



# Association for Environmental Archaeology

Newsletter 82  
November 2003

ISSN 1363-6553

## Edited by Wendy Carruthers and Vanessa Straker

Copy dates for Items for the Newsletter may be submitted by e-mail or on disk. Newsletter: 20th of the following months - January / April / July / October. Short typed manuscripts can be sent to Wendy Carruthers.

(e-mail addresses: [wendy.carruthers@virgin.net](mailto:wendy.carruthers@virgin.net); [vanessa.straker@english-heritage.org.uk](mailto:vanessa.straker@english-heritage.org.uk)

Vanessa Straker, English Heritage SW, 29 Queen Square, Bristol BS1 4ND

Wendy Carruthers, Sawmills House, Castellau, Llantrisant, Mid Glamorgan CF72 8LQ (Tel: 01443 223462).

**AEA Membership Secretary:** Jane Richardson, Archaeological Services WYAS, PO Box 30, Nepshaw Lane South, Morley, Leeds LS27 0UG, Tel: 0113 3837509; e-mail: [membership@envarch.net](mailto:membership@envarch.net)

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

## Contents

Editorial .....	1
Change of address .....	1
News from the Committee .....	2
Book Offers .....	7
Conferences & Meetings .....	8
Announcement .....	11
Job Advertisement .....	11
JQS Content List .....	12
Publications .....	13
AEA Accounts .....	19
Bradford Booking Form .....	20

## EDITORIAL

We would like to draw attention to the News from the Committee section, 'Change in Subscription rates' (p.2), as this requires prompt action from members with standing orders.

We are now sending the Newsletter out as a .pdf file, as it is quicker to download and more compact. If anyone has problems with this, please e-mail one of the Newsletter editors and we will send you a Word version. You can download an Acrobat reader free from the internet ([www.adobe.com](http://www.adobe.com)).

This issue of the Newsletter contains information about the one-day AEA meeting in Bradford in April, including a call for papers and booking form. There are also more details about the 25<sup>th</sup> Anniversary Symposium at Bad Buchau in September 2004.

---

## CHANGE OF ADDRESS

### Patricia Wiltshire

Although anyone can still contact me via the Institute of Archaeology because I am an honorary lecturer there, my new laboratory, and main place of work, is at: Forensic Alliance Ltd., Culham Research Park, Abingdon, Oxford, OX14 3ED. I aim to move from Surrey to the Oxford area within the next year but, in the meantime, please use my old telephone number (01372-272087).

**Lisa Moffett**

English Heritage WM  
Archaeological Science Advisor  
112 Colmore Row  
Birmingham B3 3AG  
tel: 0121 625 6875  
mob: 07769 960022  
email: [lisa.moffett@english-heritage.org.uk](mailto:lisa.moffett@english-heritage.org.uk)

**Vanessa Straker**

English Heritage SW  
Archaeological Science Advisor  
29 Queen Square  
Bristol  
BS1 4ND  
  
0117 975 0689  
mobile 07789 745054  
email: [vanessa.straker@english-heritage.org.uk](mailto:vanessa.straker@english-heritage.org.uk)

---

**NEWS FROM THE COMMITTEE**

**Change in AEA Subscription Rates and New Membership Secretary**

The August Newsletter contained an announcement and voting slip concerning the committee's proposal to move permanently to two issues of the journal annually with an associated increase in subscription rates. The result of the ballot was announced at the AGM in York and the committee is pleased to report that the vote was in favour of the move to two issues. Therefore, from 2004, the subscription rates will be £38 for waged members (plus £6 postage for overseas members) and £28 for student/unwaged members (with no postage charge for overseas).

**Members paying by standing order.** If you pay your subscription fee by standing order, the new AEA Membership Secretary will be writing to you very soon to ask you to revise it. We would be very grateful if you could respond to this request **by 1<sup>st</sup> December** so that the standing order can be implemented before 1<sup>st</sup> January 2004.

**New AEA Membership Secretary.** The new Membership Secretary elected at the recent AGM is:

Dr Jane Richardson (AEA Membership Secretary) Archaeological Services WYAS, PO Box 30,  
Nepshaw Lane South, Morley, Leeds, LS27 0UG.  
Tel: +44 (0)113 3837509, Fax: +44 (0)113 3837501, E-mail: [membership@envarch.net](mailto:membership@envarch.net).

---

**Discounted rate for back issues of the Journal – AEA members offer**

*Oxbow Books* are offering members of the AEA back issues of *Environmental Archaeology* at the specially discounted rate of **£12** each (plus p+p). The regular price for non-members is £24. To take advantage of this offer, please contact *Oxbow Books* directly:

Oxbow Books  
Park End Place  
Oxford  
OX1 1HN  
Tel: +44 (0)1865 241249  
Fax: +44 (0)1865 794449  
e-mail: [orders@oxbowbooks.com](mailto:orders@oxbowbooks.com)  
web: <http://www.oxbowbooks.com>

In North America, *Oxbow Books* trade as the *David Brown Book Co*. Please see the *Oxbow Books* website for contact details.

This may also be a good opportunity to remind members about other special offers available to members of the AEA:

- Discounted subscriptions are available to the *Journal of Archaeological Science*, *The Holocene*, and the *International Journal of Osteoarchaeology* (see <http://www.envarch.net/offers/offers.html> for further details).
- Allan Hall at the University of York runs the AEA Books Service (<http://www.envarch.net/offers/aeabooks.html>) where members can purchase books at discounted rates (see 'Book Offers' below).

---

## Papers in *Environmental Archaeology* 8.2

### Research Papers

*Alexandru Mihail, Florian Tomescu, Valentin Radu and Dragos Moise*

High resolution stratigraphic distribution of coprolites within Eneolithic middens, a case study: Hârsova-Tell (Constanta County, Southeast Romania)

*Louise H. van Wijngaarden-Bakker and Kees D. Troostheide*

Bones and eggs: the archaeological presence of the grass snake *Natrix natrix* (L.) in The Netherlands

*Alan K. Outram*

Comparing levels of subsistence stress amongst Norse settlers in Iceland and Greenland using levels of bone fat exploitation as an indicator

*Allan R. Hall, Harry K. Kenward and Jane M. McComish*

Pattern in thinly-distributed plant and invertebrate macrofossils revealed by extensive analysis of occupation deposits at Low Fisher Gate, Doncaster, UK

### Review Paper

*David Earle Robinson*

Neolithic and Bronze Age agriculture in southern Scandinavia: recent archaeobotanical evidence from Denmark

### Short Contributions

*Andrew Stephen Fairbairn*

Technical notes on the preparation of leaf and epidermis specimens for reference collections and archaeobotanical investigations

*Yunfei Zheng, Akira Matsui and Hiroshi Fujiwara*

Phytoliths of rice detected in the Neolithic sites in the Valley of the Taihu Lake in China

*Wim Kuijper and Martijn Manders*

South American palm seeds (*Orbignya* sp.) in Dutch shipwrecks

---

## SUMMARY OF AGM MEETING

held at the one-day meeting in York, 29 September 2003

1. **Report on the committee's activities.** The AEA Secretary presented a summary of the committee's activities and major AEA events since the last AGM in Bournemouth.

### a) Conferences

#### *Publications:*

The proceedings of the Guildford conference (2000), *The Environmental Archaeology of Industry* edited by Peter Murphy and Patricia Wiltshire, were published in July and congratulations were extended to the editors. The Glasgow (joint AEA/NABO 2001) conference proceedings, edited by Rupert Housley and Geraint Coles, are currently with Oxbow with an estimated publication date of December 2003, although this is likely now to extend into 2004. The volume in honour of Susan Limbrey, edited by David Smith and Megan Brickley, resulting from the one-day meeting in Birmingham (2001) is in the final stages of preparation.

