunliffe, B.W.
2003 | D.Phil |
| X | Bagnall-Smith, Jean (St Cross)
Votive objects from temple sites in Roman Britain south of the Fosse Way
Henig, M.
1994 | D.Phil |
| X | Bailey, Diana (Keble)
Developments in the precision and accuracy of optically stimulated luminescence
Bailey, R.M.
2002 | D.Phil |
| X | Bale, Louise (Keble)
Identity, cultural contact and transformation : the case of Mallorca, 800–123 BC
Cunliffe, B.W.
2003 | PRS |
| X | Baron Tacla, Adriene (St Cross)
Sacred sites and power in West Hallstatt Chiefdoms
Cunliffe, B.W.
2001 | D.Phil |
| X | Bartlett, Jaime (Wolfson)
Trade, routes and transport in southern Britain and northern France during the Neolithic,
Bronze and Iron Ages
Cunliffe, B.W.
2000 | D.Phil |
| X | Bobou, Olympia (Keble)
Statues of Children in the Hellenistic Period
Smith, R.R.R.
2002 | D.Phil |
| X | Bouchard, Dominique (Lincoln)
Greek antiquities in Calabria, Basilicata and Publia : excavation, collection and
scholarship
Kurtz, D.C.
2001 | D.Phil |

- X Dennis, Megan (The Queen's) D.Phil
Silver in late Iron Age East Anglia : a study of archaeological contexts
De Jersey, P./Northover, P.
2001
- X Dimopoulous, Johanna (Exeter) D.Phil
Byzantine Sgraffito wares, 11th–15th centuries
Mango, M.
2000
- X Draycott, Catherine (Wolfson) D.Phil
Images and Identities in the Funerary Art of Western Anatolia, 600–450 BC
Smith, R.R.R.
2002
- X Galanakis, Ioannis (Keble) D.Phil
Late Bronze Age Tholos Tombs in the Aegean, 1700–1200 BC
Bennet, J.
2003
- X Gallagher, John (University) D.Phil
Early Bronze 3 to Middle Bronze 2b Knossos in context
Bennet, J.
2003
- X Gardner, Paul (The Queen's) PRS
Reusing Roman Monuments in Arles and Nîmes: Heritage Politics and the Contemporary
Use of Ancient Places of Performance
Gosden, C.
2002
- X Gray, Angela S. (St Hilda's) D.Phil
Study of consumption patterns and mortuary analysis in Late Bronze Age/Early Iron Age
Aegean
Nixon, L.
1998
- X Green, Thomas (Exeter) D.Phil
British-Anglian relations in North Lincolnshire
Hamerow, H.
2002
- X Guy, Gwyneth (St Cross) PRS
John Abel 1577–1674, carpenter and 'architector'
Airs, M.
2003

- X Haak, Abigail (Lincoln) D.Phil
Roman epigraphy in Asia M
Bowman, A.K.
2002
- X Hatton, Gareth (Keble) D.Phil
The production of technology of Egyptian Blue
Shortland, A./Tite, M.
2000
- X Hatzivassiliou, Eleni (Merton) D.Phil
Iconographical Themes in Attic Black-Figure Vase-Painting between 510 and 475
Kurtz, D.C.
2001
- X Haysom, Matthew (Keble) D.Phil
An Archaeology of Minoan Religion in the Neopalatial Period
Parker, R.
2000
- X Henry, Philippa A. (Wolfson) D.Phil
The changing scale and mode of textile production in Late Saxon England
Henig, M.E.
1994
- X Hull, Bradley (St Cross) D.Phil
Social Differentiation and Diet in Early Anglo-Saxon England: Stable Isotope Analysis of
archaeological human and animal remains
Hedges, R./Hamerow, H.
2004
- X Hsu, Chin-Lia (Wolfson) D.Phil
Techniques of Red-figure Vase-painting in Late Sixth- and Fifth-century Athens
Kurtz, D.
2003
- X Jarrar, Sabri (St Cross) PRS
The Haram al-Sharif in Jerusalem under Ayyubid Rule 1187–1260
Raby, J.A.
1999
- X Jennings, Richard (St John's) D.Phil
The human occupation of southern Iberia in the late Pleistocene
Barton, N.
2003

