

# Association for Environmental Archaeology Newsletter 76 (May 2002)

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Edited by Wendy Carruthers and Vanessa Straker

Copy dates for Newsletter: 20th of the following months - January / April / July / October.

Items for the Newsletter may be submitted by e-mail or on disk (3.5" floppy disks in IBM-PC format as WordPerfect, Word or ASCII files) . Short typed manuscripts can be sent to:

Wendy Carruthers, Sawmills House, Castellau, Llantrisant, Mid Glamorgan CF72 8LQ, U.K. - Tel: +44 1443 223462 - e-mail: [wendy.carruthers@virgin.net](mailto:wendy.carruthers@virgin.net)

Vanessa Straker, School of Geographical Sciences, University of Bristol, University Rd., Bristol, BS8 1SS, U.K. - Fax: +44 117 928 7878 - e-mail: [V.Straker@Bristol.ac.uk](mailto:V.Straker@Bristol.ac.uk)

AEA Membership Secretary: Ruth Pelling, 14 Perfect View, Camden, Bath BA1 5JY, UK - Tel: 01225 332275 - e-mail: [membership@envarch.net](mailto:membership@envarch.net)

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

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## EDITORIAL

This edition of the Newsletter contains information about the one-day autumn meeting in Bournemouth, and next year's spring Symposium in Belfast.

Please note in the News from the Committee section, the request for nominations for three new members

of the Committee, including the position of Treasurer, and the announcement about the journal, 'Environmental Archaeology'. The Co-ordinating editor, Glynis Jones, would be grateful if members could submit articles for the journal so that we can maintain production of two issues a year beyond 2003.

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## **CHANGE OF ADDRESS**

The AEA Membership Secretary, Ruth Pelling, has moved from Oxford. Her new address for all AEA correspondence is:

Ruth Pelling, AEA Membership Secretary, 14 Perfect View, Camden, Bath, BA1 5JY  
Tel: 01225 332275 - e-mail: [membership@envarch.net](mailto:membership@envarch.net)

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## **NEWS FROM THE COMMITTEE**

### **NOMINATIONS TO THE AEA MANAGING COMMITTEE**

The AEA Managing Committee seeks nominations for two ordinary committee members and the position of Treasurer (three vacancies altogether, each a three-year position). The committee would welcome nominations from members not based in Great Britain, as two of the three committee members retiring this year are from countries outside the UK. Elections will be held at the one-day autumn meeting in Bournemouth.

The AEA Managing Committee meets four times a year (usually in March, June, September and December). The main items of business discussed are the organisation of conferences and publication of conference proceedings, and publication of the journal, as well as issues relating to the Newsletter, Webpage maintenance, and membership. At present, the AEA committee is also discussing the possibility of obtaining UK charitable status for the organisation. In addition to the role of Treasurer, the job of Publicity Officer, a job undertaken by an ordinary member, also becomes vacant. We particularly encourage candidates who are prepared to take on one of these specific jobs of the AEA Managing Committee.

#### **The role of Treasurer**

Rupert Housley, current AEA Treasurer, retires in spring 2003, but in order to facilitate a smooth hand-over, the AEA committee is seeking to elect a new Treasurer this autumn who will be able to work in close association with Rupert Housley during the first six months of his/her tenure.

The position of AEA Treasurer entails a number of duties, some of which only take place annually whilst others involve action on a regular basis. On a day-to-day basis the job involves keeping detailed records of all payments received (membership subscriptions, book sales, etc.) and of all transactions going out (journal and newsletter costs, Webpage maintenance, bulk book purchases, etc). The Treasurer is responsible for making payments into the bank and for checking monthly statements. All payments by cheque have to originate from the Treasurer and the post involves close liaison with the Membership Secretary, in particular, and other committee members. The Treasurer will also at times have to prepare brief summaries of the financial position of the AEA for Committee meetings when important decisions involving significant expenditure are being discussed. Annually the Treasurer is responsible for preparing the accounts of the Association and reporting the financial position to the AGM. In the future it is anticipated that the Treasurer will have a role in liaising with the UK Charity Commission should the AEA succeed in obtaining charitable status. The post would suit an organised responsible person with a reasonable feel for finances and good attention to detail.