*2003 AEA meetings:*

The annual conference, *Worlds Apart? Human Settlements and Biota of Islands*, took place in Belfast in April, organised by Nicki Whitehouse, Eileen Murphy, Finbar McCormick and Gill Plunkett. Thanks were extended to the organisers for putting together a highly successful event.

The autumn one-day meeting was organised by Terry O'Connor and Allan Hall, which ran on consecutive days with the meeting *Urban Environmental Archaeology: towards a new agenda*, in the Department of Archaeology, University of York.

*Upcoming meetings:*

The next AEA meeting will be the one-day meeting in Bradford on 24 April 2004, organised by Jill Thompson. A further notice about this event is below.

The next conference, *Economic and Environmental Changes during the 4<sup>th</sup> and 3<sup>d</sup> Millennium B.C.*, to be held in Bad Buchau, is the 25<sup>th</sup> anniversary conference of the AEA and will take place 2-5 September 2004. Further information is provided below and can also be found at: <http://www.federseemuseum.de>.

The 2005 spring conference will be held at King Alfred's College, Winchester, organised by Keith Wilkinson and Tony King. The theme is *Environmental Archaeology in Landscape Archaeology*.

**b) Result of subscription rates rise vote**

There was an overall vote in favour of the permanent move to two issues and the associated increase in subscription rates. Please see the notice at the top of the *News from the Committee* section for further details.

**c) Journal**

**Volume 8.2 of *Environmental Archaeology* is due to be distributed in November.**

Thanks were extended to Glynis Jones, co-ordinating editor of the journal, for all the hard work that went into editing two issues during 2003. It was noted that the move to two issues per year is in large part due to the excellent quality of the journal developed under her management.

It was announced that the Belfast conference will be published as a special issue of the journal, probably as issue 9.2.

**d) Webpage (<http://www.envarch.net>)**

Rob Craigie, University of Sheffield, took over as webmaster in October 2002, and a 'new look' AEA website was launched in August. In order to keep the website as up to date as possible, members are requested to keep sending items and comments to the webmaster: [r.craigie@sheffield.ac.uk](mailto:r.craigie@sheffield.ac.uk) or go to *Contact the AEA webmaster* on the AEA webpage.

**e) Newsletter**

The Newsletter is now largely circulated by e-mail and, from May 2003, in the form of .pdf files. The Newsletter is placed on the website after a slight, intentional delay. Back issues of the Newsletter are stored on the website and can be downloaded from there at any time. Money saved from circulating the Newsletter by e-mail is put towards maintenance and development of the website.

**f) Membership**

Current membership of the AEA approaches 400 members. Membership numbers have remained relatively stable in recent years.

Ruth Pelling is retiring as Membership Secretary after this AGM, but will remain on the committee for another year and has kindly agreed to assist the new Membership Secretary with the transfer of duties and implementation of the subscription rise.

**g) Charitable status**

An announcement was placed in the August Newsletter to say that, regretfully, the committee has decided to withdraw its application for charitable status.

**2. Treasurer's report**

Jacqui Huntley circulated a summary of the 2002 accounts, which are published at the end of this Newsletter. The main expenditure of the AEA is the journal. The second issue of the journal in 2003 will be paid for from existing AEA funds and will diminish the account surplus to more-or-less zero. Thus the subscription rise is necessary to fund publication of two issues of the journal in future.

The savings made from circulating the Newsletter by e-mail are now spent on maintaining the webpages. Overseas (non-sterling paying) members are encouraged to pay their membership by credit card which incurs a charge as listed in the accounts, but it is the cheapest option currently available. It was noted that the conference and meetings category in 2001 was large because the Glasgow conference was run through the AEA account that year. The books service buys and sells books at cost and thus makes no profit.

### **3. Election of new committee members**

David E. Robinson was elected Chair. Paul Davies, Véronique Matteredne, Alan Outram, and Jane Richardson were elected ordinary committee members. Jane Richardson becomes the AEA Membership Secretary. Paul Davies takes on the two-year position vacated by David E. Robinson following his election as Chair. It was noted that committee members undertaking important tasks can be co-opted onto the committee after the expiration of their term of service as ordinary members, although this arrangement is made only as occasion demands.

Allan Hall, Rupert Housley, Jan Bastiaens and Helen Smith have now retired from the committee and were thanked for their work as AEA committee members. Allan Hall and Rupert Housley were extended particular thanks for their services as Chair and Treasurer, respectively.

The current committee consists of [elected term in]:

Paul Davies (Bath Spa) [2003-2005]  
Andy Howard (Newcastle) – Conference Officer [2001-2004]  
Jacqui Huntley (Durham) – Treasurer [2002-2005]  
Tim Mighall (Coventry) – Publicity Officer [2001-2004]  
Carol Palmer (Sheffield) – Secretary [2001-2004]  
Roel Lauwerier (ROB, Amersfoort) [2002-2005]  
Véronique Matteredne (CRAVO, Compiègne) [2003-2006]  
Alan Outram (Exeter) [2003-2006]  
Ruth Pelling (London) [2001-2004]  
Jane Richardson (Archaeological Services WYAS) – Membership Secretary [2003-2006]  
David Robinson (CfA, Portsmouth) – Chair [2003-2006]  
Nicki Whitehouse (Belfast) [2002-2005]

#### **Co-opted committee members**

Wendy Carruthers (Llantrisant, Wales) – Co-editor of the Newsletter  
Glynis Jones (Sheffield) – Co-ordinating Editor of the Journal  
Vanessa Straker (Bristol) – Co-editor of the Newsletter

Details of new committee members not published in the August Newsletter are given below (these are the same as those circulated to the membership by e-mail before the elections).

### **4. Any other business**

Allan Hall thanked Terry O'Connor for his efforts as the main organiser of the AEA one-day meeting. He also extended thanks to Carol Palmer for her work as AEA Secretary during his term as AEA Chair.

---

### **ADDITIONAL BIOGRAPHIES OF CANDIDATES ELECTED ON TO THE AEA COMMITTEE**

The August Newsletter (<http://www.envarch.net/publications/newsletters/news81.html>) contained statements from Dr David E. Robinson, elected as Chair of the AEA, and Dr Alan Outram, elected as an ordinary member. Here are details of the other new members of the committee. Committee members' contact details can be found at: <http://www.envarch.net/aea/committee.html>.

### **ORDINARY COMMITTEE MEMBER POSITIONS:**

**Paul Davies** (Graduate School and Quaternary Research Unit, Bath Spa University College)  
I studied Environmental Biology and Geography at the now Northampton University College (then Nene College) before undertaking a PhD between 1989-92 with John Evans in the Archaeology Department at

Cardiff University (sometime during this period I joined the AEA). The PhD was largely concerned with Holocene environmental reconstruction using molluscan analysis in river valleys of central southern England. Following the PhD I went to the University of Hull, where I was involved in the inaugural year of the Humber Wetlands Project, synthesising what was known (up to that point) about the landscape development of the region. I then took up a lectureship at Bath Spa UC where I taught landscape history, palaeoecology and ecology. In 2001 I took over as Head of Graduate School and now manage all Masters and PhD provision at Bath Spa. I remain active in research, and as well as writing about snails I have also published on sea-level change, detecting tsunami events in isolation basins and general landscape related issues. I am currently particularly interested in Mesolithic and Neolithic landscapes and the relationship between palaeo- and neoecology. I am also the current editor of *Archaeology in the Severn Estuary*.

Since 1992, I have attended and/or given papers at AEA events as much as circumstances have allowed, and feel, like others I guess, that it is time to offer to put something back into the organisation.

