

ARCHAEOLOGY
at
OXFORD

Report of the School of Archaeology
2003-2004

University of Oxford

Contents

1. **CHAIRMAN'S REPORT FOR THE YEAR 2003-2004**
2. **THE UNIVERSITY'S ARCHAEOLOGICAL UNITS**
 - 2.1. *Under the School of Archaeology*
 - Institute of Archaeology**
 - Research Laboratory for Archaeology and the History of Art**
 - The Donald Baden-Powell Quaternary Research Centre** (Institute of Archaeology)
 - PADMAC Unit (Unit for the study of Palaeolithic artefacts and associated deposits mapped as Clay-with-flints)** (Pitt Rivers Museum)
 - The Oxford Centre for Maritime Archaeology** (Institute of Archaeology)
 - 2.2. *Under other departments*
 - Cast Gallery** (Ashmolean Museum)
 - The Beazley Archive**
 - Department of Antiquities** (Ashmolean Museum)
 - Heberden Coin Room** (Ashmolean Museum)
 - Environmental Archaeology Unit** (University Museum of Natural History)
 - Materials Science-based Archaeology** (Department of Materials)
 - Department for Continuing Education**
 - 2.3. *General activities*
 - Seminars, Lectures and Conferences**
 - Publishing Activities**
3. **REPORTS FROM PERMANENT ACADEMIC STAFF**
4. **RESEARCH PROJECTS IN PROGRESS**
 - 4.1. *Summary Accounts of Projects*
 - A. **Scientific investigations**
 - B. **Excavations**
 - C. **Fieldwork**
 - D. **Publication programmes**
 - E. **Corpora, Archives and Computing Systems**
 - 4.2. *Research Sponsors*
5. **PUBLICATIONS**
6. **RESEARCH STUDENTS STUDYING ARCHAEOLOGY IN 2003-2004**

1. CHAIRMAN'S REPORT FOR THE YEAR 2003-2004

This has been a year of very considerable change for the School with a significant movement among the staff. Margareta Steinby, Mike Tite and Jim Coulton retired at the end of the academic year while John Bennet resigned to take up a Chair at Sheffield. In their places we welcome Andrew Wilson to his appointment to the Chair of Roman Archaeology, Mark Pollard from Bradford who has taken the Edward Hall Chair of Archaeological Science, Irene Lemos from Edinburgh who becomes the Reader in Classical Archaeology and Lisa Bendall from Cambridge who is the new Lecturer in Aegean Prehistory. But the musical chairs do not end there! Andrew Wilson's elevation left the lectureship in Roman Archaeology free and to this we welcome Janet DeLaine who joins us from Reading. One final complication - the award to Andrew of a two-year Leverhulme Fellowship has enabled us to appoint Damian Robinson to take over his lecturing and teaching duties during this period. To our old colleagues we wish them an invigorating new life and to our five new colleagues we look forward to working with them in a range of new collaborative ventures. Times of change present exciting new opportunities and to these we all eagerly look forward.

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 E.M. Steinby, Professor of the Archaeology of the Roman Empire

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

Research Assistants

Ms E. Harrison
Dr A. Leone

British Academy Postdoctoral Research Fellow
Dr J. Shaw

Career Development Fellow in Archaeology
Dr S. Semple

Visiting Lecturers

Dr M. Henig
Mr R. Thomas

Honorary Research Associates

Dr P. Armstrong
Dr M. Ballance
Dr T.W. Bell
Dr D. Briggs
Dr E. Cameron
Dr T.L. Evans
Dr G. Gilmour
Mr T. Hassall
Dr P.M. Kenrick

Dr J. McKenzie
Dr F. Menotti
Dr S. Milliken
Mr K.S. Painter
Dr R. Prentice
Miss G. Seidmann
Dr S. Sherratt
Dr J. Toms

Research Staff

Dr P. de Jersey (Celtic Coin Index)

The Institute of Archaeology had more than its fair share of farewells during 2004: John Bennet and Debi Harlan departed for new careers in Sheffield; Jim Coulton and Margareta Steinby retired; and our Career Development Fellow, Sarah Semple, saw her career develop to such an extent that she now has a lectureship in Chester. These friends and colleagues enriched life at the Institute in countless ways and all will be greatly missed. We have, however, also been able to welcome several new members: Lucy Palmer joined us as Administrative Secretary, while Pat Millett is acting Financial Assistant while Joy Hindson is on maternity leave. John Bennet and Gary Lock each spent a term as Director of the Institute while Helena Hamerow was on maternity leave (there were a record-breaking three 'Institute babies' born during 2003-4, as Andrew Wilson and Joy Hindson also became parents within a few weeks of each other!).

The Institute continues to accommodate a number of major Research Projects, including the Hillforts of the Ridgeway Project (now occupying its own room), the Tchalenko Archive Project, the Celtic Coin Index and the 'Pioneers of Island Melanesia' Project. It also continued to provide a venue for a wide range of symposia and seminar series. This was the first year in which the Donald Baden-Powell Centre for Palaeolithic Research and the Oxford Centre for Maritime Archaeology were associated with the Institute. Accounts of the Centres' activities may be found below. Continuous work was carried out on the Institute's archive.

The Institute also provided a base for a number of academic visitors: Dr Adi Ehrlich (Bar-Ilan University, Israel), Susan Reyero (Madrid University), Dr Birte Brugmann (Mannheim), Pier Luigi Tucci (Rome), and Professor Juko Ito (Kumamoto University, Japan). Our Honorary Research Associates (now totalling 17) continue to contribute to the intellectual and social life of the Institute.

Upgraded digital and scanning facilities in Photography and Graphics are now in regular use and the new booking system is working well; the new digital projectors in the Lecture and Seminar Rooms are also increasingly in use. In addition to our regular updating of computing facilities, the latest version of the GIS software, ArcView, has been installed in the Advanced Computing Room. Some badly-needed refurbishment of the Lecture Room was also undertaken.

Research Laboratory for Archaeology and the History of Art

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

Professor M.S. Tite, Director, Edward Hall Professor of Archaeological Science
Professor R.E.M. Hedges, Deputy Director, Professor of Archaeological Science

Research Assistants

Dr A. Allsop
Dr P. Ditchfield
Mr C. Doherty
Ms B. Emery
Ms J. Hamilton
Dr T. Higham
Dr H. Kjeldsen

Dr T. O'Connell
Dr A. Pike
Dr C. Ramsey
Dr A. Shortland
Dr J.-L. Schwenninger
Dr M. Yoneda

Honorary Research Associates

Dr N. Easthaugh
Dr B.J.J. Gilmour

Professor T. Molleson
Professor N. Wood

The Research Laboratory has continued to undertake research in radiocarbon dating, uranium-series dating, luminescence dating, ceramic and vitreous materials studies, and biomolecular archaeology. The publication highlight of the year has been to have two papers in *Nature* with members of the Laboratory (Hedges and Higham) as co-authors. For 2003-2004, the M.Sc. in Archaeological Science has been taught with six students registered for the course.

The high output of the Radiocarbon Accelerator Unit has been maintained with the new accelerator mass spectrometer system now being fully operational. Notable dating projects have included further work on the volcanic eruption at Thera, the documentation of the Late Pleistocene extinctions of large megafauna across Eurasia, and collaboration with the Ancient Biomolecules Centre on aDNA programmes to elucidate the phylogenetic history of North American fauna. During the year, Dr Ramsey took over from Professor Hedges as the Director of the Unit.

The throughput during the past year of luminescence dating service has been increased from 25 to 36 projects that have included samples from both archaeological and palaeo-environmental contexts. Among the more high profile sites dated were Avebury, Old Scatness Broch on Shetland and the Long Man of Wilmington, each of which has featured in television documentaries. During the year, Dr Schwenninger took over from Dr Rhodes as Director of the service. In collaboration with the Australian National Laboratory, Canberra, laser ablation mass spectrometry has now been successfully applied in the uranium-series dating of bone, dates being obtained for hominids from Africa and the Near East.

Palaeodietary studies based on stable isotope measurements have continued with measurements on material from the Near East, Anatolia and Europe, and the development of compound specific measurements of amino-acids.

Work has continued on the technological innovations associated with the production of glass and associated vitreous materials (faience and Egyptian blue) from Egypt, the Near East and the Aegean during the period from about 1500-1000 BC, with an emphasis on the colorants and plant ashes employed. The technological study of Roman lead glazed pottery has been extended to include later Byzantine, Islamic and Chinese lead glazed pottery. The project on the exploitation of gabbroic clays from Cornwall during the Bronze Age and Iron Age has now been brought to a successful conclusion.

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

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

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

Following Professor Roe's retirement in 2003, the Centre was transferred to the Institute of Archaeology in Beaumont Street. Dr Barton oversaw the transfer of artefacts, archive and books and liaised with the Pitt Rivers Museum and the Oxford Natural History Museum over the most appropriate deposition of some of the collections, formerly in the care of the Centre when it was accommodated by the Pitt Rivers Museum. Pictures kindly donated by Professor Roe now adorn the walls of the new Centre and Derek's own considerable paper archive concerning the study of handaxes has been housed temporarily at the Institute before it is transferred to a permanent home in the Ashmolean Museum.

Dr N. Phoca-Cosmetatou, British Academy Postdoctoral Research Fellow, continued to be associated with the Centre and this year was appointed to a Junior Research Fellowship at Keble College.

A seminar series was held in Hilary Term with the help of a grant from the School of Archaeology, and was greatly assisted in its organization by Dr V. Winton. Professor G. Clark of the University of Arizona also gave a special guest lecture in February.

The Donald Baden-Powell Quaternary Research Centre continues to thrive and provides a focus for teaching and research of Palaeolithic archaeology and related Quaternary sciences. Three major long-term research projects are currently based at the Centre: Nick Barton's NERC project *Environmental Factors in Human Evolution and Dispersals in the Upper Pleistocene of the Western Mediterranean*, his AHRB project on *Biogeography of human colonisation and extinction in the Late Pleistocene of southern Iberia*, and a joint project with Dr C. Price and Dr M.J. Street (RGZM Mainz Museum, Germany) on *Small mammals and Lateglacial environments in North West Europe*. In addition to developing research partnerships with the Departments of Geography and the Research Laboratory for Archaeology and the History of Art, the projects involve the work of over 30 participating Quaternary specialists from UK universities and museums, and has links with the Australian National University, Mohammed VI University in Rabat and the Museum of Gibraltar. The projects support two full-time D.Phil. research studentships (Mr R. Jennings and Mr S. Ward) and a Post-Doctoral Research Associate (Dr C. Price).

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

Dr V. Winton, PADMAC Unit, Post-doctoral Research Fellow

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

Dr W.B. Scott-Jackson, PADMAC Unit Associate Research Fellow (also Department for Continuing Education)

Dr P. Horlicks, PADMAC Unit Associate Research Fellow

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 continued as the PADMAC Unit Director (specializing in geology, sedimentology, geomorphology and Palaeolithic archaeology) with responsibility for the research agenda, training, fieldwork, management and fund raising.

Dr Helen Walkington, the Unit's pedogeomorphologist, has been engaged throughout the year in the collection and post-excavation analysis of soil samples. From March 2004 she also became a senior lecturer at Brookes University, Oxford.

Dr Vicky Winton continued her post-doctoral research in Palaeolithic artefact technology at the PADMAC Unit until September 2004 (she is now an Associate). During the past year she recorded and analysed Palaeolithic artefacts found in association with deposits mapped as Clay-with-flints from Rookery Farm, Surrey and Dickett's Field, Hampshire. She formatted her thesis for publication by British Archaeological Reports and gave a seminar on 'Handaxes and Butchery - some experiments' to undergraduates at University of Wales (Newport).

Ms Alice Thomas (PADMAC Unit/Earth Science, 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 William B. Scott-Jackson (PADMAC Unit/Continuing Education, M.Sc. student: Applied Landscape Archaeology) produced: GIS database mapping, viewshed analyses and

section susceptibility mapping for the PADMAC Unit's areas of interest. He also investigated relevant historical sources and aerial photographs.

Dr Penny Horlick continued to record details of the Palaeolithic artefacts from the Unit's teaching site at Dickett's Field, Yarnhams Farm, Hampshire into a relational database. The distribution patterns of these artefacts will then be determined through the use of spatial analysis and geographical information systems.

An additional PADMAC Unit activity this year has been the instigation of the specialist seminars/workshops. In December Dr William Scott-Jackson gave a seminar on 'Magnetic Susceptibility - the application to archaeological investigation' and in January, a workshop on the 'Magnetic Susceptibility of the Dickett's Field soils'. Dr Vicky Winton conducted a 'Flint knapping' workshop in July. Similar sessions are planned for 2005.

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 was set up as a collaboration with the European Institute for Maritime Archaeology and is funded by the Hilti Foundation. The Centre has brought together Institute of Archaeology staff and students to study material from the collaboration's excavations in the eastern port of Alexandria and the submerged Canopic region (Egypt).

In addition to three full-time D.Phil. students working on the statuary, bronze objects and jewellery, the Centre has involved staff and students from the Oriental Institute and the Ashmolean Museum. A collaboration is also under way with the British Museum involving the study and publication of coins from the excavations.

The Centre currently has four volumes in the editing phase for publication in 2006 by the Institute of Archaeology's monograph series (including monographs and a conference proceedings). The Centre organized and hosted a 2004 conference on the ancient city of Alexandria and is currently organizing a second conference in Berlin to coincide with the opening of an international exhibition of the collaboration's excavated material. Twelve Oxford University staff and students are contributing studies to the exhibition catalogue.

A further conference on postgraduate research in maritime archaeology is scheduled for December 2005 and a weekend course for Continuing Education has been put together for March 2006. The Centre's research coordinator is also part of the team excavating the underwater sites in Egypt.

2.2. *Under other departments*

Cast Gallery (Ashmolean Museum)

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

Professor R.R.R. Smith (Curator)

The Gallery continued to build on its collection of casts from the Hellenistic and Roman periods with the acquisition of three high-quality pieces. Two portrait heads were obtained through an exchange with the Cast Gallery in Munich: they are of T. Caesernius Statianus, a close associate of the emperor Hadrian, and Diodoros Paspáros, a local city leader at Pergamon in the late Hellenistic period. The third acquisition, a wrestler's head from the Sammlung Wallmoden, came through an exchange with the University of Goettingen.

Rachel Swift, a conservation student from West Dean College, worked with Daniel Bone to make new casts from a series of moulds in the Cast Gallery over a two week period in early August. They include busts of Germanicus, Oikomenius, and a Satyr from the Roman site of Aphrodisias in Turkey. The Cast Gallery warmly thanks the Friends of Aphrodisias (London) for making possible the acquisition and conservation of portrait heads from Aphrodisias.

Special activities this year included handling sessions for adults with visual impairments. In conjunction with the Education Team, the Cast Gallery hosted some fifteen non-sighted men and women from the Oxford area, along with their guides, for two hour programmes of sculpture discussion and handling in the Headley Lecture Theatre. The Cast Gallery provided several portrait heads, theatre masks, and statuettes, that were given on a permanent basis to the handling collection of the Education Office.

Staff

Dr Rune Frederiksen joined the staff of the Cast Gallery in October 2004, as a two-year Sackler Fellow in the Ashmolean, and Dr Milena Melfi started work in November 2004 as half-time curatorial assistant in a job-share alongside Dr Fiona Greenland.

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 Donna Kurtz. The pottery programmes are directed by Dr Thomas Mannack, the gem programmes by Dr Claudia Wagner. Greg Parker is responsible for computer programming, in collaboration with OUCS. Ian Hiley is web master. Kate Nichols assists users on site, while working on pottery projects. Tom Patrick works as a Beazley Archive Scholar. Dr Wagner also assists the Archivist in the preparation of volumes in its three series of publications, *Studies in the History of Collections*, *Studies in Classical Archaeology*, and *Studies in Gems and Jewellery*.

www.cvaonline.org, mirrored on www.beazley.ox.ac.uk, was launched at the beginning of October. A grant from the J. Paul Getty Trust in Los Angeles (2001-2004), through the *Union Académique Internationale* in Brussels, and augmented by grants from the British, Bavarian, French, Swiss and Austrian academies, enabled the Beazley Archive to digitize *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. www.cvaonline.org has an estimated 100,000 objects and a five-language search engine. Its image-driven search facility is illustrated exclusively with pottery from the Ashmolean Museum in colour digital images made by Ian Hiley. This massive project also has the facility for museums to edit text and download new images. The Getty Museum and the Louvre are among those ready to download images; many museums have expressed interest in the remote access system. All images on the site are watermarked. On completion of the project the Beazley Archive has a data store of more than five terabytes, making it one of the largest electronic research facilities in the university.

Its twenty-five year old Pottery Database now has more than 91,000 records, 70,000 water-marked images, and receives around 10,000 searches per day. The web site receives about 80,000 hits per day.

A major enhancement of the Pottery Database came during this year with the digitization of Henry Immerwahr's unpublished *Corpus of Attic Vase Inscriptions*, a compendium of more than 8000 vase inscriptions, a lifetime's work.