#### **To make your nomination**

Any AEA member can make a nomination, but this must be seconded. Please state whether you are nominating a candidate for one of the two ordinary positions or the position of Treasurer. A brief, signed,

personal statement from the nominee (which implicitly indicates the nominee's willingness to stand) should accompany nominations. This statement will be published in the August Newsletter or, if received afterwards, read at the AGM.

Nominations can be received up to the time of the AGM, although the committee would like to encourage members to submit nominations before the August Newsletter deadline (20th July). Nominations and personal statements can be e-mailed or posted to:

Carol Palmer, AEA Secretary, School of Archaeology and Ancient History, University of Leicester, Leicester, LE1 7RH  
E-mail: [cp24@le.ac.uk](mailto:cp24@le.ac.uk)

Elections will be held at the one-day autumn meeting in Bournemouth (see below).

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### **\*\*\*IMPORTANT ANNOUNCEMENT ABOUT THE JOURNAL\*\*\***

Move to two issues per year and call for papers.

Next year, two issues of 'Environmental Archaeology: the journal of human palaeoecology' Volume 8, will be published. This is in response to membership wishes, including an overwhelming show of hands in favour at the 2001 AGM, and the receipt of an increasing volume of accepted submissions.

In order to maintain production of two issues per year beyond 2003, however, we do need you to keep on writing and submitting manuscripts. As you know, EA publishes contributions that include all fields of environmental archaeology from all regions of the world. Papers on new techniques, philosophical discussions, current controversies and suggestions for new areas for research, as well as more conventional research papers, are all acceptable. We welcome submissions from AEA members in particular, so please send your manuscripts to:

Glynis Jones, Co-ordinating Editor of Environmental Archaeology, Dept. of Archaeology and Prehistory, University of Sheffield, Northgate House, West Street, Sheffield, S1 4ET, UK  
(Tel: 0114 22 22904, Fax: 0114 272 2563, e-mail: [g.jones@sheffield.ac.uk](mailto:g.jones@sheffield.ac.uk)).

Also see: <http://www.shef.ac.uk/~ap/envarch/index.html>

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### **PAYMENT OF SUBSCRIPTIONS BY OVERSEAS MEMBERS**

The AEA recognises that overseas members have difficulties in paying their subscriptions due to the high cost of bank charges when converting their local currency into sterling. For this reason the Committee introduced a credit card facility that allows overseas members to make payments comparatively easily with minimal loss of revenue to the AEA (for every £24 subscription by credit card the AEA receives £23.04). It is currently the best method for paying overseas subscriptions if the payee does not have access to a sterling bank account.

In the past the AEA would also accept subscriptions in Eurocheques and in the form of Giro transfers. However due to changes in the way the banks process such transactions, these methods of subscription are no longer economically viable. The reason for this is due to the high charges that are imposed in converting other currencies into sterling. For example, of a £24 Giro payment the AEA receives just £21. For a £24 Eurocheque the situation is even worse since only £18.50 is received by the AEA. For this reason the Committee is proposing to stop accepting Giro and Eurocheque payments and to encourage overseas members to pay by credit card as this method of payment represents the best value to the association in terms of minimising transaction charges.

In the future it is hoped that the AEA will be able to establish a Euro account so that members in the Euro zone will not have to pay in sterling. However this is not yet possible and so the Committee would ask all overseas members without access to sterling accounts to make their subscription payments by credit card

rather than by Eurocheque or by Giro.

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## CONFERENCES AND MEETINGS

### **ANNOUNCEMENT:**

Association for Environmental Archaeology extended Field Trip:  
Shropshire and Herefordshire. Friday 28th June to Sunday 30th June 2002.

I am afraid that due to a very low level of interest in this field trip it has been cancelled.