Proposed by: Terry O'Connor, Seconded by: Julie Jones

**Véronique Materne** (Institut National de Recherche Archéologique Préventive (INRAP), Paris, France)  
After completing my PhD dissertation on the evolution of agriculture and food production during the Iron Age and Roman Period in Northern France, I am currently working as an archaeobotanist for the Institut National de Recherche Archéologique Préventive (INRAP), Paris, France. I have recently published my PhD and subsequent research as a book *Agriculture et alimentation végétale durant l'âge du Fer et l'époque gallo-romaine en France septentrionale* (2001) and as a major contribution in *Les Paysans Gaulois*, ed. Errance (2002), which was published together with archaeozoological and archaeological research on native rural settlements in Gaul (written jointly with P. Méniel (CNRS) and F. Malrain (INRAP)). I have also edited, in collaboration with S. Lepetz (CNRS), the proceedings of the 6<sup>th</sup> symposium of the association AGER (2003), examining producers and production systems in Gaul during the Roman period.

My research interests are the regional distribution of crop production in Gaul, and the synthesis of periods still poorly documented, such as the Roman conquest. As part of this, I am trying to develop the discipline in Northern France, and am supervising several young colleagues in the laboratory at Compiègne. Ongoing projects include the study of plant remains in ritual and burial contexts, not only within Roman Gaul but also in Italy. Among these are the excavations at the Porta Nocera in Pompeii, part of the quadrennial programme of the Ecole Française de Rome. Another project, related to the research programme of the Unité Mixte de Recherche 7041 of the CNRS, the research team to which I belong, is investigating fodder production and integrating plant remains with evidence from palynology, archaeozoology, archaeology and storage history data.

From the beginning, the AEA has given me a lot of useful contacts and information. As a committee member, I would like to contribute to the development of paleoenvironmental approaches in archaeology and the promotion of AEA activities in France.

Proposed by: Jan Bastiaens, Seconded by: Anton Ervynck

**Jane Richardson** (Archaeological Services WYAS)  
I studied archaeological sciences at the University of Bradford before moving to Sheffield for my graduate studies. Here I completed an MSc in Environmental Archaeology and a PhD, supervised by Paul Halstead. My PhD, entitled 'Animal exploitation and social change in late Iron Age central France' examined three faunal assemblages in order to better understand animal procurement, agricultural production and land ownership at a time of great social upheaval.

I have subsequently worked in the commercial sector for Archaeological Services WYAS. Here I was first employed as a faunal analyst and examined large collections of animal bones from Anglian West Heslerton, medieval Wharram Percy and from the Civil War siege of Pontefract Castle for publication. More recently my position with Archaeological Services has evolved to include the management of all types of archaeological contracts from desktop assessments to open-area excavations. In addition, I continue to be responsible for establishing and monitoring strategies for environmental sampling and for the analysis and reporting of faunal material.

For the last ten years, I have also been the archaeozoologist for the Anglo-American Project in Pompeii. This has afforded me the opportunity to participate in research-based fieldwork and to collaborate with other specialists in the presentation of our work to an international audience. Most recently we have been examining the differences in both ecofact and artefact assemblages in terms of social and economic status and the provisioning of the city.

At present the commercial-based sector is underrepresented on the AEA committee, but as a Project Manager within the competitive market, I believe that I would act as an advocate for environmental archaeologists working in this field. I would also strive to bring an alternative, yet valuable perspective to the committee. In addition, if elected, I would be happy to take on the important role of Membership Secretary and encourage environmental specialists from all disciplines and from all sectors to join the AEA.

Proposed by: Ruth Pelling, Seconded by: Glynis Jones

---

### BOOK OFFERS

Castlepoint Press, who are publishing a new, extended edition of Oliver Rackham's book 'Ancient Woodland' (first published in 1980), are willing to sell copies to AEA members at £45 (published price is £60) plus £5 p&p (UK) (or about £10 postage to other countries, including Rep. of Ireland).

I have agreed with the publisher that I will gather names and addresses of members who would like to take advantage of this offer, but payment on this occasion will NOT be made to the AEA, but direct to Castlepoint (by cheque or credit card).

If you are interested in buying a copy, please let me know. Castlepoint say that postage can be reduced if more than one copy is sent to an address, so members working in the same institution may be able to make a further saving if they collaborate!

Also, for members who wish to buy a copy of Terry O'Connor's recently published Archaeology of York fascicule 'The Analysis of Urban Bone Assemblages: A Handbook for Archaeologists' at a price of £12.50 (list price £15.95). Please note: post and packing for this title are £1.50 for UK addresses and £2.00 for non-UK.

Sales of the latest AEA Conference volume 'The environmental archaeology of industry' (edited by Peter Murphy and Patricia Wiltshire) were very good - we sold over 40 copies of the half-price (£15) volume very quickly. If you would like to be put on the list for a copy if we buy more in future, please let me know.

Allan Hall, Department of Archaeology, University of York, The King's Manor, York, YO1 7EP; Tel: 01904 434950; e-mail [bio18@york.ac.uk](mailto:bio18@york.ac.uk)

### JOURNAL SUBSCRIPTION OFFER

Springer, the publishers of the journal *Vegetation History and Archaeobotany*, have written to me to ask if AEA members would like to take up the offer of a reduced subscription rate - if we can find 50 willing participants. This is what they wrote:

'... we would like to approach you with a special offer for the members of the Association of Environmental Archaeology. You are already offering other journals at a special rate to your members. *Vegetation History and Archaeobotany* would certainly be a valuable addition.

In addition to the print journal, all subscribers enjoy free online access to the electronic version of the journal. We also just introduced our Online First workflow for *Vegetation History and Archaeobotany* whereby articles will be published in electronic form weeks before distribution of the print journal - even before the issue and page numbers have been assigned.

Simply visit

<http://link.springer.de/link/service/journals/00334/index.htm>

and browse our free electronic sample copy (Vol. 12, Number 1)

We are able to offer your members the journal for EURO 55 incl. postage and handling. I trust that you understand that we need at least 50 subscriptions to make this offer economically sound. In case we come to an agreement concerning the society rate we could also offer your members another special service:

20% discount on all Springer books (excl. some handbooks and the German-language production).

This offer works on a one-year contract basis where we send you a so-called transaction number which

you could distribute as a special service to your members. In turn your members have the possibility to order online directly from Springer at this discount. Please check out our website for your reference:

<http://www.springeronline.com> "

I am happy to collect names of people who would like to avail themselves of this offer - please let me know.

Allan Hall, Department of Archaeology, University of York, The King's Manor, York, YO1 7EP; Tel: 01904 434950; e-mail [biol8@york.ac.uk](mailto:biol8@york.ac.uk)

---

## CONFERENCES & MEETINGS

*Thanks to Miranda Jans for the following information:*

### **Biomolecular Archaeology Symposium**

Venue: **Vrije Universiteit, Amsterdam, The Netherlands**

Date : **18 and 19 March 2004** (with an excursion on March 20)

For further information please go to: URL: [www.geo.vu.nl/bioarchaeo](http://www.geo.vu.nl/bioarchaeo)

---

### **AEA one-day meeting 2004 University of Bradford**

The 2004 one-day meeting of the Association for Environmental Archaeology will be held on **Saturday 24th April at the University of Bradford**, hosted by the Department of Archaeological Sciences. We invite 15 minute papers on all topics within environmental archaeology, but contributions which address the following themes would be particularly welcome:

- (1) managing environmental archaeology on large, multi-period sites, and
- (2) human health and diet.

There will be a poster session and a competition for the best poster at the meeting.

Titles and abstracts of papers should be submitted **by 10th January 2004**

Titles and abstracts of posters should be submitted **by 1st April 2004**

If you wish to attend the meeting, please pre-register and send a cheque payable to the University of Bradford for your registration and lunch **by 1st April 2004**

Lunch will be available for those who book and pay for it in advance (£5) and there will be a conference fee of £5, to include tea, coffee and abstracts.