The vase inscriptions that record the names of artists (potters and painters) are also being used in a project funded by the Wiener-Anspach Foundation in Brussels. *Signatures of artists in the ancient Greek world* (2002-2005) merges datasets on sculpture (Brussels), pottery and gems (Beazley). The *Université Libre de Bruxelles* is responsible for compiling data on sculpture under the direction of Professor Didier Vivier. Guy Donnay, Emeritus Professor of ULB, gave the Beazley Archive his lifetime's work - an updating of Jean Marcadé's *Recueil des signatures de sculpteurs grecs* (1953-1957) - with more than 3000 inscriptions. Greg Parker, the Beazley Archive Technical Director, was able to merge Donnay's files into the XDB extensible database system that he developed for the Archive during 2003.

Inscriptions naming gem engravers are merged from databases of engraved gems that have been compiled over the past five years by Dr Claudia Wagner, working with Sir John Boardman, Drs Martin Henig and Jeffrey Spier, and Gertrud Seidmann. Dr Wagner digitized Rudolf Raspe's eighteenth-century *Descriptive Catalogue of a General Collection of Ancient and Modern Gems...by James Tassie Modeller* and created an illustrated database of more than 15,000 impressions of gems, now in the Victoria and Albert Museum, with an additional 5000 in the National Museum of Scotland. She has also digitized P.D. Lippert's *Dactyliothec*, with more than 3000 impressions of engraved gems, and created a searchable database of the edition in Oxford (1767) and its Supplement (1776), the manuscript catalogue of the impressions in Cambridge, and the first edition of the *Dactyliothec* in Göttingen. These two catalogues are fundamental to any study of antique gems. Oxford is unique in having extensive electronic assets on engraved gems and cameos, material that spans antiquity through the nineteenth century and is of great interest to historians of art.

There are extensive collections of impressions of engraved antique and post-antique gems in the Beazley Archive. Many come from Sir John Beazley's archive, purchased by the

university in 1964. Sir John Boardman has given impressions he has made during his studies of engraved gems. All of the roughly 30,000 gems in the Archive's databases are on its web site, as are the scarabs, published in *Classical Phoenician Scarabs* by John Boardman (2004), the second volume in the Archive's *Studies in Gems and Jewellery*, and those in a little-known French collection, the Danicourt in Péronne. Dr Wagner and Professor Boardman published *A Collection of Classical and Eastern Intaglios and Cameos* in summer August 2003, the first volume in *Studies in Gems and Jewellery*.

A grant from the Leventis Foundation has enabled work to continue on data collection and database integration for *LIMC (Lexicon Iconographicum Mythologiae Classicae* and *ThesCRA (Thesaurus Cultus Rituum Antiquarum)*. Their editorial board met in Oxford in March 2004 and welcomed the prospect of the establishment of a portal at Oxford for the merged datasets of LIMC, Beazley and the *Forschungsarchiv für antike Plastik* in the University of Cologne.

Throughout the year undergraduates, graduates, and volunteers from outside the university have worked in the Beazley Archive, among them Tom Patrick (Wolfson), Louise Calder (Corpus) and Rachel Sharple (Hertford). Dr Milena Melfi has worked on the Italian volumes of *CVA* and on the Italian/English thesaurus. Kate Nichols has worked on these projects in addition to providing assistance to students and senior scholars using the Beazley Archive.

During the year the Beazley Archive has received some major benefactions. The archive of Martin Robertson, Lincoln Professor Emeritus, was transferred from Cambridge to Oxford in August 2004. Professor Boardman has handed over his off-prints, and Katherine Dunbabin the archive of her father, T.J. Dunbabin.

Department of Antiquities (Ashmolean Museum)

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

Dr Susan Walker, Keeper from 1 April, 2004 (Roman art and archaeology)

Dr Arthur MacGregor, Senior Assistant Keeper (Roman and Anglo-Saxon Britain, Medieval collections, History of Collecting); Acting Keeper to 31/03/04

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)

Dr Francesco Menotti, part-time replacement for A. Sherratt, 10/04-2/05

This year has seen the recruitment of a number of staff to work 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, with Sarah Glover, 100% outreach worker replacing Rachel Mellor (from 5/03), who moved in May 2004 to a permanent post as Collections Manager of the Museum of the History of Science.

When this project is completed (end 10/04), Sarah Glover 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) with Anna Petre, 100% archivist, 8/04 to 6/05.

Jennifer Foster 20% consultancy on the refurbishment of the John Evans Gallery (to 31/10/04), releasing Alison Roberts to manage the *Historic Oxfordshire* project.

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

The department has welcomed 24 volunteers in 2003-4. They have worked on all aspects of the department's activities: it would simply not have been possible to maintain the department's programme without them. Some are university students, but others are older people with a sustained interest in archaeology. Some (e.g. Angela Cox) have gone on to work on paid projects; others have expressed an interest in helping us with packing the collections for the move.

Major projects published this year include P.R.S. Moorey, *Catalogue of Ancient Near Eastern Terracottas*, the Ashmolean's first on-line catalogue. Other works are listed under the names of the authors.

The refurbishment of the early prehistoric displays in the John Evans Gallery is now in its final stages of installation and graphic design; the east ceiling has at last been restored.

New lighting has vastly improved the display of the Felix Gem in the Leeds Gallery and relief sculpture at the west end of the Randolph Gallery. Reinstallation of the display of Roman jewellery and gems, removed for work on the catalogue, is now under way in the Leeds Gallery. This small project and the John Evans Gallery refurbishment have allowed respectively the introduction of house style labels and featured individual objects alongside denser displays.

The Piet de Jong portraits have been redisplayed on the balcony wall of the Arthur Evans Gallery.

The temporary exhibition in the Randolph Gallery from June-October 2004 of the sculptures and associated finds from the Augusteum at Naron (Croatia) has proved a great success. The design, assembled at remarkable speed by the Croatian team, offered to the visitor a helpful impression of the original structure while economically accommodating the exhibits within a very restricted space.

Heberden Coin Room (Ashmolean Museum)

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

Professor N.J. Mayhew, Deputy Director, Ashmolean Museum, Keeper (Medieval and Modern coins) and Reader in Numismatics
Dr C.J. Howgego, Senior Assistant Keeper (Roman) and Reader in Greek and Roman Numismatics
Dr W.L. Treadwell, Assistant Keeper (part-time) (Islamic)
Mr H.S. Kim, Assistant Keeper (Greek and Medals)
Dr S. Bhandare, Assistant Keeper (South Asian)
Dr P. Nightingale, Research Fellow (ESRC grant)
Dr V. Heuchert, Collections Manager (part-time), AHRB Institutional Fellow (Roman provincial coinage project)
Dr L. Yarrow, AHRB Institutional Fellow (Roman provincial coinage project)
Dr J. Baker, Finds Adviser for Medieval and Post-Medieval coins, Portable Antiquities Scheme

The Coin Room, which is one of the leading international centres of research in numismatics and monetary history, 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.

Dr Julian Baker has been appointed Finds Adviser of Medieval and Post-Medieval coins to the national Portable Antiquities Scheme; he is based 75% at the Ashmolean and 25% at the Fitzwilliam. Dr Liv Yarrow has resigned her post as Research Fellow on the Roman Provincial Coinage project at the end of the year in order to take up a Lectureship in Ancient History at Merton College.

The Carl and Eileen Subak Family Foundation and the Robinson Charitable Trust continue their generous support for Coin Room acquisitions and the Visiting Scholars' programmes. The Stavros S. Niarchos Foundation continues to fund the *Money and Coinage before Alexander* project.

Dr Heuchert conducted a seminar entitled 'Roman Coins and Epigraphy' for the Epigraphy Summer School of the Centre for the Study of Ancient Documents. He also showed a selection of Roman and Greek coins to students from Downe House. Together with Dr Karsten Dahmen, Dr Heuchert conducted a handling session with Roman coins as part of Archaeology Day.

This year's Robinson Visiting Fellow was Dr Carmen Arnold-Biucchi from Harvard University Art Museums and the Kraay Travel Scholar was Mr Amiteshwar Jha from the Indian Institute for Research in Numismatic Studies. Mr Jha combined his visit with giving a paper at the Indian conference organized by Dr Shailendra Bhandare at Worcester College entitled 'Indian Numismatics Epigraphy and Archaeology'. The New Europe scholar was Dr Robert Pieńkowski from Poland who is completing a doctorate at the Polish Academy of Sciences in Warsaw. All stayed at Wolfson College and with funds provided by the Carl and Eileen Subak Foundation, Amelia Dowler and Dominique Bouchard provided administrative assistance to the group. The

Heberden Coin Room remains indebted to the College, the Robinson Trust and the Carl and Eileen Subak fund for their support of our visitors.

From 2-9 August the Coin Room hosted 'A Workshop and Symposium on Classical

Sicilian numismatics' funded by the Robinson Trust. Bringing together the leading experts in this field, the aim of the conference was to allow the participants to exchange information on their die-studies and help bring to a conclusion a generation of numismatic research.

As part of an exchange between the Ashmolean Museum and the Hermitage in St Petersburg, Russia, the Coin Room entertained Vera Guruljova for two weeks during the summer of 2003 and Dr Shailendra Bhandare returned to St Petersburg in October.

Environmental Archaeology Unit (University Museum of Natural History)w

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

Dr M.A. Robinson, Director (Lecturer in Environmental Archaeology)

The Unit has continued to undertake a variety of work for English Heritage and commercial archaeological units and on research projects. A preliminary evaluation was made for English Heritage, under the Aggregates Levy Programme, of submerged Mesolithic peat deposits off the coast of the Isle of Wight which contain occupation debris. Monument management support for English Heritage has included the analysis of snail sequences from a group of Bronze Age barrows in Wiltshire to evaluate damage done by badgers. Further cores have been analysed through Silbury Hill. Work also continues to bring some of the large English Heritage excavations in the upper Thames Valley to publication and to analyse samples from along the route of the Channel Tunnel Rail Link, which is being overseen from the Unit.

Fieldwork continues at Pompeii. A new project was begun with Dr M. Staub Gierow and the Svenska Institutet i Rom to excavate the peristyle garden of the Casa dei Epigrami Graeci. A group of Oxford students was taken to work alongside Swedish students and to train them in field techniques of environmental archaeology. The remains of a wooden lararium structure and numerous flower pots were found in the later phases of the garden, enabling the paintings of the garden wall to be related to the planting arrangement. Mrs J. Robinson has been making a malacological study of the shell fountains of Pompeii. Some of these structures are now in a very ruinous state and although they have been well recorded as structures, the species of shells used have not previously been reliably recorded.

Nine undergraduates gained additional experience in environmental archaeology as vacation workers for a total of 17 weeks in the Unit. A student for the Archaeological Science M.Sc. was employed as a half-time assistant.

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 a 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 continue 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. Student projects, especially with Part II students from the Materials course, have enabled us to make substantial advances with research on the Isleham Late Bronze Age hoard, and on the metallurgy of the early Railway Age. 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.

Department for Continuing Education

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

Dr G. Lock (University Lecturer in Archaeology, and Director of Studies)
Dr D. Griffiths (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. Also at postgraduate level is the M.Sc. in Applied Landscape Archaeology, a two year part-time course, and part-time D.Phils. 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.

Byzantine Trade (4th-12th centuries): Recent Archaeological Work

A conference organized by M. Mango:

Mapping Trade

M. Mango (Oxford)

Trade: international, inter-regional, regional and local

E. Savage-Smith (Oxford)

Maps and trade

S. Kingsley (London)

Mapping trade by shipwrecks

O. Karagriogou (Athens)

Mapping trade by the amphora

Local Trade: Shops, workshops and factories

C. Mango (Oxford)

Constantinople: consumer and producer

Y. Tsafir (Jerusalem)

Trade, shops and workshops in Bet Shean (Scythopolis), 4th-8th c.

E. Rodziewicz (Warsaw)

Ivory, bone and other production at Alexandria, 5th-9th c.

R. Kostova (Veliko Trnovo)

Shops, workshops and factories at Preslav, 9th-11th c.

Regional and Interregional Markets

A. Vokaer (Brussels)

Syrian Brittle Ware, 5th-8th c.

N. Günsenin (Istanbul)

Ganos wine and its circulation, 10th-12th c.

Some Trade Tracking Trajectories

M. Mango (Oxford)

Metalware, 6th-12th c.

P. Armstrong (Oxford) and I. Dimopoulos (Oxford)

Red and white and red wares, 7th-12th c.

International Trade: Exports and Imports

M. Decker (Houston)

Exported wine, 5th-7th c.

H. Kinoshite (Oxford)

Exported glass excavated in China

A. McCabe (London)

Imported *materia medica*

P. Kenrick (Oxford)

On the Silk Route: imported and regional pottery at Zeugma

International Trade: with Britain, Late Antique East and West

- S. Kingsley (London)
Great voyages, great ocean-going ships?
- C. Salter (Oxford)
Tin mining in Britain
- E. Campbell (Glasgow)
Mediterranean exchange with Britain, 5th-7th c.

International Trade: the Red Sea and the East

- F. Goddio (Paris) and J. Cole (Oxford)
The Canopic region and port of Alexandria, 5th-8th c.
- S.E. Sidebotham (Newark, Delaware)
Red Sea ports and their networks
- D. Phillipson (Cambridge)
Aksum, the entrepot, and highland Ethiopia, 4th-12th c.
- M. Horton (Bristol)
Zanzibar and Shanga, East Africa-Mediterranean trade, 6th-11th c.

International Trade: the Medieval Mediterranean East and West

- D. Jacoby (Jerusalem)
Venice and Amalfi, 10th-12th c.
- J. Henderson (Nottingham)
Glass in the Levant and the Veneto, 11th c.
- P. Northover (Oxford) and J. Meyer (Copenhagen)
Copper: trade and technology transfer in the central Mediterranean, 10th-12th c.
- J. Hayes (Oxford)
Pottery: note on the pre-Frankish situation in Cyprus, late 12th c.

International Trade: The Black Sea and the North

- J. Shepard (Cambridge)
The north Black Sea: mists and portals
- I.L. Shchapova (Moscow)
Local and imported glass excavated in Rus' and the Crimea
- N.A. Makarov (Moscow)
Rural settlement and trade networks in North Russia, 900-1250

and a further 20 short communications on Byzantine trade and related topics

Cypriot Archaeological Discussion Group ('Cyprochat')

Meeting held on Wednesday, 30 June

Disappearance of Writing Systems

An international conference, organized by John Bennet, John Baines and Stephen Houston, was held in Keble College

German for Archaeologists (Miss G. Seidmann)

One week's intensive courses

Hillfort Study Group (G. Lock)

Day Conference: annual meeting

Ancient Architecture Discussion Group

Georges Kazan

The Golden Gates of Constantinople

Judith McKenzie

Latest views on the plan and monuments of Alexandria

Marlia Mango

Reservoirs at Androna (Syria)

Milena Melfi

The Asklepieion of Butrint: a re-assessment

Shaher Rababeh

Quarries and quarrying in Petra

Arthur Segal

Hippos-Sussita: architecture from the first four excavation seasons

Stella Skaltsa

Monumentality and public architecture: an examination of some Hellenistic Gymnasia

Ancient India Discussion Group (Organizers: J. Shaw and S. Bhandare)

Joe Cribb (The British Museum)

Sacred spaces and sacred places: evidence of early Indian religion in numismatic perspective

Sanjukta Gupta

Sashthi: vicissitudes of a goddess

Derek Kennet (University of Durham)

An evaluation of the state of Early Historic Archaeology in India

Barbarian Archaeology

Professor Miranda Aldhouse-Green (Newport College, University of Wales)
Images of defeat and humiliation (Joint session with the Roman Discussion Forum)

T. Allen (Oxford Archaeology)
Excavations at Wittenham Clumps Hillfort (Joint session with Roman Discussion Forum)

Angela Boyle (Oxford Archaeology)
Excavation of an intact Iron-Age chariot burial in West Yorkshire

Dr V. Cavruc (Museum of the Eastern Carpathians, Romania)
The Traditional Exploitation of Salt in the Carpathian Basin

Julie Hamilton
Iron-Age economics: the Danebury environs

Dr Anne Haour (Hertford College)
Barbarians at the gate: Sahelian walled towns

Dr Martin Henig
Waiting for the barbarians: what happened in Carlisle in AD 410

Dr Francesco Menotti
The lake-dwelling phenomenon and its 150th anniversary

Dr David Price
Landscape and text in medieval Ireland

Professor Andrew Sherratt
Recent Bronze-Age finds from Germany: The good, the best and the too good to be true. Is the year of the Bronze Age to blame?