David Smith, The University of Birmingham

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### **AEA - Bournemouth University One-Day Meeting**

Saturday, October 19th 2002

School of Conservation Sciences, Bournemouth University, Talbot Campus, Fern Barrow, Poole

The AEA autumn one-day meeting will be held on Saturday 19th October at Bournemouth University in the School of Conservation Sciences. Owing to the lack of Annual Conference this year, the AGM will be held on the day of the meeting.

We will have an open programme and offers of short papers (20 minutes) are invited. The presentation of recent results of all aspects of Environmental Archaeology and Palaeoecology are welcomed. The meeting is intended to be informal and students are to be encouraged. Contributors are asked to provide short abstracts in advance of the meeting. Tea and coffee will be provided and there will be a break for lunch (not provided unless requested). A small charge of £5 for the day will be made to cover costs of printing and refreshments. The School of Conservation Sciences (Talbot Campus) is about 30 minutes walk from Bournemouth station. Maps will be provided on request.

Papers to start at 10.30am and finish about 4.30pm (followed by AGM)

If you would like to offer a contribution, please email us ([hsmith@bournemouth.ac.uk](mailto:hsmith@bournemouth.ac.uk)) or post the form at the back of the newsletter. The closing date for the submission of paper titles/abstracts is 1st September 2002.

For further information please contact one of the organisers, at School of Conservation Sciences, Bournemouth University, Talbot Campus, Fern Barrow, Poole, BH12 5BB

Organisers: Helen Smith, Mark Maltby

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### **The Godwin Institute for Quaternary Research of the University of Cambridge announces a Godwin Conference marking the completion of the Stage 3 Project - Achievements in glacial palaeoclimatological and palaeoenvironmental studies and their impact on Palaeolithic archaeology**

Cambridge, June 20-22, 2002

First circular

The Stage 3 Project was established by the Godwin Institute in 1996 to address this question:

Did the Neanderthals become extinct late in the last glacial due to the severe, unstable climate, while modern humans, were able to adapt physically, technically or culturally?

The Stage 3 Project is an interdisciplinary, international research programme designed to address this

question using existing data and computer models. It aims at asking better questions with better answers as a bonus. The Project adopted a two-step approach. First we wished to gain insight in the climate and climate changes of Oxygen Isotope Stage 3 in Europe and the associated vegetation and mammalian fauna. In the context of diverse and changing glacial climates and landscapes we analysed human behaviour, using a large database of published archaeological dates as proxies for the human presence in time and space. The Project is unique because it relies on volunteer workers and, except for two grants and modest gift money, all costs were borne by the volunteers themselves. It offers instructive examples for currently popular thematic programmes on "Human Evolution and Climate Change." More about the Stage 3 Project and its members can be found on its website:

<http://www.esc.cam.ac.uk/oistage3/Details/Homepage.html>

At the Conference members of the Stage 3 Project will present its results in lectures and posters, and invited speakers from outside the Project will review it from a wider perspective.

To express your interest, e-mail us at: [Stage3@esc.cam.ac.uk](mailto:Stage3@esc.cam.ac.uk)

A Second Circular and Registration forms can also be downloaded at the Conference website at: <http://www.the-conference.com/2002/Stage3>

If e-mail is not possible, please write to:

Professor Tjeerd H. van Andel  
Department of Earth Sciences  
University of Cambridge  
Downing Street  
Cambridge CB2 3EQ  
UK

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## **Wellcome Bioarchaeology Day for the North of England**

Location: D4 Lecture Theatre, Richmond Building, University of Bradford,  
Date: September 5, 2002

The Wellcome Trust, in conjunction with the Department of Archaeological Sciences, University of Bradford, will host a day of presentations on the funding opportunities available for research in bioarchaeology under the auspices of the Wellcome Trust. The day will include presentations from Dr. Gavin Malloch and representatives of the Wellcome Trust, a series of research overview presentations, and research presentations from current Wellcome Trust grant and fellowship holders. The meeting will also provide a forum for questions and answers for those interested in obtaining research support from the Trust in the future. The cost for the day is £20.00 and will include lunch and coffee/tea.

You can download a booking form by [clicking here](#).

