



Association for Environmental Archaeology

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Edited by Wendy Carruthers and Vanessa Straker

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(e-mail addresses: wendy.carruthers@virgin.net; V.Straker@Bristol.ac.uk; FAX: 0117 928 7878)
V. Straker, School of Geographical Sciences, University of Bristol, University Rd., BRISTOL, BS8 1SS.
Wendy Carruthers, Sawmills House, Castellau, Llantrisant, Mid Glamorgan CF72 8LQ (Tel: 01443 223462).

AEA Membership Secretary: Ruth Pelling, AEA Membership Secretary, 14 Perfect View, Camden, Bath BA1 5JY, Tel: 01225 332275; membership@envarch.net

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

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EDITORIAL

AEA members are urgently requested to read the item regarding **proposed subscription rate changes** in the News from the Committee section below. Please return your vote to the AEA secretary, Carol Palmer, by the **15th September** – you may vote either by returning the slip in this Newsletter by post or by e-mail.

This Newsletter also gives information about the next three AEA conferences and meetings, including a first announcement for next years 25th Anniversary Symposium in Bad Buchau, southern Germany.

NEWS FROM THE COMMITTEE

VOTE TO CHANGE AEA SUBSCRIPTION RATES

This year two initiatives have been developed which we hope have been beneficial to members. The first of these is that two issues of the journal, *Environmental Archaeology: The Journal of Palaeoecology (EA)*, will be published. Current members should have received the first issue (published in April) and the next issue is due in the autumn (published in October). The second involves the continued development of the AEA website, for example to include back issues of *Circaea*, and a redesigned website has just been launched (see below). So that we can continue with these initiatives, in particular the provision of two issues of the journal per year, the committee is asking members to vote for a subscription rates rise, to cover the cost of the journal and the rising costs associated with the website, increasing postal charges etc.

The committee proposes that the subscription rates be increased to £38 for full members (plus £6 postage for overseas members) and £28 for students/unwaged (with no postage charges for student/unwaged overseas members). How is your fee spent? If the new rates are accepted by the membership, we project that 79% of the full membership rate will be spent annually on producing two issues of *EA* and 13% on maintaining the website and Newsletter, leaving a small proportion to cover additional costs. The committee is aware that this represents a sizable increase, but members should note that the cost of the extra journal issue this year was covered from existing AEA funds and this cannot be continued without a subscription rates rise. This increase allows for anticipated rises in costs over the next five years and so, if the subscription rates rise is accepted, the committee will endeavour to maintain the current rate for at least five years.

Therefore the committee would like to ask AEA members to support the proposed increase in subscription rates from 2004. **A voting slip is provided at the back of this Newsletter and members can also vote by e-mail. This is a very important issue so please vote.** The deadline for receipt of votes is **15 September, 2003**. Voting slips and e-mails should be sent to:

Carol Palmer, AEA Secretary, Department of Archaeology, University of Sheffield, Northgate House, West Street, Sheffield, S1 4ET, UK. E-mail: c.palmer@sheffield.ac.uk.

AEA APPLICATION FOR CHARITABLE STATUS

In March this year, the AEA Committee made its application to the Charity Commissioners for England and Wales, as outlined in previous newsletters. It seems that the regulations concerning the eligibility for charitable status have been very much tightened in recent months, however, and we were asked to supply a good deal of further information and paperwork in support of the AEA being an organisation for the benefit of the public at large. At the Committee meeting in July it was therefore decided that the amount of work required was unreasonable and unlikely to secure the desired result, so our application has been withdrawn. The Chair, Allan Hall, would like to thank those involved in making the application, especially Rupert Housley, who undertook all the early investigation of charitable status and waded through the Charity Commissioners' copious papers, and Carol Palmer and Jacqui Huntley, who contributed much of the effort to making the actual application.