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

Ioanna Dimopoulos
Identifying centres of Sgraffito Ware pottery production

Dr John Hayes
Archaeological approaches to pottery

Maja Kominko
Text and image: key questions about manuscript illustration

Dr Marlia Mango and Anthusa Papagiannaki
Ivory casts in the Ashmolean Museum Cast Gallery

Hallie Meredith-Goymour
Distinguishing Late Roman and Sasanian glass

Anthusa Papagiannaki
Analysing workshop production of ivory/bone caskets

Natalija Ristovska
Distinguishing Byzantine, Fatimid and Russian glass

Glass: Materials and Techniques

Professor Julian Henderson
Roman glass tesserae from dated monuments: production and use

Hallie Meredith-Goymour
Late antique luxury glass technique

Natalija Ristovska
Byzantine luxury glass technique

Lukas Schachner
Wadi Natrun-Natron Valley: Christians, salt and natron in ancient times

Dr Andrew Shortland
Glass technology from the beginning until the Byzantine period

Professor Michael Tite
Glaze technology from the Roman, Byzantine and Islamic worlds

Iconography

Dr A. Eastmond
Old paintings and new meanings in the thirteenth century

M. Kominko
Modes of narration in Biblical miniatures of the 'Christian Topography'

S. Krasnopolskaya
Pictorial exegesis of the Lives of Holy Fools in Russian Art

E. Montgomerie
Nilotic imagery on pavements of the Levant in late antiquity

Classical Archaeology - Work-in-Progress

Olympia Bobou (Keble)

Representations of Children in Hellenistic Funerary Reliefs

Catherine Draycott (Wolfson)

The Harpy Monument at Xanthos: a case study in iconographic studies of social identities

Zena Kamash (Magdalen)

Baths in the Roman Near East: water management and sanitation

Andreas Kropp (Lincoln)

The Roman client kingdom of Emesa (Syria) from Pompey to Vespasian

Hans-Caspar Meyer (Wolfson)

New Russian Archaeology (c. 1830)

Eric Prins (Keble)

Presentation and Representation of Power in the Bronze Age Aegean

Peter Thonemann (All Souls)

The Maeander: iconography and regional identity

William Wootton (Queens)

The influence of Punic pavement types on the development of tessellation

Donald Baden-Powell Quaternary Research Seminars (Organizer: Dr V. Winton)

Dr Nick Barton

Modern *Homo sapiens* and the Upper Palaeolithic settlement of the western Mediterranean

Dr Peter Ditchfield (RLAHA, Oxford University)

Recent work on Stable Isotopes at Olorgesailie

Richard Jennings (Institute of Archaeology, Oxford)

A geographical perspective on the extinction of Neanderthals and the earliest modern human settlement of southern Iberia during the Late Pleistocene

Dr Cath Price

Dances with Voles

Dr Mike Richards (Department of Archaeological Sciences, Bradford University and Max Planck Institut, Leipzig)

Diet shift at the Middle/Upper Palaeolithic transition in Europe? The stable isotope evidence

Dr Julie Scott-Jackson and Vicky Winton (Oxford University)

Why be high? Investigating the earliest occupation of Britain

Greek Archaeology Group

Professor John Bennet (Sheffield)

Who wrote in Linear B and ... why? Reflections on literacy in the Mycenaean World

Dr Andrew Bevan (UCL)

Integrating Aegean surface survey and GIS

Luca Cherstich (Brasenose, Oxford)

S4 of Cyrene: reconstruction and meaning of an Hellenistic tomb

Professor Lin Foxhall (Leicester)

The Bova Marina Archaeological Project (Joint session with the Roman Discussion Forum)

Dr Alan Johnston (UCL)

Amphora 'Texts'

Tom Kiely

The Phoenician Mirage at Kition

Alexandra Lesk (Nottingham)

The Afterlife of the Erechtheion

David Ridgway (ICS, London)

Demaratus of Corinth and the 'Hellenization' of Etruria and Latium: another look (Joint session with the Roman Discussion Forum)

Roman Roth (Fitzwilliam College, Cambridge)

Greek Myth on Volterranean Urns: The 'Abduction of Helen' and its Historical Significance in Etruria during the Hellenistic Period (Joint session with the Roman Discussion Forum)

Dr Gillian Shepherd (Birmingham)

Race, hierarchy and fidelity: the historiography of colonisation

Professor Bert Smith (Lincoln, Oxford)

A later Greek city and its statues: recent research at Aphrodisias in Caria

Maria Vlasaki (Director, Ephoria, West Crete)

New Evidence for the Minoan Settlement of Khania (Kydonia)

Susan Walker

Veterans of Troy: two Roman Treasures of the Ashmolean Museum (the Felix gem and the Arundel sarcophagus lid relief)

Landscape Archaeology Seminar Series

Graeme Barker (Leicester University)

The prehistory of rainforest foraging and farming in SE Asian landscapes:
reinvestigating Niah Cave

John Barrett

Do we really understand the nature of landscape transformation? The case of the
late Neolithic to early iron age period in southern Britain

Richard Bradley

Seeing in the dark: new light on stone circles in the prehistoric landscape of
Scotland

Stefan Brink (University of Uppsala, Sweden)

Power and religion in the Viking Scandinavian landscape (Joint seminar with
Medieval Archaeology)

Gabriel Cooney

Interpreting an island landscape: Lambay Island

Barry Cunliffe

In Site of Danebury: Studying the First Millennium Landscape in Detail

Dr Tom Evans (Oxford Archaeology)

Chariots for the dead: Issues of landscape and regionality in the two wheeled
vehicle burials of Yorkshire and Champagne

Niall Finnerann (Southampton University)

Syncretism of landscape: the Christianisation of Ethiopian space

Joe Flatman

Wetting the Fringe of your Habit: Medieval Monasticism and Landscapes

Andrew Fleming and Helen Wickstead

Reviewing the Dartmoor Reeves

Charly French

Recognising Sustainable Agricultural Systems in Semi-arid Landscapes

Chris Gosden (Oxford University)

Landscapes and colonialism in Papua New Guinea and Britain

David Griffiths

Birsay and Skaill, Orkney: Landscape Survey 2003

Della Hooke

The Nature and Distribution of Early Medieval Woodland and Wood-pasture Habitats

Liliana Janik (Cambridge University)

Visualising the landscapes in the rock art of northern Europe

Matthew Johnson (Durham University)

W.G. Hoskins, William Wordsworth and the development of English landscape archaeology

Andy Jones

A Biography of Stone: Rock Art and Landscape in Kilmartin, Argyll, Scotland

Mike Parker Pearson

The Stonehenge landscape - a new view from Durrington Walls

Joshua Pollard

Building histories and memories in the Neolithic of the Avebury landscape

Neil Price (University of Uppsala, Sweden)

Landscapes of the mind: sorcery and sorcerers in the Viking world (Joint seminar with Medieval Archaeology)

Andrew Reynolds

Sight and Sound in the Late Anglo-Saxon landscape: civil defence in the localities

Julia Shaw (Oxford University)

Buddhist monasteries and irrigation tanks: approaches to religious and agrarian change in ancient India

Andrew Sherratt (Oxford University)

Routes and resources; the eternal dialectic - as illustrated by the cultural landscapes of the Fertile Crescent

Steven Yeates

Still Living with the Dobunni: H.P.R. Finberg fifty years on

Medieval Archaeology Seminars

Stefan Brink (University of Uppsala, Sweden)

Power and religion in the Viking Scandinavian landscape (Joint seminar with Landscape Archaeology Seminar Series)

Fiona Edmonds (Oxford University)

Travelling into the Unknown: Early Medieval Communication through Western Northumbria

John Hines (All Souls College, Oxford and Cardiff University)

The Final Phase: new light on the last century of early Anglo-Saxon furnished burial from high-precision radiocarbon dating

Elizabeth Norton (Hertford College, Oxford)

The Anglo-Saxon Sculpture of the South Saxon Kingdom

David Parsons (University of Leicester)

Uses and abuses of [Christian] building inscriptions and tituli?

Tom Pickles (Wadham College)

Oxford Minsters and Satellites: locating early ecclesiastical estates in Yorkshire?

Neil Price (University of Uppsala, Sweden)

Landscapes of the mind: sorcery and sorcerers in the Viking world (Joint seminar with Landscape Archaeology Seminar Series)

Joern. Schuster (English Heritage)

Metalworking on the Wurt-Settlement, Feddersen Wierde. Technology - Organisation and Social Aspects

David Stocker (English Heritage)

The Straight and Narrow Way: causeways and the conversion of the landscape

Gabor Thomas (University of Kent, Canterbury)

Lewinna, loomweights and latrines: exploring early medieval settlement at Bishopstone, East Sussex

Sue Youngs (Jesus College)

Prized possessions in early medieval Britain: the evidence of the hanging bowls

Roman Discussion Forum (Convenors: Z. Kamash, A. Leone and A. Wilson)

Professor Miranda Aldhouse-Green (Newport College, University of Wales)

Images of defeat and humiliation (Joint session with Barbarian Archaeology)

T. Allen (Oxford Archaeology)

Excavations at Wittenham Clumps Hillfort (Joint session with Barbarian Archaeology)

Professor L. Berczelly (University Museum of Cultural Heritage, Oslo)

A Unique Gold Relief Figure of Augustus

Dr E. Biddulph (Oxford Archaeology)

The Grateful Dead: Ceramic provisions in Funerary contexts

Professor B. Cunliffe

Villas in a Landscape: a view of Roman Hampshire

- Professor Lin Foxhall (University of Leicester)
The Bova Marina Archaeological Project (Joint session with Greek Archaeology)
- Professor M. Fulford (University of Reading)
Making Roman Armour: a Practical Technology
- Dr Chris Gosden and Dr Gary Lock
A Romano-British Ritual Site at Marcham
- Dr Peter Heather (Worcester College, Oxford)
Changing views of the fall of Empire 1964-2004
- Dr T. Johnson (Keble College, Oxford)
Locating and Imaging Roman Structures: magnetic survey Techniques and Landscape
- Z. Kamash
Urban water distribution, supply and storage in the Roman East
- Dr P. Kenrick
Between Roma and Parthia: The Pottery of Zeugma on the Euphrates
- Dr A. Leone (Institute of Archaeology, Oxford)
The Carthage of Saint Augustine: a view of the Late Roman City
- David Ridgway (ICS, London)
Demaratus of Corinth and the 'Hellenization' of Etruria and Latium: another look
(Joint session with the Greek Archaeology Group)
- Roman Roth (Fitzwilliam College, Cambridge)
Greek Myth on Volterranean Urns: The 'Abduction of Helen' and its Historical Significance in Etruria during the Hellenistic Period (Joint session with the Greek Archaeology Group)
- Dr Alex Smith (Oxford Archaeology)
Excavations of a Roman settlement at Higham Ferrers, Northants.
- Matthew Symonds (Christ Church, Oxford)
Consolidation or conquest? The fortlet in Britain

Dr Pier Luigi Tucci (Università La Sapienza, Rome)
Eight Fragments of the *Forma Urbis* shedding new light on the *Transtiberim* area

Dr Andrew Wilson
Excavation in the Forum of Rome 2003

S. Yeates
Dead Men Riding: the deification of the landscape, the ritualisation of hunting
and the cities of trees

Other lectures

Professor Ronald Jager
Minoan double axes: an American perspective (organized by Michael Vickers)

Dr Timo Sironen (University of Oulu, Finland)
Greek influence on Sabellian Culture in Central and Southern Italy - late 5th to
early 1st century BC (organized by Dr A. Leone)

Dr Volodya Zaviliev
Hellenistic fortifications at the E. Iranian city of Merv

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*

- 57 Peter Mitchell, Anne Haour and John Hobart (eds.), *Researching Africa's Past. New contributions from British Archaeologists*
- 58 Barry Cunliffe and Patrick Galliou, *Les Fouilles du Yaudet en Ploulec'h, Côtes-d'Armor. Volume 1: Le site. Le Yaudet dans l'histoire et la légende*
- 59 Sonia Hawkes with Guy Grainger, *The Anglo-Saxon cemetery at Worthy Park, Kingsworthy, near Winchester, Hampshire*
- 60 J.M. Cook, *Early Anglo-Saxon Buckets*
- 61 Tom Higham, Christopher Bronk Ramsey and Clare Owen (eds.), *Radiocarbon and Archaeology*
- 40 Gocha Tsetskhladze (ed.), *Archaeology of Greek Colonization* (second edition)

3. REPORTS FROM PERMANENT ACADEMIC STAFF

Prehistory

C. Gosden, Pitt Rivers Museum, 64 Banbury Road, Oxford, OX2 6PN

Chris Gosden gave lectures and tutorials in ‘Material Culture, Art, and Society’, ‘The Nature of Archaeological Enquiry’, ‘Landscape Archaeology’ and ‘Material Culture in Melanesia’. He was Chair of Examiners for Honours Moderations in Archaeology and Anthropology. He acted as an external examiner in the Department of Art History and Archaeology, University of Manchester. He supervises 14 D.Phil. students in archaeology and anthropology. Chris Gosden continued as a member of the ‘Classics, Ancient History, and Archaeology’ Panel of the Arts and Humanities Research Board. 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*. In September, together with E. Edwards and R. Phillips, he ran a Wenner-Gren Symposium in Setais, Portugal entitled ‘Engaging all the senses: colonialism, processes of perception and material objects’ which brought together a range of scholars from around the world. In Hilary Term he ran a seminar series in Classical Archaeology (together with John Bennet) called ‘Things First ...’ on the links between material culture and texts in the ancient world. He gave a paper at the Society for American Archaeology Conference in Montreal. He and Megan Price ran a weekend for the family of E.B. Tylor to meet and to explore the museum, as part of the Relational Museum Project. During July he excavated (with Gary Lock) at the Romano-British site of Marcham, south Oxfordshire.

Current research interests are:

Archaeological and material culture, the archaeology of landscape, archaeology and colonialism, the links between archaeology, history and anthropology in the Pacific, archaeology and human intelligence

Specific research projects include:

The Archaeology of West New Britain, Papua New Guinea

The origins of agriculture in Turkmenistan

Hillforts of the Ridgeway Project

The Romano-British complex at Frilford

The history of the Pitt Rivers Museum

Nick Barton, University Lecturer in Palaeolithic Archaeology

Dr Barton took up his permanent post in October 2003. He served as course co-ordinator on two undergraduate papers (‘Perspectives on Human Evolution’, and ‘Human Evolution and Ecology’) and gave introductory lectures on the Palaeolithic and for his option paper on the Archaeology of Modern Humans. He supervised three doctoral students and one M.St. student, and was responsible for overseeing the work of one Post-Doctoral research assistant. He examined a doctoral thesis in Oxford and was appointed examiner for the Archaeology and Anthropology B.A. degree.

In his role as tutorial fellow at Hertford College he served as Director of Studies for Archaeology and Anthropology undergraduates, and acted as college adviser for three Masters and D.Phil. students.

In addition to being appointed to the Divisional Professorial Research Committee, he continued to serve on International Committees of the *Union Internationale des Sciences Préhistoriques et Protohistoriques* and is adviser on UK Palaeolithic Projects for the National Museum of Wales, The Shotton Project and Research Frameworks for SW Britain.

He delivered papers to international conferences at the Polish Academy of Sciences in Poznan and at the University of Siena. He gave an invited seminar presentation at the British Council in Rabat. Papers were also given at Sussex, Cambridge and London Universities, and he gave talks to local societies in Wallingford and Oxford. He had two spells in the field in Morocco, in April and September, amounting to six weeks of site excavation and survey work. He also consulted museum collections in southern Spain during the Easter vacation.

Current research interests are:

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

Specific research projects include:

Environmental factors in human evolution and dispersals in the Upper Pleistocene of the western Mediterranean (NERC-funded)

Biogeography of human colonization and extinction in the Late Pleistocene of southern Iberia (funded by AHRB, Leverhulme, British Council)

Small mammals and Lateglacial environments in North West Europe (with C. Price and M. Street, ORADS-funded)

Lateglacial Upper Palaeolithic and Mesolithic landscapes in western Britain (funded by British Museum, British Academy)

Severn Estuary Project (directed by Professor M. Bell, Reading University)

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)

Having previously secured the PADMAC Unit's long-term funding, this year she obtained additional grants for specific projects. She supervised the work of the Unit's D.Phil. student, directed the research of the Unit's Research Fellows and expanded the work of the Unit with links to relevant departments in the University of Oxford, at other universities and with research establishments. She wrote up the previous season's fieldwork, and continued updating 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. During the latter part of the year she identified new Palaeolithic research sites for the Unit's attention during 2005.

During February she gave a joint presentation with Dr Vicky Winton entitled 'Why be high? Investigating the earliest occupation of Britain' for the Donald Baden-Powell Quaternary Research Centre Seminar Series and in May, an invited seminar at the Research Laboratory for

Archaeology and the History of Art on 'The challenge of decalcified deposits: Understanding Palaeolithic high-level sites in southern England'.

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) and advising and monitoring the Palaeolithic work of archaeological groups.

Current research interests are:

Geo-archaeology - in particular, the processes which have affected the Chalk Downlands over geological time and the genesis, variability and distribution of the deposits mapped as Clay-with-flints as they relate to the retention of Lower and Middle 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, particularly the experimental use of magnetic susceptibility to identify buried 'ghost features' such as burning events, in the decalcified deposits mapped as Clay-with-flints

Analysis of the geo-archaeological data from the 2003/2004 investigations and excavations at Rookery Farm, Lower Kingswood, Surrey and from the PADMAC Unit's (long-term ongoing project) at Dicketts Field, Yarnham's Farm, Hampshire

Peter Mitchell, University Lecturer in African Prehistory

He spent the entire academic year on leave, using the sabbatical to complete several existing projects and begin others. Of particular note were the completion through to publication of *Researching Africa's Past*, an edited volume arising from the African archaeology conference held in Oxford in 2002, and the completion of the writing of a book on Africa's relations with the rest of the world, *African Connections*. Several papers were also written, including contributions to the prestigious Enciclopedia Treccani dell' Archeologia, and a substantial start made on the writing up of previous fieldwork at Likoaeng, Lesotho. Preliminary work was also initiated on a book-length study of Africa's Stone Age archaeology, *The First Africans*. The sabbatical facilitated attendance at conferences in South Africa (Southern African Association of Archaeologists) and Norway (Society of Africanist Archaeologists), as well as in Oxford (Trees, Politics and Rain in Africa). He was elected to serve a two-year term as President of the Society of Africanist Archaeologists and added membership of the editorial board of the *Journal of African History* and *Antiquity* to the five others on which he serves. He also continued to serve on the Governing Council of the British Institute in Eastern Africa and was invited to participate in the planning of cultural resource management in the Maloti-Drakensberg Peace Park. Although on leave, he also found time to teach for the M.Phil. in Landscape Archaeology, to redesign the Archaeology and Anthropology admissions section of the School of Archaeology website and to examine a Ph.D. thesis at the University of London.