- X Johnson, Tony (Keble) D.Phil
The Long Term Dynamic Influence of Human Activity on Topsoil Magnetic Susceptibility
Tite, M./Allsop, A.
2002
- X Kalaitzi, Myrina (Brasenose) D.Phil
Commemoration of the dead in Ancient Macedonia from the 5th until the 2nd Century
Smith, R.R.R.
2002
- X Kamash, Zena (Magdalen) D.Phil
The management and control of water in the Roman Near East, 63 b.c.–a.d.636
Wilson, A.
2001
- X Kazan, Georges (St John's) PRS
Cult of relics at Constantinople
Mango, M.
2004
- X Kiely, Tom (Wolfson) D.Phil
The Relationship between Cemeteries and Settlements in the Late Cypriot Bronze Age and Early Iron Age (1600–950 BC)
Sherratt, E.S.
1993
- X Kinoshita, Hiromi N. (Somerville) D.Phil
Liao (906–1125) Qidan Tombs and their Material Culture : A Reflection of Hybrid Culture
Rawson, J.M.
1998
- X Kominko, Maja (Exeter) PRS
The sources of the miniatures of the Christian Topography of Cosmas Indicopleustes
Mango, M.
2002
- X Krasnopolskaya, Serafima (Exeter) PRS
Narrative Cycles of native Russian Saints
Mango, M.
2003
- X Kropp, Andreas (Lincoln) D.Phil
The archaeology of client kings in the Roman Near East
Smith, R.R.R.
2003

- X Landau, Amy (Wolfson) PRS
Babiae, S./Raby, J.A.
2000
- X Lang, Alexander (Hertford) PRS
The Iron Age archaeology of the upper Thames valley and North Oxfordshire, with
especial reference to the eastern Cotswolds
Cunliffe, B.
2004
- X Lee, Ji-Eun (St Hilda's) D.Phil
The City and Euergetism in the Second and Third centuries AD
Bowman, A.K.
2001
- X Lianta, Eleni (Exeter) D.Phil
The Contribution of Byzantine Coinage 1204–1453 to the Political, Cultural and
Economic History of the Period
Mayhew, N.
2001
- X Martin, Caroline (Wolfson) PRS
Feasting in the LBA and Iron Age
Gosden, C.
2003
- X McCullagh, James (University) PRS
Development and Application of New Techniques for the Separation and Isotopic
analysis of Amino Acids from Ancient Materials
Hedges, R.
2003
- X Meredith-Goymour, Hallie (Lincoln) PRS
Contextualising open-work vessels : artisans and consumers in Late Antiquity
Elsner, J.
2002
- X Methenitis, Constantinos (Merton) PRS
Early monumental architecture in the Levant, Greece and Italy
Coulton, J.
2003
- X Meyer, Hans (Wolfson) D.Phil
The Discovery, Collection and Scholarship of Classical Antiquities in Russia, 1697–
1917
Kurtz, D.C.
2001

- X Miles, Daniel (Hertford) D.Phil
The refinement of dendrochronology techniques in the study of oak building timbers
in mainland Britain
Ramsey, C.B.
2001
- X Mottino, Benedetta (University) PRS
Developments in Early Christianity in North China as illustrated by brick-built tombs in
Southern Shanxi
Rawson, Dr J.
2003
- X Nathan, Roger (St Hugh's) D.Phil
Dosimetry Studies in Luminescence dating
Stokes, S.
2000
- X Olivier, Marcelle (Keble) PRS
The LSA of the Luangwa Valley, Zambia
Mitchell, P.
2004
- X Papagiannaki, Anthousa (Keble) D.Phil
Byzantine ivory caskets with secular decoration, 9th–12th Centuries
Mango, M.
2001
- X Papaioannou, Theodore (University) PRS
Transport amphorae and the Economy of Western Asia Minor
Mango, M.
2003
- X Patrick, Thomas (Wolfson) PRS
Distribution of Corinthian Pottery
Kurtz, D.C.
2003
- X Pouncett, John (St John's) PRS
Lithics and Landscape
Gosden, C./Lock, G.
2002
- X Price, Megan (Wolfson) D.Phil
Town and Gown, Amateur and Academic Archaeology in Oxford 1850–1920
Gosden, C.
2001