The Schedule for the Day is as follows:

9.45-10.15 am - Registration with tea/coffee

10.15 am - Welcome from Professor Mark Pollard, PVC for Research, University of Bradford, Chair of the meeting

10.30-11.30 am - Seminar with the Wellcome Trust representatives to discuss funding opportunities offered by the Trust

11.30-12.30 - presentations from the Wellcome Trust University Lecturers

11.30-12.00 - Dr. Alan Cooper, Ancient Biomolecule Research Centre, University of Oxford, "Problems and

## Solution in Ancient DNA Research: Contamination, Damage, and Authentication"

12.00-12.30 - Dr. Mike Richards, Department of Archaeological Sciences, University of Bradford, "The Evolution of Human Diets"

12.30 pm - Lunch

1.30- 3.30 pm - Presentations on current research from individuals presently funded by the Wellcome Trust

1.30- 1.50 - Jennifer Hiller, Department of Archaeology and Prehistory, University of Sheffield and Fossil Fuels and Environmental Geochemistry, University of Newcastle, "New Methods for Detecting Preservation in Archaeological Bone"

1.50-2.10 - Dr. Christina Nielsen-Marsh, Fossil Fuels and Environmental Geochemistry, University of Newcastle, "Direct Sequencing of Protein from Ancient Bones Using Matrix-Assisted Laser Desorption Ionization Mass Spectroscopy"

2.10-2.30 - Tom Gilbert, Ancient Biomolecules Research Centre, University of Oxford, "Characterising Post-Mortem Driven DNA Damage in Ancient Specimens"

2.30-2.50 - Elizabeth Stuckey, Department of Biomolecular Sciences, UMIST, "A Biomolecular Approach to the Study of Malaria in Neolithic and Bronze Age Greece"

2.50-3.10 - Dr. Susan Haynes, Department of Biomolecular Sciences, UMIST, "The Origin and Evolution of Einkorn Domestication"

3.10-3.30 - Andrew Isaac, Department of Biomolecular Sciences, UMIST, "Using Microsatellites to Study the Domestication and Spread of Emmer Wheat"

3.30 - 4.00 pm - Coffee/Tea

4.00-5.00 pm - Questions and Answers

5.00 pm - Close and Departure

Please return the reply slip with a cheque payable to 'The University of Bradford' to: Mr. John McIlwaine, Professional and Continuing Education Officer, "Wellcome Bioarchaeology Day", Department of Archaeological Sciences, University of Bradford, Bradford, West Yorkshire, BD7 1DP.

Further information about the day can be addressed to:

Dr. Christopher Knüsel  
Department of Archaeological Sciences,  
Tel.: 01274 233545  
Fax: 01274 235190  
E-mail: [c.knusel@bradford.ac.uk](mailto:c.knusel@bradford.ac.uk)

I would like to attend the Wellcome Trust Bioarchaeology Day for the North of England on 5 September 2002.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Dietary Preference: vegan \_\_\_\_ vegetarian \_\_\_\_ other (please specify) \_\_\_\_\_

I enclose a cheque in the amount of £20.00 made out to 'The University of Bradford'.

Please return to:

Mr. John McIlwaine,  
"Wellcome Bioarchaeology Day",  
Department of Archaeological Sciences,  
University of Bradford,  
Bradford,  
West Yorkshire, BD7 1DP.

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## **Worlds apart? Human settlement and biota of islands.**

Association for Environmental Archaeology Annual Symposium, School of Archaeology and Palaeoecology, Queens University Belfast, Belfast.  
24th-26th April 2003

Islands play a central role in the formation of both environmental and social communities. This conference aims to bring together palaeoecologists, environmental archaeologists, archaeologists and social historians to explore these themes. Ireland has a rich archaeology and natural history associated with islands, ranging from investigations of small islands and crannogs in lakes, islands in sea Loughs and inlets to of islands off the coast. In addition to these more obvious islands, there are areas of dry islands land within substantial areas of bog and floodplain, which have been foci for colonisation by fauna, flora and human inhabitants. However, people have also created their own social islands or isolated communities, on grounds of religious or cultural difference. The conference aims to explore how such environmental or social communities survived in such settings and the particular problems they faced.

