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AEA Membership Secretary: Dr Ruth Pelling, Senior Archaeobotanist, English Heritage, Fort Cumberland, Fort Cumberland Road, Eastney, Portsmouth, Hampshire PO4 9LD,UKE-mail: membership@envarch.net

AEA website <http://www.envarch.net>

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EDITORIAL

The Editors, in consultation with the Committee, would like to make some changes to the format and content of the Newsletter. To help us with this, we urge readers to click on the following link which will take you to a short online questionnaire. This should take only a couple of minutes to complete;

<https://docs.google.com/spreadsheet/viewform?fromEmail=true&formkey=dGF1cUNPVWhiV2lhVEh6bnhHVXEyRFE6MQ> We look forward to providing you with feedback in the May Newsletter.

This Newsletter provides information about the UK Archaeological Science and AEA Spring Conference in Cardiff, and the Autumn Conference in Kiel. Please note that in order to avoid paying an additional late payment fee you need to register for the Spring Conference by **15th March**.

The Committee would like to draw your attention to some of the benefits of AEA Membership, including Conference Support, Conference Prizes and Membership Awards. Please could members check that your membership fees have been correctly paid (see information from Ruth Pelling, the Membership Secretary on page 3).

NEWS FROM THE COMMITTEE

Your newly elected committee members are getting into the swing of their new roles, and those who've been in post for a while are knuckling down to the task of promoting Environmental Archaeology for 2013 and providing the best opportunities for members of the Association. In this newsletter we'd like to remind you of some of the benefits of membership, which are only made possible by your subscriptions, and ask that you ensure that your 2013 subs have been paid. Opportunities for AEA conference support and membership awards are included

below. We are looking forward to several developments in 2013, the first of which is the increase to three issues of *Environmental Archaeology* annually, at no increase in subscription cost. Alongside this, we are also pleased to announce the expansion of the AEA Seminar Series, starting with an event in Rome in March, and we have embraced the twittersphere! In addition to our Newsletters and website (www.envarch.net), you can now keep up to date with AEA events and the Committee's activities by following our Twitter account <https://twitter.com/Envarch> or Facebook page. We look forward to being able to announce further developments later in the year.

CONFERENCE SUPPORT

Members are reminded that they are eligible to apply for financial support to attend AEA conferences. We particularly welcome applications from those who do not have access to funding elsewhere, including members working within the commercial sector. If you want to apply to the conference fund for help to attend an AEA conference, please contact the committee's Conference Officer Rebecca Nicholson (Rebecca.Nicolson@oxfordarch.co.uk) for further details. The closing dates for applications will be announced in the Newsletter in advance of each conference for which the fund is available.

CONFERENCE PRIZES

The AEA sponsors student poster prizes at our conferences. The next poster prizes will be offered at the AEA day during the Spring meeting in Cardiff with a total of £75 prizes on offer.

AEA SEMINAR SERIES

This year's seminar series kicks off with three confirmed UK seminars and an international seminar.

UK Seminars

28th February 16.45

Dr Amy Bogaard, University of Oxford: Of secret stores and garden magic: recent archaeobotanical work at Catalhoyuk. (University of Liverpool, Seminar Room M202, Hartly Building, Brownlow Street, Liverpool, L69 3GS).

13th March 17.00

Dr Penny Bickle, Cardiff University: Diversity amongst central Europe's first farmers (Bangor University, Room G1, Main Arts Building, Bangor, Gwynedd, LL57 2DG)

International Seminars

7th March 18.00

Dr Elda Russo Ermolli, Università Federico II (Napoli): From landscapes to local historical contexts: the potentiality of palynology as a palaeoenvironmental tool. Examples from Rome and elsewhere. (The British School of Rome). Seminar in English, questions in Italian and English. <http://www.bsr.ac.uk/wp-content/uploads/Wood-and-Charcoal-Research-in-Italy-announcement.pdf>

Seminars are announced in the Newsletters, through Facebook, Twitter and via the email list, so keep an eye out for seminars near you. If you would like to present or host a seminar please contact the Publicity Officer, Dr Richard Madgwick (MadgwickRD3@cardiff.ac.uk), for further information. Seminars are free and the AEA provides refreshments at each meeting.

THE JOURNAL

From this year, *Environmental Archaeology* will be publishing three issues a year, with online submission being introduced shortly. This new publication management system will mean that once papers have been accepted and page proofs returned by the author to the Production Editor, the proof will be available as an electronic early view publication with an associated DOI on the webpage. The Journal's editor, Ingrid Mainland, would like to **encourage AEA members to submit research papers, review articles or short contributions on any aspect of environmental archaeology**. Full details regarding submission to the Journal can be found at the following website: <http://www.maney.co.uk/journals/env>, or contact Ingrid Mainland for further information.