For further details, including a booking form (also given at the end of this Newsletter), please see <http://www.bradford.ac.uk/acad/archsci/aea-meeting/>

---

### **15<sup>th</sup> European Meeting of the Paleopathology Association: August 11<sup>th</sup>-15<sup>th</sup> 2004**

The 15<sup>th</sup> European Meeting of the Paleopathology Association will be hosted by the Department of Archaeology, University of Durham. For further information please see our website ([www.dur.ac.uk/ppa2004.conference](http://www.dur.ac.uk/ppa2004.conference)) or contact Dr Charlotte Roberts, Department of Archaeology, University of Durham, Durham, DH1 3LE; tel 0191-334-1154, fax 0191-334-41101, email: [ppa2004.conference@durham.ac.uk](mailto:ppa2004.conference@durham.ac.uk)



## 25<sup>th</sup> Anniversary Symposium in Bad Buchau, Southern Germany

02 – 05<sup>th</sup> September 2004

### Economic and environmental changes during the 4<sup>th</sup> and 3<sup>rd</sup> millenium BC

#### ORGANIZERS

Nationalmuseum of Denmark    Landesdenkmalamt Baden-Württemberg    Federseemuseum Bad Buchau

#### CONTACT ADDRESS

Dr. Ralf Baumeister  
Federseemuseum Bad Buchau  
[rbaumeister@federseemuseum.de](mailto:rbaumeister@federseemuseum.de)

The Federseemuseum Bad Buchau, the Nationalmuseum of Denmark and the Landesdenkmalamt Baden-Württemberg are organizing a two-day symposium followed by two excursions in the northern Alpine Foreland and around the Federsee (EU-life project).

The theme of the Symposium will be:

### **Economic and environmental changes during the 4<sup>th</sup> and 3<sup>rd</sup> millenium BC**

During this time period many economic and technical innovations were successful in whole Europe. This is reflected in numerous new research results achieved by bioarchaeological methods, as for example changes in the crop spectrum and the appearance of new domestic animals. Numerous archaeological finds of wooden wheels and trackways date from the 4<sup>th</sup> and 3<sup>rd</sup> millennium BC, several indications show the systematic use of the ard. Were these changes due to environmental events or probably triggered off by them? New research results from the circum-Alpine area will be presented during the Symposium and we hope for many interesting contributions from other parts of Europe.

Conference languages are English and German.

Social programmes include a reception in the historical "Mirror hall" of the monastery of Bad Buchau, a conference dinner in the Federsee Museum, a visit of the running excavations of the Neolithic wetland site Torwiesen II (dated 3280 BC), an evening excursion to the lake Federsee and two separate field-trips.

**Field-trip 1** "Landscapes and Archaeology around the Danube" leads from the younger moraine landscape through the older moraine region to the Swabian Alb and to the upper Danube. We are going to visit several museums and running excavations (Palaeolithic camp-site Schussenquelle (reindeer hunting station), Palaeolithic cave-sites in Blaubeuren (Vogelherd, Hohle Fels), Iron Age settlements and "Fürstensitz" Heuneburg, Roman Museum in Mengen. This one-day trip also includes a visit of the impressive baroque church of Steinhausen (ceiling frescos decorated with plenty of flowers, animals and insects, take binoculars with you!).

**Field-trip 2** "Archaeology, Nature Conservation and Public Relations". Presentation of the EU-life project in the basin of the Federsee. Visiting the archaeological Bog Education Path and the Archaeological Open Air Museum, explanations by the management of the Museum.

The lake Federsee is one of the largest silted up lakes in South-western Germany. The former lake and its surroundings is one of the most popular places of wetland archaeology. Since 1875 more than 18 sites have been excavated. Important pioneers in Palynology and Plant Macrofossil Analysis worked here (Firbas, Bertsch, Körber-Grohne). Dendrochronology was first applied to archaeological material (Huber). Interdisciplinary archaeological research has been active since 1979.

Various biotopes with rare plants and animals still exist today in the unique surroundings of the lake. There is lots to see and discover. Bad Buchau is also a good starting point to visit the Iceman in Bozen (Northern Italy, ca. 150 km). In 2004 four special exhibitions concerning the 150-year celebration of wetland archaeology (Pfahlbauarchäologie) in Germany and Switzerland will be shown in Unteruhldingen, Konstanz, Frauenfeld and Zürich (between 60 - 100 km away from Bad Buchau).

#### **How to reach Bad Buchau**

Airports: Stuttgart or Friedrichshafen. Trains from Stuttgart and Friedrichshafen to Bad Schussenried. We will organize a bus-shuttle from Schussenried to Bad Buchau. For those who wants to leave back home after field-trip 1, there is the possibility to be dropped at Ulm Central train station. Bad Buchau is a cosy small historical town. Accommodations and conference places can be reached by foot.

### **Conference Costs**

The Conference fees will be;

Employed: EUR 47

Unwaged / student: EUR 32

Conference dinner (including beverages): EUR 27

Field trip 1: EUR 27

Field trip 2: EUR 10

Accommodation: between EUR 10 & EUR 35 per night per person.

### **For further information contact:**

Dr. Ralf Baumeister

Federseemuseum

August Gröber Platz

D-88422 Bad Buchau

Germany

**Or visit the Federseemuseum website at [www.federseemuseum.de](http://www.federseemuseum.de) for more information about the conference and a booking form.**

---

**ARCHAEOLOGICAL SCIENCES OF THE AMERICAS**  
**The Inaugural Symposium**  
**September 23-26, 2004**  
**University of Arizona - Tucson, Arizona**  
**USS Arizona Memorial Union**  
***Call for Papers***

The organizing committee of the Inaugural Archaeological Science of the Americas Symposium is pleased to solicit papers and posters to be presented between September 23 and 26, 2004 on the campus of the University of Arizona. This event is intended to encourage regular and sustained collaboration between archaeologists, conservation scientists, natural scientists, and contract researchers engaged in the development of archaeological science in the Americas. This unique meeting will be hosted by graduate students in the Department of Anthropology at the University of Arizona. The Integrative Graduate Education and Research Traineeship (IGERT) Program in Archaeological Sciences at the University of Arizona will co-sponsor this event. Researchers at all levels of experience and training are invited to participate. A special invitation is extended to colleagues from Canada, Mexico, Central America, and South America.

Abstracts for posters and 20-25 minute oral presentations should be limited to 250 words or less and should clearly address how developing methodologies in interdisciplinary archaeological science can be employed to address larger anthropological issues. Sessions will explore seven major topics in the field of archaeological science: 1) Catastrophes and Cultural Reaction, 2) Geoarchaeology, 3) Conservation Studies and Ephemeral Remains, 4) Spatial Analysis and Remote Sensing, 5) Chronometry, 6) Human-Environmental Interaction, and 7) Material Culture Studies. Applicants may choose the session in which they wish to present their work, but are encouraged to discuss how their research in archaeological science bridges and reaches beyond topic headings. A printable application form is available on the internet at: <http://w3.arizona.edu/~anthro/asa.shtml>

Monthly updates regarding conference-sponsored award competitions, lectures, workshops, fieldtrips, and social events will be available online as planning proceeds. Contact information for participant housing will also be posted on the site.

The deadline for submission of abstracts for posters and presentations is January 31, 2004. Possible presenters will be notified of their acceptance by March 1, 2004 and a final program will be delivered to participants by

June 1, 2004. Application fees are \$40 for professionals and \$30 for students. Checks are to be made out to the University of Arizona Foundation. Please note that none of the application fee is tax deductible.

For more information, please visit our website or contact one of the organizing committee members directly:

R. Emerson Howell (rhowell@email.arizona.edu), Kanani Paraso (paraso@email.arizona.edu), or AJ Vonarx (ajvonarx@email.arizona.edu). We look forward to hearing from you and meeting you in Tucson in September 2004!

---

## ANNOUNCEMENT

### **Announcement from a new Palynology Group (Patricia Wiltshire, Frank Chambers, Judy Webb, John Daniell)**

We have come together to provide a comprehensive palynological (pollen analytical) service for archaeology. We will offer field assessment/sampling, laboratory preparation/ assessment/analysis, and interpretative reporting to high standards.