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

John Bennet, Sinclair & Rachel Hood Lecturer in Aegean Prehistory

In his final term as Sinclair & Rachel Hood Lecturer in Aegean Archaeology, John Bennet acted as Director of the Institute of Archaeology and as Admissions Co-ordinator for the degree in Archaeology and Anthropology. He lectured in the undergraduate course in Archaeology and Anthropology (Late Bronze Age & Early Iron Age in the Aegean; Introduction to World Archaeology; Urbanisation & Change in Complex Societies) and for the Faculty of Classics (Homeric Archaeology). He continued to supervise four Oxford research students and served on the editorial boards of Oxford Monographs in Classical Archaeology and *Aegean Archaeology*, and on the advisory board of the *OJA*.

In January 2004, he took up the newly-created post of Professor of Aegean Archaeology in the Department of Archaeology at the University of Sheffield.

While in 'retirement' from Oxford, he co-organized (with Chris Gosden) the Classical Archaeology Seminar ('Things First') and (with John Baines and Stephen Houston, then of Brigham Young University) an international conference, held in Keble College, on the 'Disappearance of Writing Systems'. In addition to contributing to that conference, he presented papers to the Accordia Research Seminar in London, to the 50th Anniversary celebration for the London Mycenaean Seminar and to an international conference held in Oxford on 'Alphabetic Responses to Western Semitic Writing'. In April, he delivered the Marett Memorial Lecture in Exeter College on 'Archaeologies of Homer'.

Current research interests include:

Aegean scripts, especially the integration of textual and archaeological data; landscape archaeology in the Aegean; identity in the prehistoric Aegean; the archaeology of Crete; the history and archaeology of early modern Greece, particularly Messenia and Kythera

Specific projects:

Planning for Knossos Urban Landscape Project, Crete, jointly directed with T. Whitelaw, UCL, and Eva Grammatikaki and Adonis Vasilakis, Eforeia of Prehistoric and Classical Antiquities, Iraklion; first fieldwork season scheduled for August 2005

Research on the historical geography of Kythera as part of the Kythera Island Project under the overall direction of Drs Cyprian Broodbank, UCL, and Vangelio Kiriati, British School at Athens

Barry Cunliffe, Professor of European Archaeology

During the year he has served as Chair of the School of Archaeology and represented the School on the Life and Environmental Sciences Board. He has taught for undergraduate and masters' courses and has supervised ten doctoral students.

Research activity has focused principally around three field projects, the Le Yaudet Project, the Danebury Environs Roman Project and the Atlantic Seaways Project which together have involved some eight weeks of fieldwork and excavation. Much of the rest of the time has been spent in preparing major projects for publication, in particular the second volume of the report on Le Yaudet which is now ready for translation (into French) before publication. Work on the final reports on the Danebury Environs Roman programme has progressed well during the year.

Papers have been contributed to a number of seminars and conferences and opportunity has been taken to visit sites and museums in Maderia, Spain, Italy and France.

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.

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
Atlantic trade

Andrew Sherratt, Professor of Archaeology

(*Salaried post*: Half-time University Lecturer with non-tutorial fellowship, half-time Assistant Keeper in the Ashmolean Museum)

In addition to routine duties in Oxford, Professor Sherratt acted as Faculty Opponent for a doctoral thesis in Gothenburg, where he also lectured, and presented a paper to a conference on early farming in UCL, organized by the AHRB Centre for the Evolutionary Analysis of Cultural Behaviour. During August he spent a month in Turkey on a project sponsored by the British Institute of Archaeology at Ankara, using GPS measurements and satellite imagery to examine prehistoric settlement in relation to the landscape and routes of movement. He gave the opening keynote address at an international symposium on *The Significance of Portages* at Lyngdal, Norway, (30 September-3 October), and the closing address at an international conference on

Radiocarbon Dating and the Iron Age Archaeology of the Southern Levant held at Yarnton Manor in early September, organized by Professor Tom Levy of the University of California, San Diego and Dr Thomas Higham of the Oxford Radiocarbon Accelerator Unit; both to be published in the conference proceedings.

Specific research projects include:

- Megalithic monuments in the Morbihan region, Brittany
- ArchAtlas website of distribution-maps and satellite-images of archaeological sites
- Antiquity of dairying (with Richard Evershed and Sebastian Payne)

Helena Hamerow, University Lecturer in Medieval Archaeology

Helena Hamerow was on maternity leave during MT 2003 and HT 2004. On her return in Trinity Term, she resumed the Directorship of the Institute of Archaeology and continued to lecture, teach and examine for degrees in Archaeology and Anthropology, History and English, and to supervise graduate students in Archaeology. She was an invited speaker at the 11th Seminario sul tardoantico e l'alto medioevo at Gavi, Italy; the Sutton Hoo Society; and a conference on 'Post-Roman Towns and trade in Europe, Byzantium and the Near-East', hosted by the University of Frankfurt. She continues 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'. Continued to serve on the Oxford Archaeology's Academic Committee and Council, and the Oxford Radiocarbon Accelerator Dating Service Steering Committee (NERC).

Current research interests are:

- Early medieval settlements in north-west Europe, AD 400-900
- 'Foundation Deposits' in early medieval Europe
- Anglo-Saxon Oxfordshire
- Early medieval timber buildings

Specific research projects include:

- Fieldwork to investigate the early medieval landscape around Sutton Courtenay, Oxon Wallingford Project, to examine the town's Anglo-Norman transition
- On-line database of the Hawkes Archive of Anglo-Saxon cemeteries - the *Novum Inventorium Sepulchrale*
- A joint project (with Dr Brian Gilmour) on the radiocarbon dating of Anglo-Saxon ironwork (NERC-funded)

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

Acted as Keeper of the Department until the end of Hilary Term. He completed a catalogue on Roman engraved gems in the collections (with Dr Martin Henig) and received grants from the Heritage Lottery Fund for a project on the archaeological archives of E.T. Leeds, held in the Ashmolean, and from the AHRB for rationalization of the Museum's historic archaeological collections. He lectured to a conference on cabinets of curiosities at the Espace Mendes France in Poitiers, on approaches to the history of collecting at the University of Southern California, and on gardens and botanists for the National Maritime Museum at Tate Britain; he also took

part in a seminar on Carolus Clusius at the Scaliger Centre, University of Leiden. He acted as supervisor for the Modern History Faculty and lectured to the museum studies course at the Courtauld Institute. He continued as a member of the Treasure Valuation Committee, as co-general editor of *The Paper Museum of Cassiano dal Pozzo* (Royal Collection) and as co-editor of *The Journal of the History of Collections* (OUP), and as the council member of the Society for the History of Natural History. He was elected a Fellow of the Linnean Society.

Current research interests include:

History of antiquarianism; history of museums

Classical and Byzantine

J.J. Coulton, Reader in Classical Archaeology

Dr Coulton completed his stint as Director of Graduate Studies in Archaeology, but acted as Examiner in Archaeology for Greats, Chairman of Examiners for the first sitting of Finals in Classical Archaeology and Ancient History, and Sub-Warden of Merton College. He also continued to serve on the Editorial Committee of *Anatolian Studies* and as Monographs Editor for the British Institute of Archaeology at Ankara (four monographs are currently in action ranging from Chalcolithic pottery to Roman inscriptions). Work continued on the final publication of the Balboursa Survey project.

Current research interests are:

Greek and Greco-Roman architecture
Archaeology and history of Lycia
Greek fortification
The meaning of Greek and Roman statue bases

Specific projects include:

The Balboursa Survey
Excavations at Euesperides (Benghazi) (for the late John Lloyd)

Donna Kurtz, Beazley Archivist and Professor of Classical Art

During the year the Archivist was appointed a Lecturer in the Department of the History of Art and she completed *Reception of Classical Art, an Introduction* for the first undergraduates in the new degree course in the History of Art that began in October 2004.

M. Mango, Lecturer in Byzantine Archaeology and Art

Dr Mango supervised eight doctoral students and two 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.St. in Roman History, in addition to the FHS of Classical Archaeology and Ancient History. She remained Organizing Tutor for the five Archaeology and Anthropology students at St John's. She convened the termly seminar in Byzantine Archaeology and Art and co-convened another in Byzantine Studies. She acted as an Examiner for the M.St. in Byzantine Studies and as an Assessor for the Qualifying Exam for the M.Phil. in Classical Archaeology and for the FHS 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 Council of Management and Research Committee of the British Institute of Archaeology at Ankara, 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 invited lectures at three Oxford seminars, and at the Universities of Birmingham and of Basel. She also gave two lectures at a symposium she held in Oxford on *Byzantine Trade (4th-12th centuries): Recent Archaeological Work* which had 182 participants including 50 speakers (30 main papers; 20 communications).

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 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

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

Professor Smith spent a productive sabbatical year based in Oxford. His main project was completing a monograph on the portrait statuary from Aphrodisias. It is a study of the character and use of honorific statues in a Greek city of the Roman period as well as a primary publication of much high-grade material from the site. The book is the culmination of five years’ collaborative research at Aphrodisias with a team of students and younger colleagues that has pieced back together the find contexts of some 200 statues from old records (and physically assembled a large number of them from dispersed fragments in depots). Smith is the principal author and editor.

He also completed a study of early Greek statue practice and athletic victors in the fifth century BC for a collection of papers on Pindar and Greek sanctuaries being edited by Simon Hornblower and Catherine Morgan, and a case-study of late antique statues in context, focusing on the bath complex at Aphrodisias, which will be published in a volume edited by Franz Alto Bauer and Christian Witschel in Munich. He gave papers and reports at conferences in Athens, Bergama, Konya, London, Munich, and Oxford and gave fundraising lectures in London, Paris, and New York.

He co-directed a further season of archaeological research at Aphrodisias (July–August 2004), and at Easter travelled to sites and museums in Egypt (Cairo, Fayum) and Greece (Epirus, Peloponnese).

Current research interests are:

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

Specific projects include:
Aphrodisias Excavations

E.M. Steinby, Professor of the Archaeology of the Roman Empire

She served as assessor of Masters degrees and undergraduate papers in Classical Archaeology. Teaching at Oxford included supervision and taught courses for graduates, lectures on Roman Architecture and Topography of Ancient Rome; she gave a seminar on 'Instrumentum domesticum' in the Epigraphical Summer School. In HT she was on sabbatical, working on the publication of the excavations at Lacus Iuturnae. She was invited to participate in the third Williams Symposium, *Imaging Ancient Rome*, and chair a session (Rome, 20-23 May). She acted on the following editorial boards: *Eutopia*, *Journal of Roman Archaeology*, *Memoirs of the American Academy in Rome*, *OUP Oxford Monographs on Classical Archaeology*.

Current research interests are:

The topography of ancient Rome; politics and ideology in the building industry of Republican Rome; the excavations at Lacus Iuturnae, Rome; Roman brickstamps and building history

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

Directed (together with Professor A. Kakhidze) the sixth season's work of the Oxford-Batumi Pichvnari Expedition, the excavation of a Greco-Colchian settlement on the Black Sea coast of Georgia. Read papers at the Oxford meeting of the Winckelmann-Gesellschaft; to the Hellenic Society, Queen's University, Belfast; to the Oxford Italian Association and to Clio, the Cambridge University History Society. Gave a series of graduate seminars on ancient materials for the Faculty of Classics; taught for the Catalan Centre for Classical Archaeology in Tarragona and the Open University.

Supervised the work placement of students from the Universities of West Bohemia and Lausanne.

Current research interests include:

Ancient material values and metrology; Euesperides, Pichvnari excavations

Susan Walker, Keeper of Antiquities, Ashmolean Museum (from April 2004)

Dr Walker has spent much time familiarizing herself with the collections and developing with colleagues across the museum a scheme for their future display within the Ashmolean Masterplan. She supervises one student's museum project and acts as adviser to three graduate students at Wolfson College.

She completed co-chairing the series of seminars on Location, Location in Roman Art at the University of London, and has given several lectures within the Ashmolean and the Department of Archaeology. Projects initiated at the Ashmolean include the lighting of the Felix gem and the Arundel Troy relief (June 2004, in connection with the release of the epic film *Troy*) and scheduling completion of the John Evans Gallery project for December 2004.

Current research interests are:

Dr Walker submitted the manuscript of a short book for the non-specialist on *The Portland Vase* (British Museum Press, for publication November 2004). She has now embarked on a wider programme of researching the iconography of Roman cameo glass. She retains an interest in the University of London joint programme with INSAP (the Moroccan Antiquities Service) of conservation, management and excavation of the Roman and Islamic settlements at Volubilis, Morocco, where she studied the late antique display of bronzes and mosaics in the House of Venus. In the coming months Dr Walker will be co-editing with Professor Konstantinos Zachos of Ioannina, Greece, a volume of papers entitled *After Actium: recent archaeological discoveries from Roman Greece*, for publication at the end of 2005

Andrew Wilson, University Lecturer in Roman Archaeology

In addition to normal teaching duties he supervised six continuing D.Phil. students, and one M.Phil. student; and served as Chairman of the Masters Degrees in Classical Archaeology, and as Chairman of the Classics Faculty IT Committee, and of the Standing Committee for Classical Archaeology and Ancient History.

He continued to serve as Honorary Secretary of the Society for Libyan Studies, and was elected to Council of the Society for the Promotion of Roman Studies. He gave invited papers at international conferences in Chieti, Italy (on excavations at Euesperides), and Siena (on foggara irrigation technology in the Sahara), and in Rome (on ‘Villas, horticulture and irrigation infrastructure in the Tiber Valley’); a seminar paper at the Sorbonne, Paris, Spain (on Roman irrigation); and an invited lecture (in French) to the Académie des Inscriptions et Belles Lettres, Paris (on ‘Une cité grecque en Libye: fouilles d’Euesperides (Benghazi) 1999-2003’). He also gave a seminar paper in Oxford on his excavations in Rome.

He co-directed a sixth 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 second 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 14 Oxford undergraduates and graduates participated.

In October 2003 he won a Philip Leverhulme Prize in recognition of his research, and in January 2004 he was elected a Foreign Corresponding Member of the Société Nationale des Antiquaires de France. In March 2004 he was elected to the Professorship of the Archaeology of the Roman Empire at Oxford, commencing duties on 1 October 2004.

Current research interests include:

Ancient water supply and irrigation; 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

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, Assistant Keeper in the Department of Antiquities, Ashmolean Museum

Dr Whitehouse gave a public lecture to follow the opening of the Sackler Gallery of Egyptian Antiquities in September 2003, and was on sabbatical leave from the Ashmolean for six months from October. She gave lectures and a seminar paper on her fieldwork in Egypt to the University Archaeological Society, at the Egyptian Embassy's Cultural Bureau, the Roman Art seminar at the Institute of Classical Studies in London, and the Northern Branch of the Egypt Exploration Society (Manchester), and taught for the Faculty of Oriental Studies in Trinity Term.

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

N.J. Mayhew, Keeper and Reader in Numismatics, Heberden Coin Room, Ashmolean Museum

Professor N.J. Mayhew continues to serve as Deputy Director. He has joined a DCMS-Museums Association working party on the acquisition of cultural property, and been elected a Vice-President of the Royal Numismatic Society. The University has granted him the title of Professor of Numismatics and Monetary History in the 2004 recognition of distinction exercise. He attended the International Numismatic Congress in Madrid in September 2003 and lectured in Oslo at the opening of the exhibition of Sterlings from the Brussels hoard in February. This exhibition transferred to Oxford in March. He visited the Metropolitan Museum in New York for the Byzantine exhibition there in June. He gave classes in early Anglo-Saxon coinage and Tudor debasement and taught M.St. students in Byzantine Studies and Modern History. He supervises one D.Phil. student.

Current research interests are:

Medieval and early modern coinage and monetary history

C.J. Howgego, Senior Assistant Keeper and Reader in Greek and Roman Numismatics, Heberden Coin Room, Ashmolean Museum; University Lecturer in Roman Numismatics

Dr C.J. Howgego continues to direct the Roman Provincial Coinage in the Antonine Period project, in connection with which he worked in the Fitzwilliam Museum. He delivered the Christmas lecture to the Royal Numismatic Society on 'Vespasian and the Blood of Richard the Lionheart', and spoke at a conference in Cambridge in honour of Harold Mattingly. He delivered nine university lectures, supervised two graduate students, and gave tutorials to one M.Phil. and one M.St. student in Greek and/or Roman History, and to two undergraduates undertaking the new Greek and Roman Coins option under Classical Archaeology and Ancient History. He spoke in the Museum to a party of A-level students from Abingdon School, provided Roman coins for handling and academic support for a Roman coin session for the Central Southern England Young Archaeologists Group, and took part in the Money! Money! Money! family session at Templars Square Shopping Centre. From January he was on sabbatical, from April as a Visiting Scholar at the University of St Andrews. He delivered university lectures at St Andrews and Edinburgh. In April he lectured in Hartford and New Haven as the William E. Metcalf Lecturer for the Archaeological Institute of America, and he also gave a paper at Yale University.