Journal Editor:

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Online access to entire journal archive

Online access to the entire archive of *Environmental Archaeology* is available to members. Volumes 1-10 can be accessed through the AEA website (<http://www.envarch.net/publications/envarch/index.html>) and online access to Volume 11 onwards is available to **all fully paid-up and registered AEA members**. If you would like to register for online access to Volumes 11 onwards, please email The AEA Webmaster through the website (<http://envarch.net/webmaster.html>) with your chosen user name and password. When your registration has been accepted, access to the Journal will be available through a link on the AEA website (www.envarch.net).

MEMBERSHIP AWARDS

Nominations Please!

While we were delighted to announce the recipient of our first Individual 3-year Membership award at last year's AGM, we still welcome nominations for an institutional award.

The award will comprise one hard copy of the AEA Journal for a period equivalent to three concurrent calendar years to be placed in an institutional library/organization, which will benefit students studying environmental archaeology. No country is excluded. For administration purposes, a single individual within the organisation will be required to be nominated as a designated recipient of the award, but they need not be a current member of the AEA (e.g. Curator of Archaeology, XXXX Organization). Organizations (and designated individual) should be nominated by a person who has been a member of the AEA for at least 12 months standing. Nominations should be in the form of a maximum 1 page letter stating:

- 1) name of nominated library/organisation;
- 2) relationship of the nominator to the organisation and period known;
- 3) brief statement to support the named institution (i.e. why it should be the recipient).

In return for membership, the designated recipient would be required to act as a local correspondent and submit two (maximum 1000 word) articles to the Newsletter each year focused around any aspect of environmental archaeology relevant to their organization (e.g. recent developments in environmental archaeology in country/region XXXX, a recent excavation revealing environmental evidence at XXXX). In the case of this second award, the designated recipient need not necessarily be the sole author.

How to make a nomination

Nominations for both awards should be sent, preferably by email, to the AEA Chair (Dr Andy Howard). The closing date for applications is the 31st March 2013 and a decision regarding the reward will be reached at the following committee meeting (April 2013). All queries and correspondence should be directed to Andy Howard (A.J.Howard@bham.ac.uk).

MEMBERSHIP RENEWALS

We are happy to confirm that there is no change in the membership fee for 2013, which remains at the 2004 rate of **£38 (€50) for waged and £28 (€37) for students/unwaged**.

Standing order payers: please check you are paying the correct amount. Members who continue to underpay their membership subscription will not receive the Journal.

Membership renewal payments are due on 1st January each year. **If you have not yet paid** your subscription for 2013, **your payment is now overdue**. A renewal form is printed at the back of this Newsletter or can be accessed at <http://www.envarch.net/membership/membership.html>. You do not need to complete this form if you have already arranged to pay your membership fee by standing order.

Please note the publisher of *Environmental Archaeology* requires a list of members' addresses by 1st March each year in order to send out the first issue of the journal. **The journal is only sent out to fully paid-up members**. Members who pay after this date will not receive the journal until the following issue is released in the summer and autumn. On line access to the journal will be removed if payment is not received. Please contact the membership secretary if you are unsure if your payment is up to date.

WAYS TO PAY

We accept subscriptions in sterling (£) or Euro (€). There are several ways to pay and we are always seeking ways to keep costs at a minimum for members.

	Currency	Cheque	Standing Order	IBAN	Visa/Mastercard
UK	£	√	√		
Non-UK	£				√
Eurozone	€			√	

For Eurozone members, **IBAN** payments can be made into our Euro account, please contact the Membership Secretary for details of how to pay via IBAN.

Visa/Mastercard payments can be accepted from non-UK members only, due to cost. The AEA do not hold member's card details, so these must be provided each year when renewing. Credit card details should not be sent via email.

For any problems, enquiries about your account or for further information on how to pay (IBAN payment details, setting up a standing order or if you wish to pay by Visa/Mastercard) please contact the Membership Secretary **Ruth Pelling** (membership@envarch.net)

Membership Secretary:

Dr Ruth Pelling, English Heritage, Fort Cumberland, Fort Cumberland Road, Eastney, Portsmouth, Hampshire PO4 9LD United Kingdom

CONFERENCES AND MEETINGS



CARDIFF SCHOOL OF HISTORY, ARCHAEOLOGY AND RELIGION

UK ARCHAEOLOGICAL SCIENCE and ASSOCIATION FOR ENVIRONMENTAL ARCHAEOLOGY

SPRING CONFERENCE 2013, CARDIFF UNIVERSITY (UK), 11TH-14TH APRIL



The primary aim of this conference is to promote collaboration and dialogue between archaeological scientists. This group includes those active in environmental archaeological research and this conference will highlight this synergy by hosting a joint conference. To facilitate full involvement one day will focus on archaeological science in environmental archaeology and individual day rates will be available to allow a broad spectrum of participants to attend

Registration

Registration is now open for UKAS2013. Please download and complete a booking form and return to:

UKAS 2013
Finance Department
Cardiff University
Humanities Building
Colum Drive
Cardiff, CF10 3EU

or alternatively email completed forms to: UKAS2013@cardiff.ac.uk

Please return all forms by **15th March 2013** to avoid paying the additional late registration fee.