In addition to the usual range of on-site (contextual) and off-site (sedimentary) studies, a particular speciality will be the detailed palynological analysis of artefacts, human remains, and structures associated with graves. Advice and help can also be given on other, less routine, techniques that might throw light on the utility and/or provenance of finds.

Contact: 01372-272087 or 01242-543494

---

## JOB ADVERTISEMENT

### **Worcestershire Historic Environment and Archaeology Service Archaeologist (Environmental)**

Local Government Scale 3: £13,581 to £14,532 (Job Evaluation pending)

We are an outward-looking Service with a long tradition of providing in-house and external environmental specialist services. We are currently undergoing a period of expansion and are looking for staff for the following post (**application deadline 30 November 2003**).

#### **ARCHAEOLOGIST (ENVIRONMENTAL)**

Environmental archaeology is an important area of our work. As well as providing an in-house specialist expertise, we have a long tradition of providing an environmental archaeology service for external contractors. We would also like to expand the range of work covered to meet increasing demand. In addition, as well as fieldwork projects, environmental archaeology increasingly forms a part of education and research projects.

This post involves on-site sampling and processing of environmental samples, through to identification work and the preparation of reports for smaller watching briefs and evaluations. Some participation in general fieldwork duties will be required.

You will have a degree in archaeology, or an environmental science, and/or an equivalent qualification, and three months' experience in this field. You will have experience of analysing at least one category of environmental remains (preferably plant macrofossils or pollen), and have experience of other classes of environmental remains. You will need to be well-organised, good at working to deadlines and keen to work as part of a team.

For informal discussion contact Liz Pearson (telephone 01905 855495 or email [lpearson@worcestershire.gov.uk](mailto:lpearson@worcestershire.gov.uk))

To apply: job descriptions and application forms are available from:  
Administrator, Worcestershire County Council Historic Environment and Archaeology Service, Woodbury, University College Worcester, Henwick Grove, Worcester WR2 6AJ. Alternatively phone Maureen uyt den Bogaard on 01905 855455, or email [mbogaard@worcestershire.gov.uk](mailto:mbogaard@worcestershire.gov.uk).

---

---

*Thanks to Tim Mighall for the following information:*

**JOURNAL OF QUARternary SCIENCE**

TABLE OF CONTENTS

Volume 18, Issue 6, Pages 471-582 (September 2003)

**Editorial**

**New JQS editor for the Americas (p 471)**

James Scourse

Published Online: 22 Aug 2003

DOI: 10.1002/jqs.781

**Research Article**

**Deformation styles as a key for interpreting glacial depositional environments (p 473-489)**

Danny McCarroll, Kenneth F. Rijdsdijk

Published Online: 14 Jul 2003

DOI: 10.1002/jqs.780

**A late Holocene record of arid events from the Cuzco region, Peru (p 491-502)**

Alex Chepstow-Lusty, Michael R. Frogley, Brian S. Bauer, Mark. B. Bush, Alfredo Tupayachi Herrera

Published Online: 5 Jun 2003

DOI: 10.1002/jqs.770

**Palaeoecological evidence of changes in vegetation and climate during the Holocene in the pre-Polar Urals, northeast European Russia (p 503-520)**

Seija Kultti, Minna Väiliranta, Kaarina Sarmaja-Korjonen, Nadia Solovieva, Tarmo Virtanen, Tommi Kauppila, Matti Eronen

Published Online: 29 May 2003

DOI: 10.1002/jqs.765

**Radiocarbon constraints on the Holocene flood deposits of the Ning-Zhen Mountains, lower Yangtze River area of China (p 521-525)**

Shi-Yong Yu, Cheng Zhu, Fubao Wang

Published Online: 29 May 2003

DOI: 10.1002/jqs.767

**Glaciotectonised Quaternary sediments at Cape Shpindler, Yugorski Peninsula, Arctic Russia: implications for glacial history, ice movements and Kara Sea Ice Sheet configuration (p 527-543)**

Hanna Lokrantz, Ólafur Ingólfsson, Steven L. Forman

Published Online: 24 Jul 2003

DOI: 10.1002/jqs.771

**Tephrochronology and tephrostratigraphy of two Pleistocene continental fossiliferous successions from central Italy (p 545-556)**

F. Marcolini, G. Bigazzi, F. P. Bonadonna, E. Centamore, R. Cioni, G. Zanchetta

Published Online: 29 May 2003

DOI: 10.1002/jqs.768

**Early and Middle Pleistocene vegetation history of the Médoc region, southwest France (p 557-579)**

C. E. O'Brien, R. L. Jones

Published Online: 11 Jul 2003

DOI: 10.1002/jqs.779

## Book Review

**Tropical glaciers, G. Kaser and H. Osmaston (eds). Publisher Cambridge University Press, Cambridge, 2001 (206 pp) ISBN 0-521-63333-8 (p 581)**

Jaap J. M. Van Der Meer

Published Online: 22 Aug 2003

DOI: 10.1002/jqs.777

**Tsunami. The underrated hazard, E. Bryant (ed.). Publisher Cambridge University Press, Cambridge, 2001 (320 pp) ISBN 0-521-77599-X (PB) 0-521-77244-3 (HB) (p 582)**

Alastair G. Dawson

Published Online: 22 Aug 2003

DOI: 10.1002/jqs.778

---

## PUBLICATIONS

*We are grateful to Wendy Smith for the following information:*

SMITH, W. 2003. Archaeobotanical Investigations of Agriculture at Late Antique Kom el-Nana, (Tell el-Amarna). (Egypt Exploration Society Excavation Memoir 70). London: Egypt Exploration Society.

It can be purchased from the Egypt Exploration Society (£60 non-members. Members of the EES can buy it at £45 until 1 April 2004, and thereafter for £51.):

Contact:

Pat Spencer (Secretary)

Egypt Exploration Society

3 Doughty Mews

London

WC1N 2PG

tel: 0207 242 1880

e-mail: [patricia.spencer@ees.ac.uk](mailto:patricia.spencer@ees.ac.uk)

*We are very grateful to James Greig for continuing to compile a very valuable environmental archaeology bibliography. James writes:*

*"Thanks to Julian Wiethold for sending references. Most of the bibliography can be accessed at the AEA website <http://www.envarch.net>. Please send further references to [jimi.gee@virgin.net](mailto:jimi.gee@virgin.net)"*

## BOOKS

J.P. Brun (2003) *Le vin et l'huile dans la Méditerranée antique. Viticulture, oléiculture et procédés de fabrication* [wine and oil in ancient Mediterranean culture; cultivation of grapes and olives and preparation methods]. (Collections des Hesperides, ) éditions Errance, Paris, pp. ISBN 2 87772 252 X

W.F. Jashemski and F.G. Meyer (2002) *The natural history of Pompeii*. Cambridge University Press, Cambridge, 528 pp. ISBN 0 521 80054 4, £130 hb!

S.L.R. Mason and J.G. Hather (2002) *Hunter-gatherer archaeobotany: perspectives from the northern temperate zone*. UCL Institute of Archaeology, London.

M. Patou-Mathis and H. Bocherens (2003) *Le rôle de l'environnement dans les comportements des chasseurs-cueilleurs préhistoriques* [the role of the environment in the behaviour of prehistoric hunter-gatherers]. *BAR International Series 1105* Archaeotype, Oxford, Proceedings of the UISPP conference, Liège, 2001

S. Thiébaud (2002) *Charcoal analyses: methodological approaches, palaeoecological results and wood uses*. *BAR International Series 1063*, Archaeotype, Oxford, Proceedings of the 2nd International Meeting of Anthracologists, Paris, 2000

W. van Zeist (2003) *Reports on archaeobotanical studies in the Old World.*, Groningen, 207 pp.

## Chapters

P.I. Buckland and P.C. Buckland (2002) How can a database full of bugs help reconstruct the climate? In G. Burenhult and J. Arvidsson (eds.), *Archaeological informatics: pushing the envelope. BAR International Series 1016* Archaeotype, Oxford pp. 453-462.