ARH, 8/7/03

RELAUNCH OF THE AEA WEBSITE

The 'new look' AEA website has been launched. The first difference you will notice is that it has a main page with sub-divisions divided into sections, rather than using a left-hand menu, which we hope will be easier to navigate. The Webmaster has updated has all the links where possible and there is a temporary version of past Newsletter bibliographies (not the final form) as compiled by James Greig. In the near future, we also intend to add further back issues of *Circaea*.

In order to keep the website as up to date as possible, please keep sending items and comments to the Webmaster: r.craigie@sheffield.ac.uk. If you notice any links that need updating, please be sure to let the Webmaster know.

AEA AGM & ELECTIONS

The Annual General Meeting for the AEA will be held on the **29th September**, at the one-day meeting at York.

Draft agenda:

1. Report on committee's activities
2. Treasurer's report
3. Election of new committee members
4. Any other business

Accounts

Jacqui Huntley (AEA Treasurer) will present the accounts in full at the AGM.

Elections

Elections for new members of the AEA managing committee will be held at the York meeting

The current committee structure is as follows:

ELECTED COMMITTEE MEMBERS (elected term in [] and * = retiring this AGM)

Jan Bastiaens (Brussels) [2000-2003]*

Allan Hall (York) – Chair [2000-2003]*

Andy Howard (Leeds) [2001-2004]

Rupert Housley (Glasgow) [2001-2003]*

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]

Ruth Pelling (London) – Membership Secretary [2001-2004]

David Robinson (CfA, Portsmouth) [2002-2005]

Helen Smith (Bournemouth) – Conference Officer [2000-2003]*

Nicki Whitehouse (Belfast) [2002-2005]

CO-OPTED COMMITTEE MEMBERS

Wendy Carruthers (Llantrisant, Wales) – Co-editor of the Newsletter

Glynis Jones (Sheffield) – Journal Editor

Vanessa Straker (Bristol) – Co-editor of the Newsletter

Nominations are sought for three ordinary members and for the position of AEA Chair. Ruth Pelling is retiring from the position of Membership Secretary, although not from the Committee at present, and a nominee willing to undertake the role of Membership Secretary is sought.

Some nominations have already been received and brief personal statements by the nominees appear in this Newsletter. Further nominations, however, can be received up to the time of the AGM. Nominees should also provide a brief statement about themselves, which will be either be read or posted at the AGM as an introduction to other AEA members who may not know them (and which implicitly indicates the nominee's willingness to stand). Please send or e-mail nominations (which must be seconded) and candidate statements to the AEA Secretary:

Carol Palmer, AEA Secretary, Department of Archaeology, University of Sheffield, Northgate House, West Street, Sheffield, S1 4ET, UK.

E-mail: c.palmer@sheffield.ac.uk

ABSENTEE VOTING

If you cannot attend the AGM you can still vote by proxy (someone who is willing to attend the meeting). All you have to do is give a signed statement appointing whoever you wish to be your proxy to any member of the committee at any time before the AGM (and tell your proxy how you want them to vote!). If you wish, a member of the committee will act as your proxy.

Please send or e-mail proxy votes to the AEA Secretary (address above).

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BIOGRAPHIES OF CANDIDATES FOR AEA COMMITTEE

FOR THE POSITION OF AEA CHAIR:

David Earle Robinson (Centre for Archaeology, Portsmouth)

I studied Biology/Botany at Edinburgh University before embarking on a PhD with Jim Dickson at Glasgow university on 'The vegetational and land-use history of the West of Arran, Scotland', which involved pollen, plant macrofossil and charcoal analyses together with studies of peat stratigraphy. Subsequently, I worked as a contract researcher in the Department of Botany at Glasgow in co-operation

with Jim and Camilla Dickson, employed by the SDD and the Scottish Urban Archaeological Trust to carry out field work and pollen and plant macrofossil analyses of material from their excavations in Scotland.