Please check our blog for further announcements and updates <http://ukas2013.wordpress.com/>

Themes

The organising committee invites oral and poster presentations from all areas of archaeological and environmental science but particularly around the themes of

- materials, technologies and skills
- landscape and climate
- lifeways and subsistence
- populations, relations and descent
- heritage science
- archaeological science in the commercial world

We encourage interdisciplinary contributions, as well as those that integrate archaeological science and cultural interpretations. This major international conference is organised by the Department of Archaeology and Conservation, Cardiff University and the Association for Environmental Archaeology.

Structure

The conference programme will start with a public archaeological science event and reception and then devote three days to presentations and discussions.

We will also be pleased to respond to informal enquiries (to be directed to the email address above).

Conference organisers: Penny Bickle, Dani Hofmann, Jane Henderson, Paul Nicholson, Rebecca Nicholson, Richard Madgwick, Yiota Manti, Steve Mills, Jacqui Mulville, Dave Watkinson, Tim Young.
c/o Archaeology and Conservation, Cardiff University, John Percival Building, CF10 2TN.

For further information about

[Cardiff University Archaeology and Conservation](#)

[Association for Environmental Archaeology events](#)

AEA AUTUMN CONFERENCE 2013

Social space and environment: landscape reconstruction in environmental archaeology Kiel University, September 27 – 29



For full information please see <http://www.aea-conference.uni-kiel.de>

The University of Kiel is proud to host the autumn meeting of the Association for Environmental Archaeology in 2013.

Environmental archaeology is expanding beyond a collection of analytical approaches used to reconstruct palaeo-environments. A more holistic approach is evolving that integrates the reconstruction of landscapes at the interface of the natural environment and anthropogenic social space. This conference will explore how environmental dynamics and cultural processes shape the natural landscape, and how the shaped environment informs the configuration of human social terrains. Next to the organic and inorganic physical conditions, social values and individual as well as societal knowledge are increasingly recognised as the impetus for past landscape formation. The focus on monuments as landmarks that visualise social spaces in Northern European Neolithic societies is one example for an integrated research design that links analyses of social differentiation with research on changing environmental conditions: Here, ritual spaces can be separated from economic spaces. Past human activity has led to the establishment of increasingly diverse habitats for wild and domestic plants, animals, and for man; the new physical habitats influenced societal knowledge and possibly stimulated technical innovations. The application of agriculture, as human-environment interaction, is one expression of the

establishment, maintenance and reproduction of social relations. Thus, the environmental settings influence the range of social practices. From this given examples, we would like to open the stage for presentations on integrative environmental-archaeological research, to address questions such as:

What are the underlying processes for the environmental dynamics and the cultural processes that influence the shaping of landscapes in space and time? Are complex societies developing in a social frame, independent from environments? How far do the natural settings predefine decisions of ancient societies? How do we identify complex societal structures and can we trace the individual in the bio-archaeological record?

We invite, in particular, papers that explore different lines of evidence, integrating the analysis and interpretation of bio-archaeological proxies with the reconstruction of social space; the latter including, besides functional interpretations of ancient economies, the embedding of ancient ideological concepts or values in individuals and societies.

Dates & Facts

- Registration opens on **March 1st, 2013**
- Deadline for abstract submission (papers and posters): **May 31st, 2013**
- Registration deadline: **July 12th, 2013** (later registration will incur a late booking fee)
- Conference fees: AEA members 80 €, student AEA members 60 €, non-AEA members 90€, student non-members 70 € (fees cover participation in all sessions, as well as coffee breaks; accommodation, field trips and conference dinner are not included)

Contact

e-mail address for enquiries: aea-conference@gshdl.uni-kiel.de (to register, please use the template which will be online from March 2013)

Organising committee:

- Institute of Prehistoric and Protohistoric Archaeology / Graduate School Human Development in Landscapes
 - Wiebke Kirleis
 - Walter Dörfler
 - Johannes Müller
 - Mara Weinelt
- Institute for Ecosystem Research / Graduate School Human Development in Landscapes
 - Ingmar Unkel

PLOUGHING AHEAD: research into old world draught tillage, its technological development, environmental impact and socio-economic implications

Date: Friday 15th March 2013. Registration is now open

For the programme and further details see :

<http://farmingunearthed.wordpress.com/ploughing>

Cost: £15 covers registration, tea/coffee, sandwich lunch, and wine reception. An additional £17 covers dinner at a local pub afterwards.

Financial support: we are able to offer some financial support to postgraduate participants – please indicate your interest by checking the appropriate box on the registration form. Other participants are advised to apply to institutional funds or learned societies, e.g. the [MSRG](#).