Current research interests are:

Roman provincial coinage, and Coinage and Cultural History

H.S. Kim, Assistant Keeper, Heberden Coin Room, Ashmolean Museum; University Lecturer in Greek Numismatics

Henry Kim continues to work on the Money and Coinage Before Alexander Research Project with the help of Miss A. Dowler, Dr K. Panagopoulou, and Mr Caspar Meyer. He has acted as editor for the SNG Ashmolean, volumes 9 and 11, in collaboration with Dr R. Ashton and Dr S. Ireland and has been active in developing the SNG database with Mr R. Hodges. He gave 32 University lectures on Greek numismatics and contributed to the lecture series on the reception of classical antiquity. He taught two CAAH undergraduates and three Ancient History Masters students, and supervised one Classical Archaeology M.Phil. student. He gave papers at a conference on the Athenian Coinage Decree, and to the Mid-Wales Classical Association, the Bournemouth Numismatic Society and the Anglo-American Conference of Historians 2004. He also gave talks to six groups of GCSE students, the Epigraphy Summer School, visiting students from the University of Virginia, visiting alumni from Loyola Academy, and guests attending the Oxford Literary Festival. He supervised four volunteers and continues his role as Senior Member of the Young Friends of the Ashmolean.

Current research interests are:

The beginnings and spread of Greek coinage and medals

S. Bhandare, Assistant Curator, South Asian Coins, Heberden Coin Room, Ashmolean Museum

Dr S. Bhandare visited the State Hermitage in St Petersburg and Pushkin State Museums, Moscow from 8-19 October to study the collection of Indian coins. He helped identify and attributed c.500 coins for the benefit of the host institutions. A project with the British Library was started in September 2003 to document and publish their collection of Indian coins and banknotes. This project is ongoing and is co-coordinated by Jennifer Howes, Curator of the

Oriental and India Office collection. Dr Bhandare attended a symposium 'Narratives of the Sea: The Indian Ocean World' organized by Nehru Memorial Library in New Delhi from 10-12 December 2003 and presented a paper entitled 'Money on the move: the Rupee and the Indian Ocean Region'. During this visit to India in December 2003, Dr Bhandare was given a preview of the Money Museum of The Reserve Bank of India in Mumbai. He held two meetings with curators and offered curatorial advice. He attended the Legacy of Sir Aurel Stein conference at De Montfort University, Leicester in March 2004 and presented a paper entitled 'Coins from Kashmir: the Stein Collection in the Ashmolean Museum'. He spoke further on this subject to the University Collections History Research Group on 5 June 2004. He organized three talks for the Ancient India informal discussion group in Trinity and Hilary Terms which served as an interdisciplinary avenue for scholars working on various aspects of ancient Indian studies. He was elected on to the Council of the Society for South Asian Studies at the British Academy for a period of five years commencing in 2004 and was appointed to the Advisory Committee of the European Association of South Asian Archaeologists Conference which will be held in London in July 2005.

Current research interests are:

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

V. Heuchert, Collections Manager, Heberden Coin Room, Ashmolean Museum

Dr V. Heuchert works as Collections Manager in the Heberden Coin Room for 75 per cent of his time. As a security measure, especially in anticipation of the Ashmolean Plan, Dr Heuchert completed the digital tray photography of the Heberden Coin Room's Late Roman, Byzantine, British and European collections. For conservation purposes Dr Heuchert moved 360 British lead tokens from a wooden cabinet to a metal one and made various improvements to the coin identification system. For the remaining 25 per cent of his time Dr Heuchert continues to work on the fourth volume of the Roman Provincial Coinage (*RPC*) series together with Dr Howgego and Dr Liv Yarrow. In this capacity Dr Heuchert spent six weeks at the Bodemuseum in Berlin and two weeks at the Fitzwilliam Museum in Cambridge, where he catalogued around 1,300 coins, took 500 digital photographs and made 400 plaster casts. Dr Heuchert helped editing *Coinage and Identity in the Roman Provinces* for Oxford University Press and presented at the numismatic Congress in Madrid a paper entitled 'Databases and Corpora: The Case of RPC', and published the following article: 'Roman Provincial Coinage', in C. Alfaro and A. Burnett (eds.), *A Survey of Numismatic Research 1996-2001*. Madrid 2003: International Numismatic Commission and International Association of Professional Numismatists: pp. 313-43.

Current research interests are:

Roman Provincial coinage

P. Nightingale, Research Fellow (ESRC grant)

Dr P. Nightingale has completed her project on Medieval Credit funded by the Economic and Social Research Council which was given the top grade of outstanding by the assessors appointed by the ESRC. She continues to work on publications connected with the project as an honorary member of the Coin Room and with the support of a Leverhulme Emeritus Fellowship.

Current research interests are:

Medieval credit and wealth

W.L. Treadwell, Assistant Keeper (part-time), Heberden Coin Room, Ashmolean Museum
Dr W.L. Treadwell jointly organized with Dr E. Robson the exhibition on Iraq entitled Iraq - Navel of the World which ran from April 2003 to March 2004. This highly acclaimed exhibition was the first from the Ashmolean Museum to go on-line in its entirety. Dr Treadwell also organized two conferences during November 2003 the first entitled 'Recent Research on Sogdian History in the Early Islamic Period' and the second 'Arab-Byzantine Coinage'. Papers given in Ismaili Institute, London, All Souls College, Oxford, Chester Beatty Library, Dublin and BIPS Workshop, Wadham College, Oxford.

Current research interests are:

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

Liv Yarrow, AHRB Institutional Fellow (Roman Provincial Coinage project)

Dr L. Yarrow has continued to work on the fourth volume of the Roman Provincial Coinage (RPC) series, in collaboration with Dr Howgego and Dr Heuchert. She has finished documenting the Ashmolean's own collection. Also as part of this project, Dr Yarrow spent three weeks taking digital images of specimens in the Bibliothèque Nationale, Paris, four weeks working on the collections in the Bode Museum, Berlin, and another four weeks in the Fitzwilliam Museum, Cambridge. The published material from the Glasgow collections has also been integrated into the database. She has catalogued more than 3,000 new specimens and has developed automated computer-processing techniques for digital images of both coins and plaster casts.

Julian Baker, Finds Adviser, Medieval and Post-Medieval Coins, Portable Antiquities Scheme

Dr Julian Baker identifies and verifies medieval and post-medieval stray coin finds from England and Wales, and he enters these into the database of the Portable Antiquities Scheme (www.finds.org). He advises the local Finds Liaison Officers individually on such material, and he held one training session at the Ashmolean Museum in May. In July Dr Baker spent a week in the western Peloponnese to study the medieval excavation of coins from the site of Clarentza, and in October two weeks in Istanbul to work on three fourteenth century hoards from the city, now in the Archaeological Museum. In late October he lectured at the conference La Circulation des richesses (CNRS), and in November he spoke on the dating of coins and archaeological contexts to the Byzantine Archaeology and Art Seminar. He teaches 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

Archaeological Science

G.R. Lock, University Lecturer in Archaeology

His time is divided equally between the Institute of Archaeology and directing the archaeology programme in the Department for Continuing Education. He teaches on the Archaeology and Anthropology degree course, and supervises research students. Current research interests include approaches to landscape archaeology and how the use of GIS technology can fit with current landscape theory. Fieldwork based on the Vale and Ridgeway Project in Oxfordshire (a training excavation directed with Dr C. Gosden), as well as overseeing the South Cadbury Environs Project. Other work this year has included post-excavation on material from the Ridgeway Project, the Sangro Valley Project and King's Low and Queen's Low.

Dr Lock is a Founder Director of Oxford ArchDigital Ltd., a spin-out company of the University specializing in archaeological IT consultancy and training. He has recently been appointed Track Chair for the IT and Cultural Heritage track in ECIS (European Conference on Information Systems). He is external examiner for Masters courses at the University of York and University College London, and at undergraduate level for Southampton University.

Dr Lock is involved in the formulation of educational policy for different areas of archaeology and sits on a range of committees including The Archaeology Training Forum, the Council for British Archaeology Education Committee, the Standing Committee for Archaeologists in Continuing Education and the Training Committee of the Institute of Field Archaeologists.

David Griffiths, Lecturer in Archaeology, Department for Continuing Education

David Griffiths's research project on Meols continued to progress towards completion, and the forthcoming publication was provisionally accepted by the School of Archaeology's monographs series. His Birsay/Skaill Landscape Project in Orkney progressed from the first season of survey and geophysics to test excavation at two sites in July-August 2004. He also undertook a survey of the environs of Maen Achwyfan, a Viking-age cross in Flintshire, North Wales, funded by Cadw. He organized and chaired, in conjunction with Historic Scotland and the Society of Antiquaries of Scotland, a one-day interdisciplinary research seminar on the archaeology of sand-dune sites in Scotland, held in Edinburgh in May 2004. He gave papers at conferences in Oxford, Cardiff and Glasgow. 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 first full cohort in 2004, with three candidates gaining distinctions. There are now 15 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. He was elected as FSA in February 2004.

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 presented papers at the Archaeometallurgy in Europe meeting in Milan, and at the 3rd International Conference on Early Railways. He also gave a number of invited lectures, for example at Truro College and Bristol University.

Specific research projects include:

Bronze metallurgy of the European Iron Age
Medieval Islamic mint technology
Early metallurgy in the upper Euphrates basin
Engineering metallurgy of the eighteenth and nineteenth centuries
Surface finish of Bronze Age metalwork

Mark Robinson, Lecturer in 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 and Anthropology. Teaching was also given for the environmental archaeology module of the new M.St. on Landscape Archaeology. Dr Robinson continued as Chairman of the Sub-Faculty of Archaeology.

English Heritage-funded work has mostly been concerned with writing up projects for publication. Reports have been completed for the Cotswold Water Park sites and the Iron Age to Roman deposits at Yarnton Pit, all gravel quarries in the Upper Thames Valley. Lectures and demonstrations have been given for the English Heritage Training Days. Laboratory analyses

were undertaken of samples from Silchester, Pompeii and Silbury Hill. Four weeks were spent on fieldwork in Pompeii. This included the first season of excavation of a high-status peristyle garden. Further investigations were made of the geological deposits underlying the town. Remains of a settlement including a hearth, pottery and crop-processing debris (which gave a Neolithic date) were found beneath a layer of grey volcanic ash from a prehistoric eruption of Vesuvius.

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

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

M.S. Tite, Edward Hall Professor of Archaeological Science, Director of the Research Laboratory for Archaeology and the History of Art

Lectured for the undergraduate degree course in Archaeology and Anthropology, and for the M.Sc. in Archaeological Science. Research projects on ceramics and early vitreous materials technology with three D.Phil. students being supervised. Participated (with the presentation of papers) in the following conferences: Association for the History of Glass (London), 34th International Symposium on Archaeometry (Zaragoza). Undertook field work in Egypt (Wadi Natrun and Mons Claudianus) and in Greece (collecting plant ashes from Attica and Crete).

R.E.M. Hedges, Professor of Archaeology

Since leaving the Directorship of the Radiocarbon Accelerator Unit, my main effort has been to build up research in stable isotopes, and especially in diet- and nutrition-related studies to provide a basis for a Centre for Ancient Diet and Nutritional Anthropology. I spent Trinity Term on sabbatical leave in Oxford, where I was able to develop a number of new research possibilities. These include a search for variation in boron isotopes in bone, evaluating the survival of various dietary molecular species incorporated into growing bone, and projects to investigate hair and diet isotope relationships in living populations. I also started a project for dating Levantine rock paintings in Spain, and with an M.Sc. student carried out a dating and isotopic project on an important new LBK site in Hungary.

C.B. Ramsey, University Research Lecturer, Director of the Radiocarbon Accelerator Unit

Research has focused on radiocarbon dating and other aspects of chronology. A particular focus has been high precision AMS dating for addressing issues such as the chronology of the Eastern Mediterranean in the second millennium BC and the use of statistical methods to improve dating resolution with luminescence and dendrochronological dating methods. One D.Phil. student is currently being supervised on research in Dendrochronology. Participated in (and presented papers at) the 9th International AMS Conference in Nagoya, Japan, the 18th International Radiocarbon Conference in Wellington, New Zealand, the IntCal (Radiocarbon calibration) workshop in Belfast. Organized and taught the dating section of the M.Sc. in Archaeological Science in which two students chose to write theses on radiocarbon dating this year (both have submitted papers to *Radiocarbon*).

A.J. Shortland, University Research Lecturer

Working on projects in vitreous materials including early glass from Egypt and the Near East and faience from the Caucasus and Bronze Age Europe. In September 2002, organized and led the Egyptian Deserts Expedition in collaboration with the Egyptian Geological Survey to visit sites in Egypt important in the supply of raw materials to the vitreous materials industries. Joined Professor Michael Vickers at the joint Oxford-Batumi expedition in Georgia to study the Hellenistic glass from the cemeteries there. Attended and spoke at the following conferences: The social context of technological change II, Archaeological Science 03, L'alun de Méditerranée, Institut Français de Naples, Association Internationale pour l'Histoire de la Verre, London 2003 and Association for the History of Glass, London 2003. Currently tutoring in archaeological science for the Final Honour School and Chairman of Examiners for the M.Sc. in Archaeological Science.

Conservation

M. 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 shifted to preparatory work for the Ashmolean's redevelopment. The project has placed significant demands on the Conservation Department as it plans new conservation facilities and advises on environmental and other aspects of the plans, working closely with curatorial and building design colleagues, as they become increasingly detailed. The logistics of planning for the relocation of very large parts of the Ashmolean's collections for the duration of the project have also diverted the Conservation Department from its normal activities - as a result, less interventive/investigative conservation was possible during the year.

He continues to be a co-opted member of the Committee for Museums and Scientific Collections and the Sub-Committee for Preservation of the University Libraries.

4. RESEARCH PROJECTS IN PROGRESS

4.1. *Summary Accounts of Projects*

A. Scientific investigations

Plant and invertebrate remains from Silchester

Dr M.A. Robinson

Analysis was completed of late Roman macroscopic plant remains preserved by waterlogging, charring and calcium phosphate mineralization from the University of Reading excavations at Silchester. They suggested that the town retained a fully urban character, complete with continental imports, until its abandonment in the fifth century AD.

Sponsor: British Academy via University of Reading

Yarnton-Cassington Project

Dr M.A. Robinson

Analysis continued of charred plant remains from Neolithic and Bronze Age samples from the Thames floodplain part of the excavation.

Sponsor: English Heritage

Macroscopic plant and invertebrate remains from excavations in Pompeii

Dr M.A. Robinson

Stratigraphic analysis was undertaken of the garden of a house near the Vesuvian Gate of Pompeii and the underlying geological deposits.

Plant and insect remains from Alchester

Dr M.A. Robinson

Now that the excavation on the Roman conquest auxiliary fortress at Alchester has been completed, a detailed assessment was made of all the plant and invertebrate remains extracted from the samples so that a programme of analysis could be drawn up. Finds from the site include the earliest British example of the grain weevil *Sitophilus granarius*, which had probably been imported with the grain supply for the army.

Sponsor: Royal Archaeological Institute

Materials analysis - ceramics and vitreous materials

Professor M.S. Tite, C. Doherty, Dr A. Shortland

Technological and provenance studies of ancient ceramics and vitreous materials have continued using, as appropriate, a combination of analytical scanning electron microscopy, thin section optical petrography and Fourier transform infrared spectroscopy.

Ceramic petrography Chris Doherty has undertaken a number of collaborative projects with archaeologists and in support of students. These have included an extensive petrographic analysis of amphorae and fineware pottery from the Packard Humanities Institute excavations at Zugma, Turkey.

Glass and related materials Dr Andrew Shortland has continued work on technological innovations of the mid-second millennium BC, especially the first regular production of glass and the discovery of new colorants. The majority of the work has been on the importance of these new colorants, but the application of new analytical techniques has meant that the other raw materials, especially the plant ash component which is so significant in the glass, have started to be characterized for the first time. Outside the Near East, collaborative work has continued on early faience from Britain and Russia, and Bronze Age faience and glass from the Aegean. Gareth Hatton has now completed his research into the production technology of the pigment, Egyptian blue, and expects to submit his D.Phil. thesis during 2004.

Glazed ceramics Marc Walton has now extended his research into the technology of lead glazing during the Roman period to include late Roman pottery from Italy and former Yugoslavia, as well as Byzantine, Islamic and Chinese lead glazed pottery. He expects to submit his D.Phil. thesis during 2004.