Whilst one of the central themes will be the island palaeoecology, archaeology and history of Ireland, we are actively seeking contributions on any aspect of island research.

Key issues to be addressed include:

- The environmental archaeology of island communities, including the influence of marginality on them and their associated biota
- Island buffering mechanisms
- The use and perception of islands during particular periods
- The origin of island floras and faunas & the spread of non indigenous taxa
- Island biogeography
- Inter-relationships between dry and wet environments
- Isolation and inter-dependence within islands
- Creation of social islands or isolated communities
- Connections between islands (networks, relationships between islands and mainland/other communities)

Conference organisers: Dr. Nicki Whitehouse ([n.whitehouse@qub.ac.uk](mailto:n.whitehouse@qub.ac.uk)), Dr Eileen Murphy ([Eileen.Murphy@qub.ac.uk](mailto:Eileen.Murphy@qub.ac.uk)), Dr Finbar McCormick ([f.mccormick@qub.ac.uk](mailto:f.mccormick@qub.ac.uk)) Dr Gill Plunkett ([g.plunkett@qub.ac.uk](mailto:g.plunkett@qub.ac.uk)).

Deadline for submission of paper titles and abstracts (300 words max): 1st December 2002. These should be sent to the conference organisers either by email ([aea-islands@qub.ac.uk](mailto:aea-islands@qub.ac.uk)) or by post to:

AEA Conference  
School of Archaeology and Palaeoecology  
Queens University Belfast  
University Road  
Belfast BT7 1NN

## Conference Programme:

Thurs 24th April

Morning/afternoon: Academic sessions

Evening: Wine Reception

Friday 25th April

Morning/Afternoon: Academic Sessions

Evening: Conference Dinner

Saturday 26th

Morning/afternoon: Optional field trip to Co. Down (Lecale area)

### Registration

This covers all academic sessions, tea and coffees and the wine reception. If you require accommodation and wish to attend the conference dinner, please register no later than the 20th February 2003. After this date, individuals will not be able to register for the dinner and will have to make their own accommodation arrangements.

A booking form is provided at the end of this Newsletter. Details of the field trip, maps, information on accommodation and transport and a full conference schedule and itinerary will be sent following receipt of booking form. If anyone would like any leaflets to advertise the conference, please get in touch with:

Dr. Nicki J. Whitehouse  
School of Archaeology and Palaeoecology  
Queens University of Belfast  
Malone Road  
Belfast BT7 1NN

Tel. 028 90273978.

Fax number: 028 90335354

Mobile: 07813 076464

Email: [N.Whitehouse@qub.ac.uk](mailto:N.Whitehouse@qub.ac.uk)

If you require any further details, please address enquiries to the organising committee at the following address or email us on:

[aea-islands@qub.ac.uk](mailto:aea-islands@qub.ac.uk)

AEA Conference  
School of Archaeology and Palaeoecology  
Queens University Belfast  
University Road  
Belfast BT7 1NN

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## CONFERENCE REPORT

### ASSOCIATION FOR ENVIRONMENTAL ARCHAEOLOGY Irish Seminar, Saturday 23rd March 2002

This one-day seminar organised by Eileen Reilly and Adian O'Sullivan was a follow-on from the stimulating session held at Queen's University in Belfast in November 2000. Once again the scope of the papers was broadly 'recent research in Ireland' and the programme demonstrated that both the breadth and the depth of paleoenvironmental research in Ireland are increasing. The seminar was well run, the standard of the papers was high and the discussion was lively.

There were fifteen papers covering both research on Irish material and research by Irish investigators in other countries. A wide range of specialisms were covered including insect remains, archaeobotany, archaeozoology, paleohydrology, tephra analysis, dendrochronology, human osteology, and palynology. There were also a number of more synthetic papers that brought together many strands of evidence.