Location: Oxford University Department for Continuing Education, Rewley House, 1 Wellington Square, Oxford, Oxfordshire, OX1 2JA

Contact: ploughing.ahead@gmail.com

CALL FOR PAPERS : XXXVI ANNUAL MEETING OF THE SERBIAN ARCHAEOLOGICAL SOCIETY

30 May - 1 June 2013, Novi Sad, Vojvodina, Serbia

Section for Bioarchaeology

Session: Reconstructing prehistoric food sources and food habits: procurement, preparation and presentation of food in the Neolithic Balkans

Session convenors:

Dragana Filipović

School of Archaeology, Oxford University, UK

Selena Vitezović

Institute of Archaeology in Belgrade, Serbia

David Orton

Institute of Archaeology, University College London, UK

Food provision was crucial to people in ancient times and the principal occupation of many. A number of foods that we eat today have a long history of consumption. In order to find out what people ate in the past archaeologists study remains of past meals in the form of animal bones, plant parts and food residues. Beyond diet itself, the archaeology of food investigates issues such as the methods of food procurement (i.e. hunting, fishing, gathering, agricultural production) as well as subsequent steps in the manipulation of food including processing, distribution, storage, preparation, and, ultimately, consumption of food and disposal of leftovers. Research into the remains of food and food-related materials and objects offers a clear picture of food sources in the past and methods and technology used for their exploitation. The aim of this session is to consider the evidence of food and related activities - from food provision to the act of eating - in the Neolithic Balkans. We welcome papers presenting investigations into the range, seasonality and accessibility of plant and animal food resources; the structures, tools and techniques, as well as (physical) locations used for production, processing and storage of foodstuffs; methods and objects used in food preparation and presentation (e.g. cooking practices; tableware), as well as food discard; and (more) direct evidence of food consumption (analysis of gut contents, human excrement, stable isotopes, biomolecules etc). The session seeks to bring together researchers sharing an interest in the Neolithic Balkans, and to provide an overview of subsistence and food consumption mechanisms by combining the results from botanical, faunal, lithic, ceramic, architectural and other relevant analyses at Neolithic sites in the Balkans.

Abstract submission deadline: **15 March 2013**

If you are interested in submitting a paper or a poster, please send your abstract (up to 500 words, in Word format) by 15 March 2013 to drfilipovic12@gmail.com or vfilipov1@gmail.com

We especially welcome papers/posters from students, as well as non-archaeologists who can provide insights into the session theme.

You will be informed by email by Friday **29 March 2013** whether your submission has been accepted.

Registration for the conference will open shortly afterwards. Accepted abstracts will be included in the SAS 2013 Book of Abstracts. The languages of the meeting are English and Serbian. Oral presentations should be no longer than 15 minutes plus 5 minutes for discussion.

*** Registration fee is 35€ and is payable at the meeting.

Further details on the exact location of the meeting, transport and accommodation options will be sent as required.

We look forward to seeing you in Novi Sad.

19TH ANNUAL MEETING OF THE EUROPEAN ASSOCIATION OF ARCHAEOLOGISTS (EAA)

4th-8th September 2013, Pilsen

Session title: *Integrated novel applications for dietary reconstructions in Prehistory.*

As part of the 19th Annual Meeting of the European Association of Archaeologists (EAA), to be held next September in Pilsen (Czech Republic), we are organizing a session that will present topics on how novel techniques are contributing to our knowledge of prehistoric diets. We would like to invite you to take part in our session, which is included in the major theme "**Archaeology of food and drink**" at the Conference.

Session title: Integrated novel applications for dietary reconstructions in Prehistory.

Abstract: Dietary reconstructions are key to understanding past patterns of subsistence, which inform about population dynamics and socio-cultural characteristics of different communities. The poor preservation of organic material adds to the complexity of this field of research. However, over the last few decades, novel techniques have contributed considerably to our knowledge of ancient diets, as attested by the wide array of publications on the subject. Biogeochemical techniques in particular, have shown a remarkable adeptness at acquiring data from a variety of archaeological artefacts (e.g. ceramics, lithics, textiles, sediments, plant remains, human and animal tissues), including material which was not routinely targeted before now, such as dental calculus. Biomarker and isotopic analyses are at the forefront of this research. These techniques allow

an intensive exploitation of archaeological material that is often available only in small quantities, and would otherwise not have been considered viable for analysis. This session will focus on novel approaches to dietary reconstructions in prehistory that are integrated with archaeological data, including multidisciplinary projects that address research questions from different perspectives. Studies using high resolution microscopy, proteomics, genetics, isotope and organic residue analysis are welcome. Submissions addressing pitfalls in the analytical techniques utilised are also encouraged, as well developments on less destructive sampling techniques. The **deadline** to register a paper or poster for the session is **March 15th, 2013**. You can do it directly at this link:

<http://proposal.eaa2013.cz/submission/form.php?tema=Archaeology%20of%20food%20and%20drink&temashort=5&session=Integrated%20novel%20applications%20for%20dietary%20reconstructions%20in%20prehistory>

Dr. Cynthia Debono Spiteri
Max-Planck Institute for Evolutionary Anthropology

Dr. Beatrice Demarchi
BioArCh, University of York (UK)

Dr. Domingo Carlos Salazar García
Max-Planck Institute for Evolutionary Anthropology