Dating - Radiocarbon Accelerator Unit

Dr C.B. Ramsey, Dr T.F.G. Higham, Dr P. Ditchfield

This has been a very busy year at the Radiocarbon Unit with routine measurements on the new AMS system just getting under way at the start of the year and culminating with the International Radiocarbon Conference in Wellington, New Zealand, at the end. The new facilities of the Unit have resulted in much improved precision and efficiency. Three members of the Unit (Robert Hedges, Christopher Ramsey and Tom Higham) attended the radiocarbon conference and between them presented nine papers with involvement in a further six. These covered many areas of recent research including further work on the volcanic eruption at Thera, results which are, with results from other researchers in Austria, now suggesting a possible shift of 100 years in chronologies from the Eastern Mediterranean in the middle of the second millennium BC. Associated with this research were developments of new methods using tree-rings together with radiocarbon to date samples to within a few decades. Research has also been under way to develop new methods for dating samples such as insects from environmental sequences and shells from the Middle/Upper Palaeolithic contexts where previous methods have been inadequate.

Other highlights of work at the Radiocarbon Unit included involvement in important projects concerned with documenting the Late Pleistocene extinction of large megafauna across Eurasia, including woolly rhinoceros, mammoth, hyaena, Irish elk and lion. In addition, we have been collaborating with the Ancient Biomolecules Centre (Zoology Department) on aDNA programmes concerned with elucidating the phylogenetic history of North American bison, bears, horses and big cats. A final highlight was the dating of the recently-discovered mandible from the Pesteră cu Oase, Romania, which produced a result of 34,000-36,000 14C years BP, making it the oldest definite early modern human specimen in Europe.

During 2003 the stable isotope laboratory has run samples from a wide range of projects. These have included palaeoenvironmental studies on soil, bone and tooth enamel carbonates from Kanjera and Ologesailie Pleistocene hominid sites in East Africa (in conjunction with Smithsonian Institution human origins program); analysis of speleothem and faunal tooth enamel carbonate samples for palaeoenvironmental studies of the Late Pleistocene deposits of Azokh Cave, Armenia (in conjunction with the Natural History Museum, London); analysis of sediment samples to investigate the palaeohydrology of a Holocene lake system in Abu Dhabi (in conjunction with the School of Geography and the Environment, Oxford University), and a study of carbon stable isotopes of fossil wood from the middle Jurassic to investigate the effects of marine carbon cycle perturbations on terrestrial flora (in conjunction with the Department of Earth Sciences, Oxford University).

At the end of the year Robert Hedges stepped down as Director of the Unit, a role he has had for some 25 years. Christopher Ramsey took over as Director, and Tom Higham as Deputy Director. Following the International Radiocarbon Conference in Wellington, it was decided that the next conference in the series would be held in Oxford in 2006.

Dating - Luminescence

Dr E. Rhodes, Dr J.-L. Schwenninger, Professor M.S. Tite, Dr A. Allsop

Approximately 35 dating projects from both archaeological and palaeoenvironmental contexts have been successfully completed. These included dating prehistoric pottery from Iran, India, Texas, New Mexico and Pennsylvania as well as burnt flint from Pakistan, Morocco and Boston Spa in West Yorkshire. A sequence of late Neolithic to Late Iron Age sediments were dated from Cladh Hallan in the Outer Hebrides, the first site in the UK to yield evidence for mummification. Further fieldwork and extensive sampling for OSL dating was undertaken at Old Scatness Broch in Shetland, Terminal 5 at Heathrow airport, R.A.F. Lakenheath, Linford quarry and Norwich football stadium.

The laboratory was also involved in dating samples from sites in Lincolnshire, Yorkshire, Norfolk, Sussex and Hampshire with funding from the government's new Aggregates Levy Sustainability Fund, a two-year pilot project managed by English Heritage. The dating results from sites in Avebury, Old Scatness and the chalk figure of the Long Man of Wilmington were featured in three television documentaries produced for BBC2, ITV and Channel Five.

Environmental projects included the dating of fluvial sediments from N. Spain (USA NSF- funded project), glaciation in Ireland, fluvial deposits of the Solent river system, lacustrine

sediments in Cornwall and raised beach deposits in the Western Isles of Scotland and Normandy in France.

Thomas Gurling from the Department of Archaeological Sciences at Bradford University joined the group for a nine-month placement period. Roger Nathan continued his D.Phil. research investigating spatial and chronological variations in environmental dose rate. Diana Bailey started research for her D.Phil. on linear-modulated OSL and the development of techniques to improve data analysis of component resolved OSL on single grain and single aliquot samples. Zoe Outram from Bradford University and Paula Lopez-Arce from Madrid University visited the laboratory to prepare samples for their Ph.D. research.

Members of the group attended the 10th International Conference on Luminescence and Electron Spin Resonance Dating and the XVI International Quaternary Association Congress, both held in Reno, Nevada, USA, presenting three talks and three posters. Eddie Rhodes gave further talks at the UK Archaeological Science 2003 Conference held in Oxford and the Qumran Dead Sea Scrolls Conference held at Brown University in the USA.

Dating - Uranium series dating of bone

Professor R.E.M. Hedges, Dr A. Pike

This NERC-supported project has continued with a second visit by Dr Pike (supported by a British Academy grant) to the Australian National University, Canberra, in order to investigate and develop the application of laser ablation mass spectrometry to the U-series dating of bone. The technique was applied to the direct dating of hominids from Africa and the Near East, notably including the Tabun Neanderthal and the Broken Hill hominids.

Dietary analysis by stable isotope methods

Professor R.E.M. Hedges, Dr T.C. O'Connell

This group, which included eight D.Phil. students this year, gave several reports on its progress to the JESIUM Stable Isotope Conference in Vienna in September. As previously, there are two main foci - new methods development (for example, the application of Ca isotopes to studying milk intake [Dr Nan-chin Chu in collaboration with Dr Gideon Henderson, Earth sciences]), and the application of standard methods to archaeological sites. Three D.Phil. theses were submitted this year namely:

- [1] Palaeoeconomy of the Eurasian Steppe
- [2] Ancient diet in Neolithic Anatolia
- [3] Establishing links between climate and environment with modern and archaeological bone isotope values

Dr O'Connell made two successful field trips to Utah to sample tissues from large mammals raised on well quantified natural diets as part of a Wellcome programme to understand how nitrogen isotope values arise.

The group has been strengthened by two new members: Ms Julie Hamilton, an

archaeozoologist who will directly assist Professor Hedges, and Ms Barbara Emery, a nutritional chemist who is assisting on the Wellcome animal tissue project.

A ninth-century AD kiln site at Shanglinhu, south China

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

Currently studying sherds, raw materials, kiln-bricks, saggars, and kiln-setting materials from a ninth century AD kiln site at Shanglinhu, south China. The work is intended to explore how the processing of local residual clays could have provided coarse materials for saggars and kiln brick making, as well as fine materials for stoneware bodies and for glaze-making. The project integrates with another study by NW of ninth century south Chinese wares that is designed to establish the relative usage of wood fuel, both to create wood ashes for glazes, and to fire the huge (50 m +) 'dragon' kilns, used in south China for stonewares at this time. A further study concerns XRF and SEM analysis of ninth century blue and white wares from Iraq. All the above projects are in collaboration with Professor Mike Tite and Chris Doherty of the RLHA, and the Ashmolean Museum, Oxford. Papers based on these studies will be presented in Beijing in May 2005, and in Shanghai in November 2005.

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: BHR Group

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: BHR Group

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: BHR Group

Soil samples from Dickett's Field, Yarnhams Farm, Hampshire

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

Analyses of the Dickett's Field soil samples. The results of this research contributed to the development of a specific particle-size analysis methodology for deposits mapped as Clay-with-flints.

Sponsor: BHR Group

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: BHR Group, 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: BHR Group

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: BHR Group

B. Excavations

Danebury Environs Roman Project

Professor B. Cunliffe, Ms E. Harrison

The Danebury Environs Roman Project is a programme of fieldwork and excavations 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 and economy in the same region. In 2004 the site chosen for study was a settlement known only from aerial photography: it lies close to Flint Farm (after which it is named). The settlement is very similar in size and form to Rowbury (excavated in 2003) and both were integrated in the same extensive field system. The excavation of Flint Farm enclosure in August 2004 showed it to be exclusively of Early Iron Age date (seventh to fifth century). Geophysical survey identified a number of circular houses within. One of these was totally excavated and proved to be a massive structure 15 m in diameter: it had been totally rebuilt on one occasion.

Sponsors: Danebury Trust, Hampshire County Council, Roman Research Trust, Haverfield Bequest

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 to record, document, and publish the earlier excavations carried out between 1961 and 1990, and at the same time to pursue archaeological investigation of the city's urban plan, street system, and infrastructure.

The campaign of 2004 (July-August) was devoted to new excavation in the North Agora and to continuing research, publication, and conservation projects. Conservation and restoration work was carried out on six further reliefs from the Sebasteion and on the equestrian monument from the civil basilica. As well as excavation in the north agora, strategic new digging in conjunction with current study projects was also carried out at the north-west city wall, at the stadium, and in the bouleuterion. A major site conservation project was focused on the columns of the temple of Aphrodite.

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 Oxford, West Bohemia, St Andrews, Batumi and Tbilisi universities participated. Parts of the early Hellenistic cemetery and the settlement were excavated. The new house had been weather-proofed over the preceding winter with the aid of a grant from the Seven Pillars of Wisdom Trust. The H.M. Ambassador to Tbilisi and Mrs MacLaren 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, Seven Pillars of Wisdom Trust

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, Roman Research Trust, The Cumber Family 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: AHRB

Androna (Andarin) Excavations and Survey, Syria

Co-directors: Dr R. Ugdeh (Hama), Dr M. Mango (Oxford), Professor C. Strube (Heidelberg).
Oxford team (for planning season 2004): Dr M. Mango, Dr M. Decker, Dr R. Hoyland, Professor
C. Mango, C. Schoening

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 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 systems 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. The Oxford team's 2004 season was spent planning in Damascus and near Androna for a landscape study of the area around the site in 2005-6.

Sponsors: Oxford team (2004): Council for British Research in the Levant (London), Craven Committee, St John's College, Meyerstein Fund (Oxford)

Euesperides (Benghazi)

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

In March-April 2004 the sixth excavation season at Euesperides took place, working in three trenches. In Area P the ante-penultimate phase of domestic occupation was revealed; it had stood abandoned for a while before being demolished during the first quarter of the third century BC. In Area Q, work continued on the houses constructed within the city defences. In Area R the excavation completed the investigation of the phases associated with purple dye production, and large contexts of crushed *Murex trunculus* shellfish were sampled. Study of the finds included quantification of the pottery assemblages to gain a picture of the city's trading links. 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)

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

In August-September 2004 a second 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 seventh-fourth century BC phases in front of the

Oratory of the Forty Martyrs, Caligulan foundations thought to be associated with the Domus Gai, and a series of monumental transformations of the area in the first century AD. In the area of the Horrea Agrippiana two phases of late Republican/early Augustan housing pre-dating the Horrea building were investigated, as well as late imperial transformations within the Horrea courtyard, and an early medieval lime kiln was documented.

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

Underwater archaeological excavation on a Bronze Age-Iron Age lacustrine settlement on Lake Luokesas, Lithuania

Dr Francesco Menotti

The Lake Luokesas Project consists of an underwater excavation of two Bronze Age-Iron Age lacustrine settlements discovered on Lake Luokesas (80 km north-east of Vilnius), Lithuania in 2001. These sites are the first two prehistoric pile dwellings ever discovered in Lithuania. Both sites were originally built on wooden stilts above the water between 50 m (site 1) and 30 m (site 2) from the lake shore. The archaeological remains lay now on the bottom of the lake at a depth of c.2 m, and they are covered by 20-50 cm of lake marl. In addition to the exceptionally well-preserved large wooden platform with intact planks, beams and piles still *in situ*, the excavated areas have yielded various pieces of pottery both of local and exotic origin, grindstones, stone axes, wooden spoons, flints, animal bones and large quantities of well-preserved food remains such as nuts, grains and berries. The site is of crucial importance not only for gaining a better understanding of prehistoric wetland settlements in Eastern Europe, but it will certainly shed some light on the mysterious beginning of agricultural development within Eastern European forested environments.

Sponsors: British Academy, Lithuanian Heritage

Geophysical/geo-archaeological investigations at Rookery Farm, Lower Kingswood, Surrey

Dr J.E. Scott-Jackson

The 2003/2004 excavation of the Lower/Middle Palaeolithic site on deposits mapped as Clay-with-flints at Rookery Farm, Lower Kingswood, Surrey was conducted principally by Surrey Archaeological Society (Plateau Group) but with collaboration (geophysical/geo-archaeological investigations) and general monitoring by the PADMAC Unit.

Sponsor: BHR Group (in conjunction with Surrey Archaeological Society)

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.

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

C. **Fieldwork**

Atlantic Seaways Project: Sark

Professor B. Cunliffe

As part of an ongoing project to study the prehistory and early history of the Atlantic seaways, an exploratory survey was made of the island of Sark. All known sites were visited and assessed and all material known to be in local collections was studied and much of it recorded. What emerged was the evident importance of the island in the Neolithic period for the production of axes and other stone implements. One of the sources used for axe production was identified. A geophysical survey was also carried out on the site of the discovery, in the eighteenth century, of the Sark hoard dating to the first century BC.

Maen Achwyfan Project

Dr D. Griffiths

Maen Achwyfan is a complete Viking-Age standing sandstone disc-headed cross 3.4 m high, which is very probably still in its original position, in a remote field in Flintshire, North Wales (an area characterized by localized Viking settlement in the tenth century). Decorated with Norse imagery and Christian motifs, it is surrounded by a ring of large barrows. Fieldwork in 2003-4 began to investigate the environs of the cross, using magnetic susceptibility topsoil mapping, magnetometry, and resistivity, in two areas, around the cross and over the largest of the nearby barrows. Results suggested the cross once stood next to a (now vanished) track, and that a secondary inhumation in the barrow is possible. Fieldwork carried out in conjunction with Oxford Archaeotechnics Ltd.

Sponsor: Cadw/Welsh Historic Monuments

Trondenes Project

Dr D. Griffiths

Trondenes is a prehistoric and medieval political and religious centre in Arctic Norway. It is the location of a substantial Iron Age and Viking Age chieftdom centre and subsequently Arctic Norway's earliest medieval stone church, which acted as a mission centre for both Norse and Saami populations. Following a successful planning seminar in 2003, a current funding bid to the Norwegian Research Council is under way by an international multi-disciplinary research team, attached to Tromsø University, for a research project from 2005 onwards.

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. Field-walking 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 has been ongoing during 2003. Both fieldwork and assessment are being undertaken jointly with Oxford Archaeology.

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 of town planning, yet remarkably little archaeological work has been undertaken here. In 2003-4 the results of non-intrusive survey work within the Saxon defences as well as the outer castle defences and Riverside Meadows have been processed, and analysis has begun of the early Anglo-Saxon cemetery excavated by E.T. Leeds.

Experimental use of a 'Bartington' fine-probe magnetic susceptibility instrument at the Palaeolithic site of Rookery Farm, Lower Kingswood, Surrey

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

Experimental use of a 'Bartington' fine-probe magnetic susceptibility instrument. Field testing of this modified instrument confirmed that it is possible to measure *in-situ* levels of soil magnetic susceptibility within excavated horizons and sections. A series of tests were carried out at the Palaeolithic site of Rookery Farm, Lower Kingswood, Surrey.

Sponsors: BHR Group, Oxford Archaeotechnics

Other notable investigations by Dr J.E. Scott-Jackson and the PADMAC Unit included:

Geophysical investigations at:

Dickett's Field, Yarnhams Farm, Alton, Hampshire

Geological and sedimentological investigations at:

Dickett's Field, Yarnhams Farm, Alton, Hampshire

Geo-archaeological investigations at:

Rookery Farm, Lower Kingswood, Surrey

Down Wood, Bradley, Hampshire

Dummer Clump, Dummer, Hampshire

Lasham, Hampshire

Plantation Farm, Berkshire

Sponsor: BHR Group

D. Publication programmes

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

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

The programme of excavations carried out on the promontory settlement of Le Yaudet (1991-2002) is now complete and is being prepared for final publication. Vol. 1 was published in 2004.

Throughout 2004 the preparation of Vol. 2 proceeded and the text has now been completed. Publication in December 2005 is anticipated. Meanwhile Vol. 3 will be prepared.

The Danebury Environs Roman Project

Professor B. Cunliffe

The ongoing Danebury Environs Roman Project is being prepared for publication as the excavation of each site is completed. The descriptive text of the Thruxton Roman Villa has been finished and a start made on the description of the multiperiod settlement of Rowbury Farm.

Lacus Iuturnae in the Forum Romanum, Rome

Project director: E.M. Steinby

Excavations were undertaken in 1982-85 in collaboration with the Soprintendenza Archeologica di Roma. In 1988 the first volume, on ancient sources and material from earlier excavations, was published; preliminary reports on the excavations have been published in periodicals and *Sammelschriften*. For the final excavation report, A. Leone has compiled and revised a new database of the findings and continued revising the stratigraphies of the preliminary excavation reports that E.M. Steinby is editing for publication. Plans and drawings have been scanned. The documentation of the 24 trenches is being redrawn in AutoCad for a better understanding of the complex stratigraphies and chronologies of the single buildings and the area as a whole.