- X Reynard, Linda (Linacre) PRS
Application of Stable Hydrogen Isotope Analysis to the Study of Ancient Diet
Hedges, R.
2003
- X Ristovska, Natalija PRS
Pathways of artistic interchange : circulation of high-value goods in Byzantium (9th–15th
Centuries)
Mango, M.
2002
- X Robinson, Thurstan (The Queen's) D.Phil
Settlement in Graeco-Roman Pisidia : A Study of Sia, Ariassos and their territories
Coulton, J.J.
1996
- X Saunders, David (Lincoln) PRS
Representations of the dead and dying in Greek art
Kurtz, D.C.
2001
- X Schachner, Lukas (St John's) D.Phil
Economic Productivity of Monasteries in the Byzantine Near East, 300–800 AD
Mango, M.
2001
- X Shin, Ji (St Cross) PRS
Carbon and nitrogen stable isotope analysis of humans and animals from Korean
Neolithic
(Chulmun to Mumun) period
Hedges, R.
2002
- X Skaltsa, Styliani (Merton) D.Phil
Hellenistic gymnasia
Coulton, J.
- X Stevens, Rhiannon (Oriol) D.Phil
Study of ancient diet using isotopic molecular information
Hedges, R.
2000
- X Stewart, Brian (St Hugh's) D.Phil
Refitting the Past : Dunefield Nidder, South Africa
Mitchell, P.

2002

- X Swift, Keith (St Peter's) D.Phil
Ancient Greek coarsewares from Euesperides, Libya
Wilson, A.
2001
- X Symonds, Matthew (Christ Church) D.Phil
The design and purpose of fortlets in the Western Roman Empire
Wilson, A.
2003
- X Szeverenyi, Vajk (St Cross) PRS
Material culture and social identities in East Central Europe c2400–1400 BC
Sherratt, A.S.
2000
- X Teo-McKinney, Catherine (St Anne's) PRS
A Study of the Origins of the Peony Motif as documented by Dated Tombs(1st–2nd
Century AD)
Rawson, J.M.
2001
- X Walker, Marshall (Lady Margaret Hall) D.Phil
An art historical approach to Early Christian Sarcophagus of Late Antiquity
Elsner, J.
2001
- X Walton, Marc (Linacre) D.Phil
The dissolution-diffusion model of archaeological lead glaze formation
Tite, M.S./Shortland, A.J.
2000
- X Wootton, William (Wolfson) D.Phil
Techniques of mosaic production in the Roman world
Smith, R.R.R.
2002
- X Yeates, Stephen (St Cross) D.Phil
Community territory and identity defining religion in the lower Severn Valley and the
adjacent hills from the Iron Age to the Early Medieval period
Henig, M.E.
2001
- X Zarmakoupi, Mantha (St John's) PRS
Villae Expolitae: Aspects of the Architecture and Culture of Roman Country Houses on
the Bay of Naples (c.100 BCE–79 CE)
Robinson, D.
2003

M.Phil. candidates

- X Causey, Michael (St Hugh's)
Landscape
Barton, N./Lock, G.
2003
- X Diatsigkou, Evgenia (Keble)
Classical
Smith, R.R.R.
2003
- X Forster, Elizabeth (Keble)
Landscape
Lock, G.
2004
- X Glicksman, Kristina (Exeter)
Classical
Wilson, A.
2003
- X Montgomerie, Elizabeth (St Hilda's)
Classical
Mango, M.
2003
- X Prins, Eric (Keble)
Classical
Bennet, J.
2003
- X Rowlands, Edward (Keble)
Classical
Bendall, L.
2003
- X Smith, Lucy (Lincoln)
Classical
Coulton, J.
2003
- X Watanabe, Mitsuko (Worcester)
Landscape
Gosden, C.
2004

X Wadeson, Lucy (University)
Classical
McKenzie, J.
2003

M.St./M.Sc. candidates

X Sally Brewer (Wolfson)
European
Hamerow, H.
2004

X Simon Gregory (Wolfson)
Classical
Kurtz, D.
2004

X Rebecca Warren (Keble)
Archaeological Science
Hedges, R.
2004

X Luisa Materassi (Wolfson)
Classical
Kurtz, D.
2004

X Victoria Kennedy (Wolfson)
Classical
Lemos, I.
2004

X Jason Mander (Worcester)
Classical
Henig, M.
2004

X Agnieszka Napierala (Wolfson)
Classical
Bendall, L.
2004

X Konstantina Panousi (Merton)
Classical
Smith, R.R.R.
2004

- X Amy Sewell (Balliol)
Classical
Robinson, D.
2004

- X Catherine McCullagh (Keble)
European
Hamerow, H.
2004

- X Neil Pullen (Linacre)
European
2004

- X Karina Meza (Wolfson)
World
Gosden, C.
2004