Second Announcement
10-15 August, 2013, Kursk & Voronezh regions, Russia



For further information see <http://paleopedology.msu.ru/paleopedology2013>

**INTERNATIONAL WORKSHOP ON ARCHAEOLOGICAL SOIL MICROMORPHOLOGY
AND THE DIG CONFERENCE 2013.**

2nd – 6th September 2013, University of Basel

For further information see our homepage:
<http://geoarch.ipna.unibas.ch/WASM&DIG/home.html>

Organizing committee;

Philippe Rentzel
David Brönnimann
Kristin Ismail-Meyer
Christine Pümpin
Philipp Wiemann

CALL FOR PAPERS: JOURNAL OF COMMUNITY ARCHAEOLOGY & HERITAGE

Maney Publishing is launching a new journal in 2014: <http://www.maneypublishing.com/journals/cah>
Journal of Community Archaeology & Heritage is intended for participants, volunteers, practitioners, and academics involved in the many projects and practices broadly defined as 'community archaeology'. This is intended to include the excavation, management, stewardship or presentation of archaeological and heritage resources that include major elements of community participation, collaboration, or outreach.

It will publish 3 issues per year and will be co-edited by Carol McDavid (Community Archaeology Research Institute, Inc, Houston, USA), Adam Gutteridge (University of York, UK) and Suzie Thomas (University of Glasgow, UK).

If you are interested in submitting an article to the journal or wish to discuss the scope, please email a short summary to the editors at communityarchaeologyjournal@gmail.com

Visit the journal page for more information: <http://www.maneypublishing.com/journals/cah>

Jennie Agar

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Email: j.agar@maneypublishing.com

ETHNOBIOLOGY LETTERS (EBL)

The Society of Ethnobiology is pleased to announce the completion of the third volume of Ethnobiology Letters (EBL), a gold open access, fully online journal for short communications. We invite you to read our most recent, newly completed issue of EBL which is exclusively available here on the Society's website: <http://ethnobiology.org/publications/ethnobiology-letters/3>. Volume three includes eight research articles and eight book reviews. The volume opens and closes with a letter about the ethics of publishing from our new editor James Welch, who was recently elected to the Society's Board of Director's seat for Outreach-Inreach Coordinator.

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journal website: <http://www.ethnobiology.org/publications/ethnobiology-letters>

CALL FOR PAPERS "AMERICAЕ: THE EUROPEAN JOURNAL OF AMERICANIST ARCHAEOLOGY"

Papers related to wood and/or charcoal studies in North or South America are requested. The articles will be published a new open access, peer-reviewed archaeology and ethnohistory journal that is funded in part by the Centre National de la Recherche Scientifique (CNRS) of France, and coordinated by the CNRS's UMR 8096 "Archéologie des Amériques" laboratory. The journal is not yet online, but its debut is planned for Fall 2013.

For more information, please contact: americae@mae.cnrs.fr
See this link for the original text (and for versions of the call in Spanish, French, and Portuguese):
<http://americae.hypotheses.org/132>

The archaeology of wood use and craftsmanship in the Americas

Although wood remains are still often considered rare finds at archaeological sites, their recovery is increasing across the Americas, in the form of charcoal, artifacts, architectural elements and traces of their past presence.

For example, wood constitutes the most abundant archaeological remains preserved at the now unanimously accepted oldest site in the Americas, Monte Verde (Chile). Thus, wood is gradually gaining consideration in Americanist Archaeology as a critical resource for the development of past societies.

Recent research from around the globe demonstrates the nuanced and multi-faceted potential of wood analysis to go beyond simply identifying fuel and construction taxa. However, in the Americas, certain aspects of the method and theory of archaeological wood studies, particularly anthracology (charcoal analysis), have not yet developed to the same extent as they have in Europe and other regions. Nonetheless, in other subfields, such as dendrochronology, Americanist scholars are recognized leaders. When wood remains are analyzed in Americanist archaeology, it is primarily in the context of paleoenvironmental reconstruction. However, this environmental emphasis may lead us to overlook (or disconnect) the other significant roles that wood resources can play in the wider context of human ecology and economy.

This call for papers aims to demonstrate the diversity, breadth and richness of wood analysis in the Americas to highlight the importance of this resource in many contexts, whether it is abundant or scarce. We welcome papers that describe new methods, new finds or broader syntheses that combine various types of wood analysis (e.g., anthracology, dendrochronology, chemical analysis, technological analysis, and ethno-archaeology) to answer questions about humans' relationships with their woody environment and wood resources. All archaeological time periods and geographical locations within North and South America will be considered.

Michelle Elliott

MSc OSTEOARCHAEOLOGY, UNIVERSITY OF SHEFFIELD, UK

We are currently recruiting for our MSc Osteoarchaeology for the academic year 2013-14:

<http://www.shef.ac.uk/archaeology/postgraduate/masters/courses-available/osteoarchaeology>

If you know of any interested student please let them know that they are welcome to get in touch with me should they have any questions.