Sponsors: Craven Committee (Oxford), Institutum Romanum Finlandiae (Rome)

The Balboura Survey, Turkey

Dr J.J. Coulton, Ms P. Armstrong, Ms A. MacDonald; Dr D.H. French (Waterford), Professor M. Kiel (University of Utrecht), Professor J.M. Wagstaff (University of Southampton)

The project, concerned with the settlement history of a highland city and territory in south-west Turkey, is in the final phases of publication. The pottery classification and catalogue have been completely revised, and that part of the report is near completion. Other catalogues are complete, and most of the maps, plans and diagrams are drawn. Most of the 'report' chapters, and five out of eight synthetic chapters, are in advanced draft. The pottery report, on which other important chapters depend, is close to its final form, but not yet in hand. Some contributions are outstanding from other contributors, and revision, editing and final preparation of some illustrations is required.

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, the 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 report is published. Post-excavation work continues for Segsbury Camp and 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, 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.

Sponsor: Getty Grant Program

The Hawkes Archive

Dr H. Hamerow

Work is ongoing to edit and publish the Anglo-Saxon cemetery at Finglesham, following the publication in 2003 of the cemetery at Kingsworthy as a School of Archaeology Monograph. An application to the AHRB for a Resource Enhancement Grant to create an on-line database of drawings and photographs of Anglo-Saxon grave-goods from Kent received an A+ rating in 2003, but no funding. The outcome of the resubmission will be known in November 2004.

The Janiculum Mills (Rome)

Dr Andrew Wilson

Work continues on preparing the final publication.

The Palaeolithic of the Marlborough Downs and Avebury Area

Dr J.E. Scott-Jackson

Much of the Palaeolithic artefact and find-spot/site information for the Marlborough Downs and Avebury area is well recorded but inevitably inaccuracies, some serious, have become incorporated into the existing data. To remove these data distortions and to facilitate a detailed analysis of this material, a total reassessment of the recorded data including the geology and geomorphology was found necessary. By combining this revised information with fieldwork, a comprehensive gazetteer of the Palaeolithic artefacts and find-spots/sites details for the Marlborough Downs and Avebury area has been produced. As each entry is individually described and discussed, it is hoped that the compilation and analyses of these data will provide the basis for future investigations and the generation of fieldwork projects using the appropriate

scientific techniques and methodologies specified. Scheduled for publication November 2004, in Brown, G., Field, D. and McOmish, D. (eds.), *The Avebury Landscape: aspects of the field archaeology of the Marlborough Downs*. Oxbow Books (for English Heritage), Oxford.

Sponsor: English Heritage

The Geological History of the Marlborough Downs

Dr H. Walkington (with I. Geddes)

Since the publication of the Geological Survey Memoir ‘The geology of the country around Marlborough’ (Osbourne White 1925) little has been written about the geology of the Marlborough Downs. This paper addresses particular aspects of the geological history of the area. Scheduled for publication November 2004, in Brown, G., Field, D. and McOmish, D. (eds.), *The Avebury Landscape: aspects of the field archaeology of the Marlborough Downs*. Oxbow Books (for English Heritage), Oxford.

Sponsor: English Heritage

Methodological issues raised by laser particle size analysis of deposits mapped as Clay-with-flints from the Palaeolithic site of Dickett’s Field, Yarnhams Farm, Hampshire

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

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. Detailed interpretation of sedimentological analyses is therefore required to identify a ‘preservation potential correlation for Palaeolithic sites on deposits mapped as Clay-with-flints’. Much of what is generally known about the sedimentology of these deposits is found in literature where grain size determinations used pipette and sieving methods. Refinement in grain-size methodologies of the fine fraction, through the introduction of laser granulometer, makes it difficult to compare laser research results with published data based on the pipette and sieving method. Our objective was to find suitable limits for the clay, silt and sand fractions to enable calibration between the pipette technique and laser granulometry (which underestimates the clay fraction). The resultant methodologies allow such calibrations to be made with confidence. By applying these methodologies, geologists, soil scientists, geomorphologists, archaeologists and other workers can access important comparative sedimentological data that would otherwise not be available for interpretation of the depositional context of the sediments/soils and any artefacts they may contain. Samples from the Palaeolithic site of Dickett’s Field, Yarnhams Farm, Hampshire, provided the focus of this work. Paper accepted October 2004 by the *Journal of Archaeological Science*.

Sponsor: BHR Group

An investigation of Acheulian knapping skill development in the manufacture of Palaeolithic handaxes

Dr V. Winton

Identifying knapping skill development in archaic humans in the Acheulian archaeological record of north-western Europe is addressed in this paper. By comparing handaxes produced by modern knappers, several important features characteristic of low-level knapping skills have been identified. The ways in which these features can be distinguished from deliberately imposed forms of Acheulian artefact morphology are discussed, as is the successful use of a new knapping skill key. To be published in Roux, V. and Bril, B. (eds.), *Knapping Stone: A uniquely hominid behaviour*. MIT Press, Massachusetts.

Sponsor: BHR Group

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 during 2003-2004, a digital archive of the artefactual material having been completed (held at Liverpool Museum) a group of specialists has been convened to analyse and write up the artefactual and topographical evidence. In 2004, texts of written contributions were assembled for review and editing - it will be published as an Oxford University School of Archaeology Monograph.

Sponsors: Society of Antiquaries of London, Roman Research Trust, English Heritage, Liverpool Museum, P.H. Holt Charitable Trust, Museums Association Millennium Sharing Skills Fellowship, Historic Society of Lancashire and Cheshire

Colonialism and material culture in Papua New Guinea

Professor C. Gosden

The project is aimed at understanding the social change brought about by colonialism in West New Britain Province of Papua New Guinea over the past century. We have looked at museum collections in Berlin, Dresden, Hamburg, Leipzig and Stuttgart, plus archival information in the German State Archives. Writing up of the project continues.

Sponsors: ESRC, British Academy

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 2005.

Sponsor: The Hebrew Union College

Tel Miqne-Ekron Field Reports

Dr Garth Gilmour

Ongoing work preparing for publication the excavation report of Field I Upper at Tel Miqne-Ekron, a large Philistine site in Israel. Scheduled for publication in 2005 as: *Tel Miqne-Ekron Excavations 1990-1996 - Field INE/SE/NW/SW: Late Bronze Age II-Iron Age II (summit of Upper City)* by S. Gitin, T. Dothan and B. MacKay, with contributions by G. Gilmour, A. Zuckerman. Ekron Limited Edition Series No. 13, editor S. Gitin.

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 the Revd. 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.

Roman silver: project 1

K.S. Painter, with Dr Annemarie Kaufmann-Heinimann (University of Basel)

A publication has been prepared of the Roman third-century silver treasure from Mâcon, to appear in the *Bulletin des Travaux Historiques* in 2005. Proofs are awaited.

Roman silver: project 2

K.S. Painter, with Dr Annemarie Kaufmann-Heinimann

Research is in progress for a paper on the discovery and early history, about 1760-1830, of the Roman silver treasures from Mâcon and the Esquiline Hill in Rome.

Roman silver: project 3

K.S. Painter

Research has begun on a study of Roman silver treasures from temples and churches.

Early Christianity: project 1

K.S. Painter

Articles on Bath, Dorchester (Dorset), Icklingham, Uley, St Albans, Wells, Worcester, the Channel Islands, and the Canterbury Silver Treasure, to appear in P. Corby Finney (ed.), *Encyclopedia of Early Christian Art and Archaeology*, Grand Rapids, Michigan. Proofs have been corrected.

Sponsor: University of Missouri

Early Christianity: project 2

K.S. Painter

A study of a fifth-century gold ingot, to appear in Peter Megaw (ed.), *The Early Christian Church at Kourion, Cyprus*. Proofs have been corrected

Sponsor: British School of Archaeology at Athens

E. Corpora, Archives and Computing Systems

Corpus Signorum Imperii Romani

Dr M. Henig

The North West Midlands fascicule was published as hoped in the summer of 2004 and was launched with a lecture by Dr Henig and a reception in Chester.

The South-East England fascicule (London, Hertfordshire and Kent) is making progress with draft entries for most items now having been made and it is hoped to progress this further in the course of the next academic year.

Sponsor: British Academy

Roman Gemstones in the Ashmolean Museum

Dr M. Henig, Dr A. MacGregor, M. Whiting, R. Wilkins, Dr C. Wagner

The work was brought to completion bar some last minute checking, but publication was delayed for a few months while subventions were raised to allow for hard-back publication and a dust-jacket in colour.

Sponsors: Ashmolean Museum and Cast Gallery, School of Archaeology

Gemstones in the Sir John Soane Museum, London

Dr M. Henig, Miss G. Seidmann

A start has been made in making an extensive revision of Cornelius Vermeule's manuscript catalogue of this important collection of ancient and modern gems, acquired by Soane in the early nineteenth century.

Sponsor: Sir John Soane Museum

Celtic Coin Index

Dr Philip de Jersey

Dr Philip de Jersey continued to maintain and update the Index, most of which is now available online (<http://www.writer2001.com/cciwriter2001/index.htm>).

Sponsor: AHRB

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, and to make the catalogue available online in collaboration with the University's Academic Computing Development Team.

Sponsors: AHRB, 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, Dr K. Panagopoulou, and Mr Caspar Meyer.

Sponsor: Stavros S. Niarchos Foundation

Sylloge Nummorum Graecorum Volumes 9 and 11

H.S. Kim

Good progress has been made on the two volumes of SNG that are in preparation, thanks in large part to the efforts of Richard Ashton and Stan Ireland who are authoring both volumes. Volume 9 (Northern Asia Minor) was handed over for editing earlier this year, with publication expected in 2005. When printed this volume will be the first of any SNG that will be produced directly from a database. Volume 11 (Southern Asia Minor) is currently being written by Ashton and Ireland, with hand-over expected during the spring of 2005.

Medieval Credit in England

Dr Pamela Nightingale

Dr P. Nightingale has completed her project on Medieval Credit funded by the Economic and Social Research Council which was given the top grade of outstanding by the assessors appointed by the ESRC. She continues to work on publications connected with the project as an honorary member of the Coin Room and with the support of a Leverhulme Emeritus Fellowship.

Sponsor: ESRC

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. Göky2ld2r2m. 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

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

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

The ArchAtlas Project: Mapping the Ancient World using GIS

Professor Andrew Sherratt, Dr Francesco Menotti

Sponsors: British Academy, Craven Fund

Relational database maintenance

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

All PADMAC field projects are documented and recorded in the PADMAC GIS, including overlays of geology, historical maps, aerial photography and SMR data. Members of the Unit are trained and have access to mapping software and Digimap via EDINA. The GIS database has been used as a predictive spatial analysis tool to identify potential Lower and Middle Palaeolithic finds-spots/sites.

Sponsors: BHR Group, AIL Ltd.

4.2. *Research Sponsors*

AIL Ltd.

- Relational database maintenance (Pitt Rivers)

Academic Services (Oxford University)

- Roman Provincial Coinage in the Antonine Period (Ashmolean)

Aphrodisias Sevenler (Izmir)

- Aphrodisias Excavations (Ashmolean/Institute)

Arts and Humanities Research Board

- The South Cadbury Environs Project (Institute)
- Celtic Coin Index (Institute)
- Roman Provincial Coinage in the Antonine Period (Ashmolean)

Ashmolean Museum and Cast Gallery

- Roman Gemstones in the Ashmolean Museum (Institute)

L'Association des Amis d'Aphrodisias (Paris)

- Aphrodisias Excavations (Ashmolean/Institute)

BHR Group

- Development of fine probe magnetic susceptibility instrumentation and methodology (Pitt Rivers)
- Investigations of wide-area magnetic susceptibility anomalies at Dickett's Field (Pitt Rivers)
- Soil samples from Dickett's Field, Yarnhams Farm, Hampshire (Pitt Rivers)
- Soil samples from Lower Kingswood and Banstead Heath, Surrey (Pitt Rivers)
- 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)
- Geophysical/geo-archaeological investigations at Rookery Farm, Lower Kingswood, Surrey (Pitt Rivers)
- Experimental use of a 'Bartington' fine-probe magnetic susceptibility instrument at the Palaeolithic site of Rookery Farm, Lower Kingswood, Surrey (Pitt Rivers)
- Geophysical investigations at Dickett's Field, Yarnhams Farm, Alton, Hampshire (Pitt Rivers)
- Geological and sedimentological investigations at Dickett's Field, Yarnhams Farm, Alton, Hampshire (Pitt Rivers)
- Geo-archaeological investigations at Rookery Farm, Lower Kingswood, Surrey; Down Wood, Bradley, Hampshire; Dummer Clump, Dummer, Hampshire; Lasham, Hampshire; Plantation Farm, Berkshire (Pitt Rivers)

- Methodological issues raised by laser particle size analysis of deposits mapped as Clay-with-flints from the Palaeolithic site of Dickett's Field, Yarnhams Farm, Hampshire (Pitt Rivers)
- An investigation of Acheulian knapping skill development in the manufacture of Palaeolithic handaxes (Pitt Rivers)
- Relational database maintenance (Pitt Rivers)

Batumi Archaeological Museum

- OxfordBBatumi Pichvnari Expedition (Ashmolean)

British Academy

- Plant and invertebrate remains from Silchester (University Museum of Natural History)
- OxfordBBatumi Pichvnari Expedition (Ashmolean)
- Underwater archaeological excavation on a Bronze AgeIron Age lacustrine settlement on Lake Luokesas, Lithuania (Institute)
- Colonialism and material culture in Papua New Guinea (Pitt Rivers)
- The Sangro Valley Project (Phase 1 publication) (Institute)
- Corpus Signorum Imperii Romani (Institute)
- The excavation coins from the two early campaigns (1906-1910; 1924-1928) of the British School at Athens from Sparta (Ashmolean)
- The ArchAtlas Project: Mapping the Ancient World using GIS (Institute)

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British School at Rome

- The Sangro Valley Project Phase II, Italy (Institute)

British School of Archaeology at Athens

- Early Christianity: project 2 (Institute)

Cadw/Welsh Historic Monuments

- Maen Achwyfan Project (Continuing Education)

City Museum, Hanley, Stoke-on-Trent

- King's Low and Queen's Low excavations (Institute)

Council for British Research in the Levant (London)

- Androna (Andarin) Excavations and Survey, Syria (Institute)

Craven Committee (Oxford)

- OxfordBBatumi Pichvnari Expedition (Ashmolean)
- Androna (Andarin) Excavations and Survey, Syria (Institute)
- Euesperides (Benghazi) (Institute)
- The Sangro Valley Project Phase II, Italy (Institute)
- Lacus Iuturnae in the Forum Romanum, Rome (Institute)

- The ArchAtlas Project: Mapping the Ancient World using GIS (Institute)

The Cumber Family Trust

- The Vale and Ridgeway Project: Excavations at Frilford, South Oxfordshire (Institute)

Danebury Trust

- Danebury Environs Roman Project (Institute)

Department of Antiquities (Ashmolean Museum)

- OxfordBatumi Pichvnari Expedition (Ashmolean)

Economic and Social Research Council

- The Relational Museum (Pitt Rivers)
- Colonialism and material culture in Papua New Guinea (Pitt Rivers)
- Medieval Credit in England (Ashmolean)

English Heritage

- YarntonBassington Project (University Museum of Natural History)
- The Palaeolithic of the Marlborough Downs and Avebury Area (Pitt Rivers)
- The Geological History of the Marlborough Downs (Pitt Rivers)
- Meols Project (Continuing Education)

Friends of Aphrodisias Trust (London)

- Aphrodisias Excavations (Ashmolean/Institute)

Friends of Aphrodisias (New York)

- Aphrodisias Excavations (Ashmolean/Institute)

Getty Grant Program

- Catalogue of Late Antique and Byzantine Antiquities in the Ashmolean Museum (Institute)

The Geyre Vakfi (Istanbul)

- Aphrodisias Excavations (Ashmolean/Institute)

Hampshire County Council

- Danebury Environs Roman Project (Institute)

Haverfield Bequest

- Danebury Environs Roman Project (Institute)

The Hebrew Union College

- Gezer VI: The Objects from Phases I and II (Institute)

Historic Scotland

- Birsay-Skaill Landscape Project (Continuing Education)

Historic Society of Lancashire and Cheshire

- Meols Project (Continuing Education)

P.H. Holt Charitable Trust

- Meols Project (Continuing Education)

Institute for Roman Culture (Rome)

- Excavations in the Roman Forum (Rome) (Institute)

Institutum Romanum Finlandiae (Rome)

- Lacus Iuturnae in the Forum Romanum, Rome (Institute)

Kellogg College

- Birsay-Skaill Landscape Project (Continuing Education)

Lane & Partners, London

- Sevso Treasure Documentation Project (Institute)

The A.G. Leventis Foundation, Paris

- Laskarina Bouras Archive Project (Institute)

Lithuanian Heritage

- Underwater archaeological excavation on a Bronze Age-Iron Age lacustrine settlement on Lake Luokesai, Lithuania (Institute)

Liverpool Museum

- Meols Project (Continuing Education)

Marjory Wardrop Fund (Oxford)

- Oxford-Batumi Pichvnari Expedition (Ashmolean)

Meyerstein Fund (Oxford)

- Androna (Andarin) Excavations and Survey, Syria (Institute)