The presence of environmental work in all aspects of Irish Archaeology was also evident. While the majority of speakers had academic affiliation, several of the papers covered work carried out in the private sector (I. Stuijts, M. McClatchie, P. Johnston and E. O'Donovan). Indeed the co-operation between Margaret Gowen Ltd. and University College Dublin indicates that there is increasing integration between these two spheres. Independent research units were also represented with speakers from the Irish Archaeological Wetland Unit and the Discovery Programme. The presentation of papers by field archaeologists (C. Murray and E. O'Donovan) was also encouraging as it indicates that the results of paleoenvironmental work are being used more broadly.

The seminar demonstrated substantial contributions to understanding the development of both landscapes and archaeological sites. It also showed that environmental work can both answer questions posed by the archaeological record, and frame research agendas of its own. Unfortunately, in the absence of national guidelines relating to environmental material in excavation, this kind of work proceeds largely through the good intentions of the individuals and organisations involved.

This seminar and the Queens seminar which preceded it have shown that environmental archaeology is alive and well in Ireland. Hopefully the positive sense created by these meetings will be translated into more regular sessions with thematic focus.

**Sarah Cross,  
English Heritage, Centre for Archaeology, Portsmouth**

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## ADVERTISEMENTS

### PUBLICATION FOR SALE

Véronique Matterné 2001 Agriculture et alimentation végétale durant l'âge du Fer et l'époque gallo-romaine en France septentrionale. (ISBN 2-907303-51-1) 310 p., 105 pl., nbr. tabl.

This is an archaeobotanical survey of the results obtained from 78 settlements from the northern part of the Paris basin. The extensive record is considered principally under the following topics: the history of crop cultivation, the changes of agricultural practices and the transformation of agrarian regimes.

This is available from Editions Monique Mergoïl, 12 rue des Moulins, F 34530 Montagnac at a price of 39 Euros + 4.8 post and packing.

Tel/fax 04 67 24 14 39. Mobile 06 73 87 13 91.

E-mail : [monique.mergoïl@wanadoo.fr](mailto:monique.mergoïl@wanadoo.fr)

Bank card payment accepted.

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## THE HOLOCENE

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visit us on the web at <http://www.holocenejournal.com>

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## PUBLICATIONS

We are very grateful, as always, to James Greig for the following information. James writes: "Many thanks for references received from I. Baxter, S. Bottema, W. van Zeist. References gratefully received from the rest of you! Please email to: [greigjra@bham.ac.uk](mailto:greigjra@bham.ac.uk)"

### [ [Books](#) - [Chapters](#) - [Articles](#) ]

## BOOKS

Anonymous (2002) Environmental archaeology; a guide to the theory and practice of methods, from sampling and recovery to post-excavation. (Centre for Archaeology Guidelines, 1) English Heritage, Swindon, 35 pp.

R.-M. Arbogast, C. Jeunesse and J. Schibler (2001) Rôle et statut de la chasse dans le Néolithique Ancien Danubien (5500-4900 av J-C) [Role and status of hunting in the early Danubian Neolithic (5500-4900 BC) (in France and Switzerland)]. (IA-ASTK, 1) VML, 435 pp. ISBN 3896464310; £50 hb

D.J. Brewer and T. Clark (2002) Dogs in antiquity. Aris & Phillips,, 120 pp. ISBN 0856687049; £16.50 pb

B. Clavel (2001) L'animal dans l'alimentation medievale et moderne en France du Nord XIIe - XVIIe siècles [The role of animals in medieval and modern food in France from the 12th to the 17th centuries]. (Revue archéologique de Picardie, No spécial 19), 204 pp. 29 E

K. Dobney and T. O'Connor (2002) Bones and the man: studies in honour of Don Brothwell. Oxbow, Oxford, 120 pp. ISBN 1842170600; £30 hb; 14 papers mainly on archaeozoology

K. Heine (2001) Palaeoecology of Africa and the surrounding islands. Balkema, Rotterdam, 327 pp. ISBN 3896463276; £56 hb

R.-D. Kahlke (2001a) Das Pleistozän von Untermassenfeld bei Meiningen (Thüringen) [Pleistocene remains from Untermassenfeld] Vol 3. (RGZM Monograph, 40(3)) Habelt, Bonn, 331 pp. ISBN 3774930813; £35.50 hb; small animals, insects, herbivores, climate