Please also note funding deadline:

<http://www.sheffield.ac.uk/postgraduate/research/scholarships/ahmasters>

Umberto Albarella

ARCHAEOLOGY MSc (BY RESEARCH), UNIVERSITY OF NOTTINGHAM, UK

We are pleased to announce that we have just transformed our Masters provision and are now recruiting for our new MSc by Research in Archaeology at the University of Nottingham. Full details are soon to be advertised but we can report that students will be able to undertake a bespoke programme of bio-archaeological tuition and training, tailored to their individual research interests and career ambitions.

Our 2013-14 students will have the following opportunities:

- Tuition in osteoarchaeological and archaeobotanical theory, method and practice via modules including Practical Zooarchaeology, Practical Archaeobotany, Topics in human evolution, Professional Bio-archaeology, Human burial practices, Foodways, Beastly Questions: Animal Answers to Archaeological Issues.
- Work in close association with staff (Alexandra Livarda, Hannah O'Regan, Holly Miller, Naomi Sykes)
- Make original contribution to our on-going research projects, such as www.fallow-deer-project.net , www.chickenco-op.net and 'spicing-up life: the social role of plants'
- Participate in the Minoan excavation at Palaikastro, Crete (Greece) and contribute to original bio-archaeological research in the Aegean
- Develop skills and learn how to carry out zooarchaeological and archaeobotanical assessments and reports for the commercial sector in archaeology.

- Have access to funding (up to £500) to support personal research
- Undertake one-month placement (October 2014) on a research project, in the commercial sector, in academia or with a heritage institution – students can apply for up to £1000 funding to support this.

Finances and Funding Available:

- For HEU students the degree costs £3,924 (considerably cheaper than many MA programmes)
- University bursaries are available <http://www.jobs.ac.uk/job/AFX545/postgraduate-studentships/>
- Two £1,000 fees waivers are available for students willing to act as laboratory technicians/research assistants (maximum of 80 hours work) – contact Naomi.sykes@nottingham.ac.uk or Alexandra.Livarda@nottingham.ac.uk for more information
- Access to **Next Generation Archaeology Fund**. Our students can apply for funding to support their term-time research (up to £500), and one-month placements (up to £1000) during October 2014.

For details of how to apply see <http://www.nottingham.ac.uk/archaeology/prospective/postgraduate/index.aspx>

For any queries or to discuss potential research projects and funding opportunities, feel free to contact Naomi.sykes@nottingham.ac.uk or Alexandra.Livarda@nottingham.ac.uk

Dr Alexandra Livarda

Lecturer in Archaeology
Department of Archaeology
University of Nottingham
University Park
Nottingham NG7 2RD
UK
Tel. +44(0)115-846-8876

MSc COURSES, BOURNEMOUTH UNIVERSITY, UK

Bournemouth University continues to welcome applications for **MSc Osteoarchaeology**. This is a well-established and popular MSc programme which encompasses Zooarchaeology and Human Osteoarchaeology. <http://courses.bournemouth.ac.uk/courses/postgraduate-degree/osteoarchaeology/msc/109/>

We also offer related programmes in MSc Archaeological Practice, MSc Biological Anthropology, MSc Forensic Archaeology and MSc Forensic Osteology. <http://courses.bournemouth.ac.uk/courses/postgraduate-degree/archaeology/457/>

MSc by Research in Applied Sciences is also available and we can support projects in a range of subjects, including zooarchaeology, osteoarchaeology and biological anthropology. <http://courses.bournemouth.ac.uk/courses/postgraduate-degree/applied-sciences-by-research/msc/3052/>

Funding opportunities and information are available via our website. <http://www.bournemouth.ac.uk/futurestudents/postgraduate/funding/index.html>

Dr Ellen Hambleton
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2013 NEWTON INTERNATIONAL FELLOWSHIPS

The 2013 Newton International Fellowships competition is now open. The purpose of this scheme, run by The British Academy and the Royal Society, is to facilitate non-UK based post-doctoral researchers to build and maintain links with leading researchers, in their respective fields, in the UK. Its aim is to select the very best

early stage post-doctoral researchers from all over the world, and offers support for two years at UK research institutions.

The Fellowships cover the broad range of physical, natural and social sciences and the humanities. They provide grants of £24,000 per annum to cover subsistence and up to £8,000 per annum to cover research expenses, plus a one-off relocation allowance of up to £2,000. In addition, Newton Fellows may be eligible for follow-up funding of up to £6,000 per annum for up to 10 years following the completion of the Fellowship.

Successful applications should be strong in all the following aspects:

1. The academic research background of the Fellowship Applicant.
2. The quality of the proposed research project.
3. The expected benefits for the career development of the Applicant.
4. The track record of the UK Sponsor and host organisation in the area of proposed research.
5. The suitability of the UK Sponsor and host organisation for the Applicant's research project.
6. The additional benefits for the UK Sponsor and host organisation.