A. Caseldine (2002) Plant macro-fossils. In S. Timberlake (ed.), *Excavations on Copa Hill, Cwmystwyth, an early Bronze Age copper mine within the uplands of Wales. BAR British Series 348* Archaeotype, Oxford pp. 60-61.

T. Mighall (2003) Palynology and peat geochemistry. In S. Timberlake (ed.), *Excavations on Copa Hill, Cwmystwyth, an early Bronze Age copper mine within the uplands of Wales. BAR British Series 348* Archaeotype, Oxford pp. 66-68.

N. Nayling (2002) Environmental archaeology. In A. Davidson (ed.), *The coastal archaeology of Wales. Council for British Archaeology Research Reports 131* CBA, York pp. 25-32.

O. Nelle (2002) Die Holzkohlen der spätrömischen Siedlung Wessling-Frauenwiese, Ldkrs Starnberg [charcoal from the late Roman settlement Wessling-Frauenwiese. In H. Bender, *Die römische Siedlung von Wessling-Frauenwiese. Untersuchungen zur ländlichen Siedlungswesen während der Spätantike in Raetien. Passauer Universitätschriften zur Archäologie 7*, Leidorf, Rhaden, pp. 262-268.

D.E. Robinson and J.A. Harild (2002) Archaeobotany of an early Ertebølle (late Mesolithic) site at Halskov, Zealand, Denmark. In S. L. R. Mason and J. G. Hather (eds.), *Hunter-gatherer archaeobotany; perspectives from the northern temperate zone*. UCL Institute of Archaeology, London pp. 84-95.

P. Tomlinson, E.P. Allison, J.B. Innes, et al. (2002) Environmental evidence from the prehistoric period. In D. Freke (ed.), *Excavations on St Patrick's Isle, Peel, Isle of Man, 1982-88. Prehistoric, Viking, medieval and later. (Centre for Manx Studies Monograph 2)* Centre for Manx Studies, Liverpool pp. 231-247.

W. van Zeist (2003a) Comments on plant cultivation at two sites on the Khabur, north-eastern Syria. In W. van Zeist (ed.), *Reports on archaeobotanical studies in the Old World*, Groningen pp. 33-60.

W. van Zeist (2003b) The plant husbandry of Tell Al-Raqa'i (Syria). In W. van Zeist (ed.), *Reports on archaeobotanical studies in the Old World*, Groningen pp. 7-31.

W. van Zeist and G.J. de Roller (2003a) The Çayönü archaeobotanical record. In W. van Zeist (ed.), *Reports on archaeobotanical studies in the Old World*, Groningen pp. 143-166.

W. van Zeist and G.J. de Roller (2003b) Some notes on the plant husbandry of Asikli Höyük (Turkey). In W. van Zeist (ed.), *Reports on archaeobotanical studies in the Old World*, Groningen pp. 115-142.

W. van Zeist, G.J. de Roller and A.G. El-Din Fahmy (2003) An archaeobotanical study of Maadi, a pre-dynastic site in Lower Egypt. In W. van Zeist (ed.), *Reports on archaeobotanical studies in the Old World*, Groningen pp. 167-201.

W. van Zeist, W. Waterbolk-van Rooijen, R. Palfenier-Vegter, et al. (2003) Plant cultivation at Tell Hammam et-Turkman (Syria). In W. van Zeist (ed.), *Reports on archaeobotanical studies in the Old World*, Groningen pp. 61-114.

J. Wiethold (2002) Analyses archéobotaniques [archaeobotanical analyses]. In V. Guichard (ed.), *Rapport annuel d'activité scientifique 2001 du Centre archéologique européen du Mont Beuvray, Glux-en-Glenne.*, p. 280.

J. Wiethold (2003) "Nonnenstaub" - Pflanzenreste des späten Mittelalters und der frühen Neuzeit aus dem Fußbodenraum unter dem Nonnengestühl des Klarissenklosters von Ribnitz [Nuns' dust - medieval and early postmedieval plant remains from the nunnery of Ribnitz]. In C. Kimminus-Schneider and M. Schneider (eds.), *Klöster und monastische Kultur in den Hansestädten. (Stralsunder Beiträge zur Archäologie, Kunst und Volkskunde in Vorpommern 4)* Leidorf, Rhaden/Westf pp. 277-288.

## Website URL

Buckland P.I., Buckland P.C. Yuan Zhuo Don and Sadler, J. (2002) Bugs coleopteran ecology package website <http://www.bugs2000.org/>

## Theses

P. Luciani (2002) Le derrate alimentari dell'abitato Etrusco-Celtico di Monte Bibele. Uno studio paleobotanico [Food remains from the Etrusco-Celtic settlement of Monte Bibele, a palaeoethnobotanical study]. Tesi di Laurea, Bologna university

M. Badura (2000) Srodowisko przyrodnicze i gospodarka sredniowiecznego. Kolobrzegu w swietle badan archeobotanicznych [Natural environment and economy of medieval Kolobrzeg, in Polish], Gdansk university

S. Preiss (2003) Approche des rituels funéraires gallo-romains à travers l'étude carpologique d'une nécropole du III<sup>e</sup> siècle à Faulquemont, Moselle [Gallo-Roman funerary rituals from seed studies of seeds from a 3rd century cemetery at Faulquemont. Mémoire de DEA "Environnement et Archéologie, Diploma thesis, Paris university

### Articles

E. Allison (2002) St Mildred's tannery, Canterbury; palaeoenvironmental studies. *Canterbury Archaeology* **26** (2001-2): 76-78

R. Alvey and W. Smith (2002) Archaeobotanical evidence for Roman thatch and malt. *Derbyshire Archaeological Journal* **122**: 300-308 (in C. Sparey Green et al, Excavation on the southeast defences and extramural settlement of Little Chester, Derby, 1971-2, pp. 1-326)

J. Ansorge, S. Stolze and J. Wiethold (2002) Gerberlohe als Bau- und Dämmmaterial im mittelalterlichen Stralsunder Rathaus - eine interdisziplinäre Studie [Tan-bark as building and filling material in the medieval town hall of Stralsund, multidisciplinary study]. *Archäologische Berichte aus Mecklenburg-Vorpommern* **10**: 268-283

R.M. Arbogast (2001) Vorläufige Ergebnisse zur Fauna des bandkeramischen Fundplatzes von Herzheim [Preliminary report on the fauna from the LBK site at Herzheim]. *Archäologie in der Pfalz* **2001**: 271-272

E. Asouti (2003) Wood charcoal from Santorini (Thera); new evidence for climate, vegetation and timber imports in the Aegean Bronze Age. *Antiquity* **77(297)**: xx-yy

M. Baales, M. Jöris, M. Street, et al. (2002) Impact of the Late Glacial eruption of the Laacher See volcano, central Rhineland, Germany. *Quaternary Research* **58(3)**: 273-288

P. Baker and M. Daulby (2003) An early 20th C horse skeleton from Whitby, North Yorkshire. *English Heritage Centre for Archaeology Reports* **8/2003**: 29

I. Bergman, T. Pässe, A. Olofsson, et al. (2003) Isostatic uplift and Mesolithic landscapes: lake-tilting, a key to the discovery of Mesolithic sites in the interior of Sweden. *Journal of Archaeological Science* **30(11)**: 1451-1458

A. Bodnariuc, A. Bouchette, J.J. Dedoubat, et al. (2002) Holocene vegetation history of the Apuseni Mountains, central Romania. *Quaternary Science Reviews* **21**: 1465-1488

S. Bottema and A. Sarpaki (2003) Environmental change in Crete; a 9000 year record of Holocene vegetation history and the effect of the Santorini eruption. *The Holocene* **13(5)**: 733-749

L. Bouby (2001) L'orge à deux range (*Hordeum distichum*) dans l'agriculture Gallo-Romaine: données archéobotaniques. *Revue d'Archéométrie* **25**: 35-44