R.-D. Kahlke (2001b) Das Pleistozän von Untermassenfeld bei Meiningen (Thüringen), Vol 2. (RGZM Monograph, 40(2)) Habelt, Bonn, 280 pp. ISBN 3774930805; £47; animal remains

D. Maddy, M.G. Macklin and J.C. Woodward (2001) River basin sediment systems: archives of environmental change. Balkema, Rotterdam, 530 pp. ISBN 9058093425; £70 hb

P. Méniel (2001) Les Gaulois et les animaux: élevage, repas et sacrifice [Gauls and animals: rearing, eating and sacrifice]. Errance, 127 pp. ISBN 2877722015; £14.50 pb

J.D. Meunier and F. Colin (2001) Phytoliths: applications in earth science and human history. Balkema, Rotterdam, 378 pp. ISBN 905809345X; £82.50 hb

A.M. Pollard (1999) Geoarchaeology: exploration, environments and resources. (Geological Society special publication, 165) Geological Society, London, 180 pp. ISBN 1-86239-053-3; £65 hb

S. Triantaphyllou (2001) A bioarchaeological approach to prehistoric cemetery populations from central and western Greek Macedonia. (British Archaeological Reports (International Series), 976) BAR Archaeopress, Oxford, 172 pp. ISBN 1841711853; £42

W. van Zeist, S. Bottema and M. van der Veen (2001) Diet and vegetation at ancient Carthage, Groningen, 104 pp.

J. Weinstock (2000) Late Pleistocene reindeer populations in middle and western Europe. An osteometrical study of *Rangifer tarandus*. (BioArchaeologica, 3) Mo Vince, Tübingen, 307 pp. ISBN 3 93400 02 7

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## CHAPTERS

D.E. Anderson (1999) The peatlands of northwest Scotland as Holocene palaeoclimatic archives. In P. Andrews and P. Banham (eds.), Late Cenozoic environments and hominid evolution. Geological Society, London, pp. 235-245.

S. Bottema, H. Woldring and I. Kayan (2001) The late Quaternary vegetation history of western Turkey. In J. J. Roodenberg and L. C. Thissen (eds.), The Ipinar excavations II. Nederlands instituut voor het nabije Oosten, Leiden, pp. 327-354.

C. Brombacher and M. Klee (2001) Untersuchungen der botanischen Makroreste. In C. Achour-Uster and J. Kunz (eds.), Autobahngrabungen: Die mittelbronzezeitlichen Siedlungsstelle von Birmensdorf-Stoffel, Grabungen 1995-1996. (Zürcher Archäologie 4), Zürich pp. ??-??

J. Greig (2002) The 13th - 18th century plant remains. In N. Baker (ed.), Shrewsbury Abbey, studies in the archaeology and history of an urban abbey. (Shropshire Archaeological and Historical Society Monograph 2), pp. 163-177.

A. Hagendorn, H. Hüster-Plogmann, S. Jacomet, et al. (2001) Grenades, maquereaux et autres délicatesses [Pomegranates, mackerel and other delicacies]. In L. Flutsch (ed.), VRAC - l'archéologie en 83 trouvailles, hommage collectif à Daniel Paunier, Lausanne pp. 88-89.

S. Jacomet and J. Schibler (2001) Umwelt und Ernährung [environment and food]. In A. Furger, C. Isler-Kerényi, S. Jacomet, et al. (eds.), Archäologie und Kulturgeschichte der Schweiz, Band 3. Neue Zürcher Zeitung, Zürich pp. 107-130.

A.K.G. Jones (2002) Fish bones. In N. Baker (ed.), Shrewsbury Abbey, studies in the archaeology and history of an urban abbey. (Shropshire Archaeological and Historical Society 2), pp. 158-159.

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I would like to attend the meeting

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A map and programme will be sent to those who return the form. The cost of the meeting will be £5.00, which should be included with this form. This includes abstracts, tea, coffee and biscuits. Cheques should be made payable to "School of Conservation Science".

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24th-26th April 2003

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Conference Dinner (excl wine). £22 .....

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