Missouri University

- Early Christianity: project 1 (Institute)

Museums Association Millennium Sharing Skills Fellowship

- Meols Project (Continuing Education)

New York University (the Institute of Fine Arts and the Faculty of Arts and Sciences)

- Aphrodisias Excavations (Ashmolean/Institute)

Oberlin College

- The Sangro Valley Project Phase II, Italy (Institute)

Orkney Islands Council

- Birsay-Skaill Landscape Project (Continuing Education)

Oxford Archaeotechnics

- Experimental use of a 'Bartington' fine-probe magnetic susceptibility instrument at the Palaeolithic site of Rookery Farm, Lower Kingswood, Surrey (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)

Research and Equipment Committee

- Georges Tchalenko Archive Project (Institute)

Roman Research Trust

- Danebury Environs Roman Project (Institute)
- The Vale and Ridgeway Project: Excavations at Frilford, South Oxfordshire (Institute)
- Meols Project (Continuing Education)

Royal Archaeological Institute

- Plant and insect remains from Alchester (University Museum of Natural History)

Rutherford Appleton Laboratory, ISIS Facility

- Elemental analyses of patination and staining effects on flint specimens from the PADMAC Unit sites (Pitt Rivers)

St John's College (Oxford)

- Androna (Andarin) Excavations and Survey, Syria (Institute)
- Georges Tchalenko Archive Project (Institute)

School of Archaeology

- Roman Gemstones in the Ashmolean Museum (Institute)

Seven Pillars of Wisdom Trust (London)

- Oxford-Batumi Pichvnari Expedition (Ashmolean)

Sir John Soane Museum

- Gemstones in the Sir John Soane Museum, London (Institute)

Society of Antiquaries of London

- Meols Project (Continuing Education)

Society for Libyan Studies (London)

- Euesperides (Benghazi) (Institute)

Stanford University

- Excavations in the Roman Forum (Rome) (Institute)

Stavros S. Niarchos Foundation

- Money and Coinage before Alexander (Ashmolean)

Stoke-on-Trent Museum Archaeological Society

- King's Low and Queen's Low excavations (Institute)

J. Sturm

- Georges Tchalenko Archive Project (Institute)

University Collections (Oxford University)

- Roman Provincial Coinage in the Antonine Period (Ashmolean)

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- VICKERS, M. 2004d: The rise and fall of an imperial shrine: Roman sculpture from the Augusteum at Narona. *The Ashmolean* 47, 3-4.
- VICKERS, M., with KAKHIDZE, A. 2003a: The Georgian-British joint expedition to Pichvnari in 1998. *Activities of the Batumi Archaeological Museum* 3 (2002), 62-70. [In Georgian.]
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- VICKERS, M., with MARIN, E. (eds.) 2004: *The Rise and Fall of an Imperial Shrine: Roman Sculpture from the Augusteum at Narona* (Split, Archaeological Museum).
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- WHITEHOUSE, H. 2003: Archaeology wedded to art: Egyptian architecture in 19th century painting; Egypt in the snow. In Humbert, J.-M. and Price, C. (eds), *Imhotep Today: Egyptianizing Architecture* (London), 41-55; 57-73 respectively.
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WOOD, N., with RASTELLI, S. and DOHERTY, C. 2004a: Zaoqi Yaozhou qingci he Nansong Laohudong yao de jishu guangxi. (Technological relationships between Yaozhou celadons and Southern Song Laohudong ware.) *Proceedings of the International Conference of Southern Song Dynasty Official Ware (Guan Ware) of Laohudong Kiln, Hangzhou* (Hangzhou, China).

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6. RESEARCH STUDENTS STUDYING ARCHAEOLOGY IN 2003-2004
(at Trinity Term 2004)

M.Litt./D.Phil candidates

- Alzola-Romero, Aaron (St Peter's) D.Phil
Revisiting Celtiberian and Iberian Ethnicity: Material Culture and Identity
Gosden, C./Cunliffe, B.W.
2003
- Antun, Thalein (St Cross) PRS
The mosque in early Islam: Form and function
Johns, J.
1998
- Arnison, Tristan (Wolfson) PRS
Pictorial language on Roman engraved gems
Henig, M.E./Smith, R.R.R.
2000
- Bagnall-Smith, Jean (St Cross) D.Phil
Votive objects from temple sites in Roman Britain south of the Fosse Way
Henig, M.
1994
- Bailey, Diana (Keble) D.Phil
Developments in the precision and accuracy of optically stimulated luminescence
Bailey, R.M.
2002
- Bale, Louise (Keble) PRS
Identity, cultural contact and transformation: the case of Mallorca, 800B123 BC
Cunliffe, B.W.
2003
- Baron Tacla, Adriene (St Cross) D.Phil
Sacred sites and power in West Hallstatt Chiefdoms
Cunliffe, B.W.
2001
- Bartlett, Jaime (Wolfson) D.Phil
Trade, routes and transport in southern Britain and northern France during the Neolithic,
Bronze and Iron Ages
Cunliffe, B.W.
2000

- Beresford, James (Keble) D.Phil
The Seasonality of Transport and Trade during the Early Roman Empire
Wilson, A.
1998
- Bobou, Olympia (Keble) PRS
Statues of Children in the Hellenistic Period
Smith, R.R.R.
2002
- Bouchard, Dominique (Lincoln) PRS
Greek antiquities in Calabria, Basilicata and Publia: excavation, collection and scholarship
Kurtz, D.C.
2001
- Bruns, Dorothee (St Cross) D.Phil
The transition from Bronze to Iron Age in Britain. An analysis of the Llyn Fawr period metalwork
Cunliffe, B.W./Northover, P.
2002
- Bukach, David (St Cross) D.Phil
Establishing Island Histories: Examining insularity and island-specific trends in the Prehistoric archaeology of the Channel Islands
Cunliffe, B.W.
2002
- Chandler, Helen C. (University) D.Phil
A genetic survey of ancient European population
Sykes, B.
1998
- Cherstich, Luca (Brasenose) D.Phil
The southern necropolis of Cyrene
Wilson, A.
2003
- Cole, Jonathan (The Queen's) PRS
Roman Harbours of the Mediterranean
Wilson, A.
2001
- Cottier, Michel (Lincoln) D.Phil
Customs Dues in the Roman East
Bowman, A.K.
1999
- Davis, Michael (Exeter) PRS
Stable isotope analysis of humans, extinct endemic fauna and domesticated

Animals on certain Western Med. Islands

Hedges, R.

2002

- Day, Deborah L. (St Cross) D.Phil
The evolution of an archaeological landscape: Dorset from the Iron Age to the Anglo-Saxon period
Henig, M.
1996
- Dean, Cathy (St Cross) D.Phil
The seaboard of southern Britain
Cunliffe, B.W.
2002
- 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
- Dimopoulous, Johanna (Exeter) D.Phil
Byzantine Sgraffito wares, 11thB15th centuries
Mango, M.
2000
- Draycott, Catherine (Wolfson) D.Phil
Images and Identities in the Funerary Art of Western Anatolia, 600B450 BC
Smith, R.R.R.
2002
- Galanakis, Ioannis (Keble) D.Phil
Late Bronze Age Tholos Tombs in the Aegean, 1700B1200 BC
Bennet, J.
2003
- Gallagher, John (University) PRS
Bennet, J.
2003
- 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
- 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

- Green, Thomas (Exeter) D.Phil
British-Anglian relations in North Lincolnshire
Hamerow, H.
2002
- Greenland, Fiona (New) D.Phil
Cultural identities in Roman Celtiberia, the evidence of the images and monuments,
100BC-AD400
Smith, R.R.R
1998
- Haak, Abigail (Lincoln) D.Phil
Roman epigraphy in Asia M
Bowman, A.K.
2002
- Hatton, Gareth (Keble) D.Phil
The production of technology of Egyptian Blue
Shortland, A./Tite, M.
2000
- Hatzivassiliou, Eleni (Merton) D.Phil
Iconographical Themes in Attic Black-Figure Vase-Painting between 510 and 475
Kurtz, D.C.
2001
- Haysom, Matthew (Keble) D.Phil
A regional study of the evidence for religion in the Bronze Age and early Iron Age
centering on Crete
Parker, R.
2000
- Henry, Philippa A. (Wolfson) D.Phil
The changing scale and mode of textile production in Late Saxon England
Henig, M.E.
1994
- Hsu, Chin-Lia (Wolfson) PRS
Techniques of Red-figure Vase-painting in Late Sixth- and Fifth-century Athens
Kurtz, D.
2003
- Jarrar, Sabri (St Cross) PRS
The Haram al-Sharif in Jerusalem under Ayyubid Rule 1187-1260
Raby, J.A.
1999
- Jennings, Richard (St John's) D.Phil

The human occupation of southern Iberia in the late Pleistocene

Barton, N.

2003

- Johnson, Tony (Keble) D.Phil
The Long Term Dynamic Influence of Human Activity on Topsoil Magnetic Susceptibility
Tite, M./Allsop, A.
2002
- Kalaitzi, Myrina (Brasenose) D.Phil
Commemoration of the dead in Ancient Macedonia from the 5th until the 2nd Century
Smith, R.R.R.
2002
- Kamash, Zena (Magdalen) D.Phil
Water management in the Roman Near East
Wilson, A.
2001
- Kelly, Eamonn (St Cross) D.Phil
Links between the Roman world and early Ireland
Cunliffe, B.W.
1999
- Kiely, Tom (Wolfson) D.Phil
The Relationship between Cemeteries and Settlements in the Late Cypriot Bronze Age and
Early Iron Age (2600-950 BC)
Sherratt, E.S.
1993
- Kinoshita, Hiromi N. (Somerville) D.Phil
Liao (906-1125) Qidan Tombs and their Material Culture: A Reflection of Hybrid Culture
Rawson, J.M.
1998
- Kominko, Maja (Exeter) PRS
The sources of the miniatures of the Christian Topography of Cosmas Indicopleustes
Mango, M.
2002
- Krasnopolskaya, Serafima (Exeter) PRS
Narrative Cycles of native Russian Saints
Mango, M.
2003
- Kropp, Andreas (Lincoln) D.Phil
The archaeology of client kings in the Roman Near East
Smith, R.R.R.

2003

- Landau, Amy (Wolfson) PRS
Babiae, S./Raby, J.A.
2000
- Lee, Ji-Eun (St Hilda's) D.Phil
The City and Euergetism in the Second and Third centuries AD
Bowman, A.K.
2001
- 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
- Martin, Caroline (Wolfson) PRS
Feasting in the LBA and Iron Age
Gosden, C.
2003
- McCullagh, James (University) PRS
Hedges, R.
2003
- Meredith-Goymour, Hallie (Lincoln) PRS
Contextualising open-work vessels: artisans and consumers in Late Antiquity
Elsner, J.
- Methenitis, Constantinos (Merton) PRS
Early monumental architecture in the Levant, Greece and Italy
Coulton, J.
2003
- Meyer, Hans (Wolfson) D.Phil
The Discovery, Collection and Scholarship of Classical Antiquities in Russia, 1697-
1917
Kurtz, D.C.
2001
- Miles, Daniel (Hertford) D.Phil
The refinement of dendrochronology techniques in the study of oak building timbers in
mainland Britain
Ramsey, C.B.
2001
- Mottino, Benedetta (University) PRS
Rawson, J.

2003

- Nathan, Roger (St Hugh's) D.Phil
Dosimetry Studies in Luminescence dating
Stokes, S.
2000
- Papagiannaki, Anthousa (Keble) D.Phil
Byzantine ivory caskets with secular decoration, 9th-12th Centuries
Mango, M.
2001
- Papaioannou, Theodore (University) PRS
Transport, amphorae and the Economy of Western Asia Minor
Mango, M.
2003
- Patrick, Thomas (Wolfson) PRS
Patterns in Protocorinthian: Reconstructing Greek trade activity and cultural influence
from pottery distribution
Kurtz, D.C.
2003
- Pouncett, John (St John's) PRS
Lithics and Landscape
Gosden, C./Lock, G.
2002
- Price, Megan (Wolfson) D.Phil
Town and Gown, Amateur and Academic Archaeology in Oxford 1850-1920
Gosden, C.
2001
- Rababeh, Shaher (Lady Margaret Hall) D.Phil
Construction techniques of the Nabataens' free-standing buildings and rock-cut
monuments in Petra, Jordan
Coulton, J.J.
2002

- Raja, Rubina (Lincoln) D.Phil
Comparative Studies in Urban Development and Regional identities in the Eastern Roman Provinces from the Late Republic to the Mid-Third Century AD
Smith, R.R.R.
2000
- Reynard, Linda (Linacre) PRS
Application of Stable Hydrogen Isotope Analysis to the Study of Ancient Diet
Hedges, R.
2003
- Ristovska, Natalija PRS
Pathways of artistic interchange: circulation of high-value goods in Byzantium (9th-15th Centuries)
Mango, M.
2002
- Robinson, Thurstan (The Queen's) D.Phil
Settlement in Graeco-Roman Pisidia: A Study of Sia, Ariassos and their territories
Coulton, J.J.
1996
- Saunders, David (Lincoln) PRS
Representations of the dead and dying in Greek art
Kurtz, D.C.
2001
- Schachner, Lukas (St John's) D.Phil
Economic Productivity of Monasteries in the Byzantine Near East, 300-800 AD
Mango, M.
2001
- 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
- Stevens, Rhiannon (Oriell) D.Phil
Study of ancient diet using isotopic molecular information
Hedges, R.
2000
- Skaltsa, Styliani (Merton) D.Phil
Hellenistic gymnasia
Coulton, J.
2003
- Stewardson, Margaret (Lady Margaret Hall) PRS

- Kurtz, D.
2002
- Stewart, Brian (St Hugh's) D.Phil
Refitting the Past: Dunefield Nidder, South Africa
Mitchell, P.
2002
 - Suleman, Fahmida (Wolfson) D.Phil
Fatimid lustre-ware
Johns, J.
1999
 - Swift, Keith (St Peter's) D.Phil
Ancient Greek coarsewares from Euesperides, Libya
Wilson, A.
2001
 - Symonds, Matthew (Christ Church) D.Phil
The design and purpose of fortlets in the Western Roman Empire
Wilson, A.
2003
 - Szeverenyi, Vajk (St Cross) PRS
Material culture and social identities in East Central Europe c2400-1400 BC
Sherratt, A.S.
2000
 - Teo-McKinney, Catherine (St Anne's) PRS
A Study of the Origins of the Peony Moti as documented by Dated Tombs (1st-2nd Century AD)
Rawson, J.M.
2001
 - Trifkovic, Vuk (St Anne's) D.Phil
Construction of Space in Early Holocene Iron Gates Gorge
Lock, G.R./Gosden, C.
1999
 - Walker, Marshall (Lady Margaret Hall) D.Phil
An art historical approach to Early Christian Sarcophagus of Late Antiquity
Elsner, J.
2001

- Walton, Marc (Linacre) D.Phil
The dissolution-diffusion model of archaeological lead glaze formation
Tite, M.S./Shortland, A.J.
2000
- Wootton, William (Wolfson) D.Phil
Techniques of mosaic production in the Roman world
Smith, R.R.R.
2002
- 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
- Zarmakoupi, Mantha (St John's) PRS
Robinson, D.
2003

M.Phil. candidates

- Causey, Michael (St Hugh's)
Landscape
Barton, N./Lock, G.
2003
- Diatsigkou, Evgenia (Keble)
Classical
Smith, R.R.R.
2003
- Glicksman, Kristina (Exeter)
Classical
Wilson, A.
2003
- Montgomerie, Elizabeth (St Hilda's)
Classical
Mango, M.
2003
- Prins, Eric (Keble)
Classical
Bennet, J.
2003

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

M.St./M.Sc. candidates

- Alexandridou, Alexandra-Fani (Brasenose)
Classical
Kurtz, D.C.
- Boone, Watt (Lincoln)
European
Cunliffe, B.W.
- Cheney, Helen (Keble)
Arch. Sci.
Hedges, R.
- Cramp, Lucy (St Hugh's)
Arch. Sci.
Hedges, R.
- Finucane, Brian (Merton)
World
Gosden, C.
- Griffiths, Seren (Keble)
Arch. Sci.
Hedges, R.
- Honch, Noah (Lincoln)
Arch. Sci.
Hedges, R.
- Kirsanow, Karola (Lincoln)
Arch. Sci.
Hedges, R.
- Leyland, Craig (Hertford)
Classical
Steinby, E.M.
- Meyersiek, Astrid (Hertford)
European
Cunliffe, B.W.

- Manti, Panagiota (Keble)
Arch. Sci.
Tite, M.
- Mladenovic, Dragana (St Hugh's)
Classical
Steinby, E.M.
- Moore, Dudley (Brasenose)
Classical
Bennet, J.
- Nicholson, Kate (Hertford)
Arch. Sci.
Hedges, R.
- Norton, Elizabeth (Hertford)
European
Cunliffe, B.W.
- Price, David (Wolfson)
World
Gosden, C.
- Ramezani-Abhari, Tanya (St Hilda's)
Arch. Sci.
Tite, M.
- Rowlands, Edward (Keble)
Classical
Bennet, J.
- Stevens, Saskia (St Cross)
Classical
Steinby, E.M.