L. Bouby (2003) Harvesting cereals with bronze sickles in Bronze Age France. *Antiquity* **77(296)**: xx-yy

L. Bouby and Y. Billaud (2001) Economie agraire à la fin de l'âge de bronze sur les bords du lac de Bourget (Savoie, France) [Final Bronze Age farming economy at the edges of the lac du Bourget, Savoy]. *Comptes Rendus de l'Académie des Sciences, Paris, Sciences et la Terre et des Planètes* **333**: 749-756

C. Bourbou (2003) Health patterns of proto-Byzantine populations in southern Greece; the cases of Eleutherna (Crete) and Messene (Peloponnese). *International Journal of Osteoarchaeology* **13(5)**: 303-313

T. Bradley and P.L. Armitage (2003) A partial cow skeleton of the middle Bronze Age at Wallingford, Oxfordshire. *Oxoniensa* **67** (for 2002): 359-362

G. Campbell (2003) Separating the wheat from the chaff: changing perspectives in archaeobotany. *The Archaeologist* **47**: 38

- J.S. Carrión, P. Sánchez Gómez, J.F. Mota, et al. (2003) Holocene vegetation dynamics, fire and grazing in the Sierra del Gádor, southern Spain. *The Holocene* **13(6)**: 839-849
- W.J. Carruthers (2003a) Charred plant remains. *Proceedings of the Cambridge Antiquarian Society* **92**: 44-48 (in A. Mudd, An Iron Age and Romano-British settlement at Prickwillow Road, Ely, Cambridgeshire)
- W.J. Carruthers (2003b) Plant remains. *Journal of the Chester Archaeological Society* **77** (for 2002): 90-96 (in N. Fairbairn et al, Birch Heath, Tarporley, excavation of a rural Romano-British settlement, pp 59-114)
- W.J. Carruthers (2003c) Plant remains. *Journal of the Chester Archaeological Society* **77** (for 2002): 34-39 (in N. Fairbairn et al, excavations at Brook House Farm, Bruen Stapleford, excavation of a 1st millennium B.C. settlement, pp 9-57)
- B. Charles (2003) Animal bone. *Oxoniensa* **67** (for 2002): 252-255 (in Z. Kamash et al., Late Saxon and medieval occupation evidence from excavations at Lincoln College, Oxford, 1997-2000, pp. 199-286)
- M. Charles, C. Hoppé, G. Jones, et al. (2003) Using Weed Functional Attributes for the identification of irrigation regimes in Jordan. *Journal of Archaeological Science* **30(11)**: 1429-1441
- R. Ciranni and G. Fornaciari (2003) Luigi Boccherini and the baroque 'cello: an 18th century case of occupational disease. *International Journal of Osteoarchaeology* **13(5)**: 294-302
- M. Davis, A. Hall, H. Kenward, et al. (2002) Preservation of urban archaeological deposits: monitoring and characterisation of archaeological deposits at Marks & Spencer, 44-45 Parliament Street, York. *Internet Archaeology* **11**:
- M.F. Dietsch (1999) Les résultats paléocarpologiques [seed results]. *Bulletin de la Société Préhistorique Française* **96(4)**: 540-542 (in Ghesquière, E and Lepaumier, H, Les gisements Cerny d'Hébécrevon "le village de l'hôtel Torquet" et "La Couesnerie (Manche))
- M. Dumke (2003) Eine römische Maus aus Neupotz - mus inter tegulas [a Roman mouse from Neupotz; a mouse between the tiles]. *Archäologie in der Pfalz* **2001**: 109-110
- P. Eriksen, P.O. Rindel, D.E. Robinson, et al. (2003) Eine befestigte Siedlung der jüngeren vorrömischen Eisenzeit bei Lyngsmose. Eine neuentdeckte Anlage vom Typ Borremose in Jutland, Dänemark [A defended settlement of the late pre-Roman Iron Age at Lyngsmose; a newly discovered Borremose Type enclosure in Jutland, Denmark]. *Archäologisches Korrespondenzblatt* **33**: 123-143
- M. Harman and J. Weinstock (2002) Mammal and bird bones. *Derbyshire Archaeological Journal* **122**: 308-311 (in C. Sparey Green et al, Excavation on the southeast defences and extramural settlement of Little Chester, Derby, 1971-2, pp. 1-326)
- J.P. Huntley and J.R.G. Daniell (2002) The charred plant remains. *Archaeologia Aeliana* **21**: 239-243 (in M. Snape and P. Bidwell, Excavations at Castle Garth, Newcastle upon Tyne, 1976-1992 and 195-1996. The excavation of the Roman fort, pp. 1-295)
- C. Ingram (2003) Bird, fish and small mammals. *Oxoniensa* **67** (for 2002): 255-261 (in Z. Kamash et al., Late Saxon and medieval occupation evidence from excavations at Lincoln College, Oxford, 1997-2000, pp. 199-286)
- J. Innes, P. Rowley-Conwy and J. Blackford (2003) The start of the Mesolithic/Neolithic transition in northwest Europe; the palynological contribution. *Antiquity* **77(297)**: xx-yy
- S. Jahns (2003) A late Holocene pollen diagram from the Megaris, Greece, giving possible evidence for cultivation of *Cerastium siliqua* L. during the last 2000 years. *Vegetation History and Archaeobotany* **12(2)**: 127-130
- R. Jankauskas (2003) The incidence of diffuse skeletal hyperostosis and social status correlations in Lithuanian skeletal materials. *International Journal of Osteoarchaeology* **13(5)**: 289-293
- M. Kohler-Schneider (2003) Contents of a storage pit from late Bronze Age Stillfried, Austria: another record of the "new" glume wheat. *Vegetation History and Archaeobotany* **12(2)**: 105-111