The UK Sponsor will act as your main research contact in the UK, providing research support and guidance, access to necessary facilities, and assistance with practical and research arrangements. The Sponsor must hold a permanent or fixed-term contract (lasting for the duration of the Fellowship) in a publicly-funded research organisation in the UK. The Sponsor will liaise with the host organisation to facilitate the Fellowship.

The deadline for applications is the 10th of April, 2013.

For further details, please see <http://www.newtonfellowships.org/>

The Department of Archaeology, Classics and Egyptology of the University of Liverpool can support up to 2 postdoctoral researchers working in fields relevant to our core research areas, including archaeobotanical and palaeoenvironmental research, with emphasis on charcoal analysis/ anthracology. Recently expanded, our Archaeobotany laboratory can accommodate research projects of post-doctoral level in these fields.

Please contact me directly for further information and to discuss potential applications.

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BIBLIOGRAPHY

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BOOK

U. Albarella and A. Trentacosta (2011) *Ethnozoarchaeology. The present and past of human-animal relationships*. Oxbow, Oxford

CHAPTERS

U. Albarella (2010) Wild boar. In T. O'Connor and N. Sykes (eds.), *Extinctions and invasions: a social history of British fauna*. Oxbow, Oxford pp. 59-67.

C. Bakels (2012) Driven by a rising sea level: three case studies taken from the Dutch peat. In: A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 49-58.

- W. Dörfler (2012) Salz als ein bestimmender Faktor für das Bevölkerungswachstum und die Agrarökonomie vorgeschichtlicher Bauern [Salt as a deciding factor in the growth of population and farming economy of prehistoric farmers]. In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 91-104.
- T. Doppler, S. Pichler, B. Röder, et al. (2012) All in good tradition? Some thoughts on cultural markers in a late Neolithic lakeside dwelling from Switzerland. In M. S. Midgley and J. Sanders (eds.), *Lake dwellings after Robert Munro; the lake dwellings of Europe*. Leiden pp. 93-112.
- P. Halstead and V. Isaakidou (2011) A pig in the hand is worth two in the bush: ethnoarchaeology of pig husbandry in Greece and its archaeological implications. In U. Albarella and A. Trentacoste (eds.), *Ethnozoarchaeology: the present and past of human-animal relationships*. Oxbow, Oxford
- C. Herbig (2012) Unkraut oder in Gärten kultivierte Heilpflanze? Die Rolle des schwarzen Bilsenkrauts (*Hyoscyamus niger* L.) im Neolithikum - neue archäobotanische Nachweise in linienbandkeramischen Brunnenbefunden in Sachsen [Weed or cultivated medicinal plant? the role of henbane in LBK well finds in Sachsen]. In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 147-158.
- S. Jacomet and A. Kreuz (2013) Zur Geschichte der Archäobotanik (The history of archaeobotany). In C. A. Burga (ed.), *Oswald Heer, 1809-1883. Paläobotaniker, Entomologe, Gründerpersönlichkeit*. Neue Zürcher Zeitung, Zürich pp. 315-324.
- S. Karg and T. Märkle (2012) Seifenkraut: ein (ur)altes Wasch und Heilmittel. Archäobotanische Nachweise, Schriftquellen und Experimente zu den Nutzungsmöglichkeiten des Seifenkrautes *Saponaria officinalis* L. [Soapwort as an ancient washing and healing herb, from archaeobotany, literature and experiments] In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 159-171.
- L.I. Kooistra (2012) Die pflanzlichen Grundnahrungsmittel der Rheinarmee vor und nach der Grundung der Germania inferior [The plant food of the Rhine army before and after the foundation of Germania inferior]. In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 171-188.
- H. Kroll (2012) Der Kaktus des Bronzezeit: die Eseldistel *Onopordum acanthium* L. [*Onopordum acanthium* as the cactus of the Bronze Age] In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 189-192.
- M. Kühn and L. Wick (2010) Pflanzenreste in Koproolithen von Schafen und Ziegen: was frassen die kleinen Wiederkäuer von Pfäffikon-Burg? [Plant remains in coprolites of sheep and goats; what did the small ruminants of Pfäffikon-Burg eat?]. In U. Eberli (ed.), *Die horgenzeitliche Siedlung Pfäffikon-Burg*. (Monographien der Kantonsarchäologie Zürich 40) Zürich und Egg, Zürich pp. 256-261.
- L. Lloveras, S. Albizuri, R. Thomas, et al. (2012) La paleopatología animal como indicador de la interacción entre comunidades humanas y faunísticas en las sociedades del pasado [Animal palaeopathology as an indicator of the interaction between humans and animals in past societies]. In D. Turbón et al. (eds.), *Biodiversidad humana y evolución*. Universidad de Barcelona, Barcelona pp. 345-348.
- S. Riehl (2010) Flourishing agriculture in times of political instability. The archaeobotanical and isotopic evidence from Tell Atchana (Chapter 10). In A. K. Yener (ed.), *Tell Atchana, ancient Alalakh. The 2003-2004 excavation seasons*. Koc Universitesi Yayinlari, Istanbul pp. 123-136.
- M. Rösch, E. Fischer, et al. (2012) Pollenanalysen an drei Bohrkernen aus dem Profundal des Ortasees (Piemont, Italien) [Pollen analyses of three cores from Lago de Orto, Italy]. In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 225-248.
- J. Schibler (2013) Bone and antler artifacts in wetland sites. In F. Menotti and A. O'Sullivan (eds.), *The Oxford handbook of wetland archaeology*. Oxford University Press, Oxford pp. 339-355.
- R. Thomas (2012) Non-human palaeopathology. In J. Buikstra and C. Roberts (eds.), *The global history of palaeopathology: pioneers and prospects*. Oxford University Press, Oxford pp. 652-666.
- W.O. Van der Knaap and F.N. Van Leeuwen (2012) Pollen from the northern Adriatic Sea tracks human impact on vegetation in mainland Italy. In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 301-310.
- J. Wiethold (2012) Hirse, Hanf und Hohldotter - Pflanzenfunde aus einem römischen Brunnen in Otterbach, Kr. Kaiserslautern [Millet, hemp and *Myagrum perfoliatum* from a Roman well in Otterbach]. In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 311-324.

J. Wunderlich, C. Herbig, et al. (2012) Landschafts- und Flussgeschichte der unteren Donau im Umfeld des Siedlungshügels Magura Gorgana (Südrumänien) [Landscape and river history of the lower Danube near the occupation mound Magura Gorgana, S. Rumania]. In A. Stobbe and U. Tegtmeier (eds.), *Verzweigungen*. (Frankfurter Archäologische Schriften 18) Habelt, Bonn pp. 333-350.

ARTICLES

P.L. Armitage (2012) Archaeological evidence of fish in the diet of the garrison at the Berry Head Forts, Brixham (Torbay) 1794-1817, with special reference to European hake *Merluccius merluccius*. *Post-medieval Archaeology* 46(1): 196-210

O. Brinkkemper (2011) Botanische macroresten; archeobotanisch onderzoek aan Appel-Nijkerk [Plant macrofossils from Appel-Nijkerk, The Netherlands]. *Rapportage Archeologische Monumentenzorg* 85: 73-78 ((in J. van Diesburg et al, IJzer en Aarde))

O. Brinkkemper and H. Van Haaster (1912) Eggs of intestinal parasites whipworm (*Trichuris*) and mawworm (*Ascaris*): non-pollen palynomorphs in archaeological samples. *Review of Palaeobotany and Palynology* 186: 16-21

S. Davis, E. Svensson, U. Albarella, et al. (2012) Molecular and osteometric sexing of cattle metacarpals: a case study from 15th century Beja, Portugal. *Journal of Archaeological Science* 39: 1445-1454

K. Deforce, J. Bastiaens, W. Van Neer, et al. (2013) Wood charcoal and seeds as indicators for animal husbandry in a wetland site during the late Mesolithic - early Neolithic transition period (Swifterbant Culture, ca 4600-4000 B.C.) in NW Belgium. *Vegetation History and Archaeobotany* 22(1): 51-60

E. Fudge and R. Thomas (2012) Man and beast; "visiting your troops of cattle". *History Today* 62(12): 37-41

J. Hamilton and R. Thomas (2012) Pannage, pulses and pigs: isotopic and zooarchaeological evidence for changing pig management practises in 14th century England. *Journal of Medieval Archaeology* 56: 234-259

R.C.G.M. Lauwerier and O. Brinkkemper (2012) Archeobotanie en archeozoölogie in Malta - onderzoek. *Rapportage Archeologische Monumentenzorg* 205: 1-45 (A survey of archaeobotanical and archaeozoological studies in archaeological projects in The Netherlands)

M. Masseti, U. Albarella and J. De Grossi Mazzorin (2011) The crested porcupine, *Hystrix cristata* L. 1758, in Italy. *Anthropozoologica* 45(2): 27-42

M. Rösch (2012) Forest, wood and man. *Interdisciplinaria Archaeologica* 3: 9 pp

P. Rowley-Conwy, U. Albarella and K. Dobney (2012) Distinguishing wild boar from domestic pig in prehistory: a review of approaches and recent results. *Journal of World Prehistory* 25: 1-44

L.M. Shillito (2013) Grains of truth or transparent blindfolds? A review of current debates in archaeological phytolith analysis. *Vegetation History and Archaeobotany* 22(1): 71-82

P. Sjögren and J.E. Arntzen (2013) Agricultural practices in arctic Norway during the first millennium B.C. *Vegetation History and Archaeobotany* 22(1): 1-15

R. Thomas and J. Grimm (2011) The role of age, sex and body weight in the formation of "buttresses" on sheep metatarsals. *International Journal of Palaeopathology* 2: 121-125

R. Thomas and N. Johannsen (2011) Articular lesions in cattle phalanges and their archaeological relevance. *International Journal of Palaeopathology* 2: 43-54