- A. Kreuz and D. Baatz (2003) Try and error. Gedanken und Erfahrungen zum Darren und Entspelzen von Getreide in den Jahrhunderten um Christi Geburt [Thoughts and experiences of parching and dehusking cereals in the centuries around the year A.D.]. *Denkmalpflege und Kulturgeschichte* **2003(1)**: 20-25
- P. Lagerås (2000) Arkeologi och paleoekologi i sydvästra Småland - tio artiklar från Hamnedaprojektet [Archaeology and ecology in sw Småland - ten papers from the Hamneda project, in Swedish with English abstract]. *Riksantikvarieämbetet Skrifter* **34**: 145-165
- P. Lagerås (2002) Skog, slåtter och stenröjning - paleoekologiska undersökningar i trakten av Stoby in norra Skåne [woodlands, hay mowing and stone clearance - palaeoecological investigations at Stoby, Scania, south Sweden, in Swedish, English abstract]. *Riksantikvarieämbetet Skrifter* **40**: 363-411
- P. Lagerås and T. Bartholin (2003) Fire and stone clearance in Iron Age agriculture: new insights inferred from the analysis of terrestrial macroscopic charcoal in clearance cairns in Hamneda, southern Sweden. *Vegetation History and Archaeobotany* **12(2)**: 83-92
- M. Latalowa, M. Badura and J. Jarosinska (2003) Archaeobotanical samples from non-specific urban contexts as a tool for reconstructing environmental conditions (examples from Elblag and Kolobrzeg, northern Poland). *Vegetation History and Archaeobotany* **12(2)**: 93-104
- I.L. Mainland (2003) Dental microwear in grazing and browsing Gotland sheep (*Ovis aries* L.), and its implication for dietary reconstruction. *Journal of Archaeological Science* **30(11)**: 1513-1527
- P. Marival (2003) L'ensemble carpologique du site bizien de la Salle (Carcassone, Aude). *Bulletin de la Société Préhistorique Française* **100(2)**: 353-355
- S. Masnicová and R. Benes (2003) Developmental anomalies in skeletal remains from the Great Moravia and Middle Ages cemeteries at Devín, Slovakia. *International Journal of Osteoarchaeology* **13(5)**: 266-274
- S. Mays, G. Crane-Kramer and A. Bayliss (2003) Two probable cases of treponemal disease of medieval date from England. *American Journal of Physical Anthropology* **120**: 133-143
- S. Mays and G. Taylor (2003) A first prehistoric case of tuberculosis in prehistoric Britain. *International Journal of Osteoarchaeology* **13(4)**: 189-196
- L.M.E. McCobb, D.E.C. Briggs, W.J. Carruthers, et al. (2003) Phosphatisation of seeds and roots in a late Bronze Age deposit at Potterne, Wiltshire, UK. *Journal of Archaeological Science* **30(10)**: 1269-1281
- M. Melikian and T. Waldron (2003) An examination of skulls from two British sites for possible evidence of scurvy. *International Journal of Osteoarchaeology* **13(4)**: 207-212
- C. Meyer (2003) Osteological evidence for the Battle of Zurich in 1799; a glimpse into soldiery of the past. *International Journal of Osteoarchaeology* **13(4)**: 252-257
- P. Murphy, M. Robinson and H. Tinsley (2002) Environmental evidence. *Essex Archaeology and History* **33**: 31-46 (in N. Brown and M. Germany et al, Jousting at windmills? The Essex cropmark enclosures project, pp. 8-53)
- F. Oldfield, R. Wake, J. Boyle, et al. (2003) The late Holocene history of Gormire Lake, northeast England and its catchment; a multiproxy reconstruction of past human impact. *The Holocene* **13(5)**: 677-690
- A. Papathanasiou (2003) Stable isotope analysis in Neolithic Greece and possible implications in human health. *International Journal of Osteoarchaeology* **13(5)**: 314-324
- R. Pelling (2003a) charred plant remains. *Oxoniensa* **67** (for 2002): 261-271 (in Z. Kamash et al., Late Saxon and medieval occupation evidence from excavations at Lincoln College, Oxford, 1997-2000, pp. 199-286)
- R. Pelling (2003b) Charred plant remains. *Oxoniensa* **67** (for 2002): 167-170 (in P.A. Harding and P. Andrews, Anglo-Saxon and medieval settlement at Chapel Street, Bicester, excavations 1999-2000, pp. 141-179)
- S. Preiss, J. Wiethold and H. Schäfer (2002) Ein hochmittelalter Roggenfund vom Grundstück Schuhhagen 1 in Greifswald. Ein Beitrag zur frühen Wirtschaftsgeschichte in einer pommernschen Hansestadt [A

- medieval rye find from the property Schuhhagen 1 in Greifswald; early industrial housekeeping in a Hanseatic city in Pomerania]. *Baltische Studien* **88**: 43-55
- J. Robinson (2002) Environmental evidence. *Essex Archaeology and History* **33**: 181-185 (in G. Hull et al, Barkingwic? Saxon and medieval features adjacent to Barking Abbey, pp 157-190)
- M. Robinson (2003) English Heritage reviews of environmental archaeology: Midlands Region insects. *English Heritage Centre for Archaeology Reports* **9/2003**: 125
- M.M. Schweising and G. Grupe (2003) Stable strontium isotopes in human teeth and bones: a key to migration events in the late Roman period. *Journal of Archaeological Science* **30(11)**: 1373-1383
- W. Smith (2003) Medieval charred remains from Whitegate Farm, Bleadon, north Somerset. *English Heritage Centre for Archaeology Reports* **56/2003**: 1-16
- V. Smrcka, V. Kuzelka and J. Melková (2003) Meningioma, probable reason for trephination. *International Journal of Osteoarchaeology* **13(5)**: 325-330
- H.G. Stephan, T. Küntzel, U. Lüdecker, et al. (2003) 30 m unter Tage; Grabungen in Burgbrunnen von Schloss Nienover [30 m underground, excavations of the well at Schloss Nienover]. *Archäologie in Niedersachsen* **6**: 110-114
- I. Tantau, M. Reille, J. de Beaulieu, et al. (2003) Vegetation history in the eastern Romanian Carpathians: pollen analysis of two sequences from the Mohos crater. *Vegetation History and Archaeobotany* **12(2)**: 113-125
- B. Vanni re, G. Bossuet and A.V. Walter-Simmonet (2003) Land use change, soil erosion and alluvial dynamic in the lower Doubs valley over the 1st millennium A.D. at Neublans (Jura) France. *Journal of Archaeological Science* **30(10)**: 1283-1299
- J. Wiethold (2003a) Emmer, Hirse und Seebirse: verkohlte Pflanzenreste von der H neburg [Emmer, millet and club-rush: charred plant remains from the H neburg]. *Informationen und Berichte* [aus dem Braunschweigischen Landesmuseum] **2001(3-4)**: 32-34 (in Biegel, G (ed) Die H neburg bei Watenstedt. Ausgrabungsergebnisse 1998-2001)
- J. Wiethold (2003b) Arch obotanische Ergebnisse [Archaeobotanical results]. In H. Fries and J. Wiethold, Bemerkenswertes aus Stralsunds Altstadt - die Grabung Apollonienmarkt 6 und ihre Ergebnisse. *Arch ologische Berichte aus Mecklenburg-Vorpommern* **10**: 220-247
- J. Wiethold (2003c) Kohl, Kummel und Kornblume: Pflanzenresten aus einer Ziegellatrine vom Neuen Markt 14 in der Hansestadt Stralsund [Cabbage, caraway and cornflower, plant remains from a tile-lined latrine at Stralsund]. *Arch ologische Berichte aus Mecklenburg-Vorpommern* **10**: 297-309

**ASSOCIATION FOR ENVIRONMENTAL ARCHAEOLOGY: COMPILED ACCOUNTS TO END  
DEC 2002**

	<u>2000</u>	<u>2001</u>	<u>2002</u>
<b>Assets at start of year:</b>			
Bank account balances	6124.08	7231.54	10751.67
Cash	20.37	1.24	0.24
<b>Income:</b>			
Subscriptions	6713.50	7196.00	7260.50
Books, inc. Journal back nos.	1542.80	1834.75	2351.00
Interest	156.96	133.25	83.17
Meetings, NL flyers	952.00	7118.75	0
Income sub-total	9365.26	16282.75	9694.67
Initial assets and income, excluding books in stock:	15509.71	23515.53	20446.58
<b>Expenditure:</b>			
Office, stationery	100.87	36.75	141.65
Credit card charges	0	206.08	98.42
Bank charges			24.00
Committee, membership posters	376.20	27.07	63.00
CBA & Data Protection fee	60.00	60.00	63.00
Grants & Conferences	226.00	6191.61	785.00
Newsletter production & postage	1698.15	421.93	327.81
Web page	457.20	479.00	1135.24
Journal production & postage	3635.00 (EA4)	4103.69 (EA5)	9115.61 (EA6 & 7)
Books	1724.75	1230.99	2664.64
Bank charges			36.00
Sub-total expenditure	8278.17	12757.12	14454.37
<b>Assets at end of year:</b>			
Bank accounts	7231.54	10751.67	5992.21
Cash	1.24	0.24	0
Final assets, excluding books in stock:	7232.78	10751.91	5992.21

Jacqui Huntley, Treasurer. 26<sup>th</sup> September 2003.

**AEA ONE-DAY MEETING 2004: booking form**  
**University of Bradford**  
**Saturday 24<sup>th</sup> April**

Title.....

First name.....

Surname.....

Institution.....

Mailing address.....

.....

Phone.....

Email.....

Contribution:

Paper title and short abstract.....

.....

.....

.....

.....

Poster title and short abstract.....

.....

.....

.....

.....

Please send the registration form and cheque for the conference fee and lunch to:

Dr Jill Thompson,  
Department of Archaeological Sciences,  
University of Bradford,  
Bradford BD7 1DP.

or [j.b.thompson@bradford.ac.uk](mailto:j.b.thompson@bradford.ac.uk)