In 1985 I was appointed to a then newly-created position in the Environmental Archaeology Department of the Danish National Museum, Copenhagen as "museumsinspektør" i.e. researcher (subsequently senior researcher) in the fields of plant macrofossil analysis, pollen analysis and bog geology. I was involved in a wide range of archaeological research projects throughout Denmark, covering the period from the Mesolithic to recent times.

In April 2002 I returned to England, to work as a palaeoecologist/palynologist at English Heritage's Centre for Archaeology in Portsmouth.

As a PhD student I attended the first AEA meeting at Lancaster University in 1980 and was a regular contributor at subsequent conferences in the 1980s. In 1988 I organised the AEA meeting in Roskilde, Denmark and edited the proceedings, which were published by Oxbow Books in 1990. I attended fewer AEA conferences in the 1990s primarily due to other commitments in Denmark, but maintained close contacts with the AEA, being a member of the editorial board of the journal *Environmental Archaeology*. At the autumn 2002 meeting in Bournemouth I was elected to the AEA committee. I have now a good insight into the workings of the AEA and if elected I look forward to being involved in maintaining and extending the Association's activities.

Proposed by: Allan Hall, Seconded by: Harry Kenward

FOR THE ORDINARY COMMITTEE MEMBER POSITIONS:

Alan K. Outram (Department of Archaeology, University of Exeter)

I am a Lecturer in Archaeology at the University of Exeter and an Honorary Research Associate of the Carnegie Museum of Natural History. I gained my BA in Archaeology from the University of Durham in 1994 and went on to study for the MSc in Environmental Archaeology and Palaeoeconomy at Sheffield. I returned to Durham where I completed my PhD thesis on *The identification and palaeoeconomic context of prehistoric bone marrow grease exploitation* in 1998. At Exeter, I teach zooarchaeology and modules on the palaeoeconomics of hunter-gatherers and early farmers and am also engaged with teaching on our new MA in Experimental Archaeology.

I have continued my research on the exploitation of bone marrow and grease by people under subsistence stress. This research has included the study of bone assemblages from Palaeoeskimo sites in Greenland, medieval Norse sites in Greenland and Iceland, a Neolithic site in Sweden, and Mesolithic sites in Britain and Italy. I recently chaired a session on the Palaeoeconomics of Animal Fats at the International Council for Archaeozoology 2002 conference and intend to extend my work on the role of fat in the past still further. I have also been employing the bone fracture and fragmentation methodologies, I originally designed to study bone marrow exploitation, to investigate the unusual treatment of human and animal remains at the Bronze Age ritual site of Velim Skalka, Czech Republic (in collaboration with Chris Knüsel at Bradford and Anthony Harding at Durham). My current fieldwork is in Kazakhstan on a collaborative project investigating the Eneolithic, Botai Culture sites of Krasnyi Yar and Vasilkovka (with Sandra Olsen, Carnegie Museum and Bruce Bradley, Exeter). These are sites related to early horse domestication. I am also carrying out pilot research (with Richard Evershed, Bristol) into identifying the earliest milking of horses, and more about the economic context of horse domestication in Central Asia, from lipid residue and zooarchaeological analyses.

I have been a member of the AEA since 1995 and feel it is time that I put something back into the association by serving on its committee.

Proposed by: Carol Palmer, Seconded by: Christopher Knüsel

CONFERENCES & MEETINGS

AEA ONE-DAY MEETING, UNIVERSITY OF YORK Monday 29th September 2003

The meeting would welcome reports on work in progress, thematic papers intended to stimulate debate, and contributions from younger colleagues.

Papers offered so far include:
Jane Bunting on pollen dispersal and deposition
Joanna Bending on plant macrofossils from the North Atlantic islands
Althea Davies on the human impact on upland diversity
Mandy Jay on isotopes in Iron Age bones
Further short contributions on any aspect of environmental archaeology are invited.
Registration details and offers of papers, please to:
Terry O'Connor
Department of Archaeology
University of York
Kings Manor
York YO1 7EP
tpoc1@york.ac.uk

URBAN ENVIRONMENTAL ARCHAEOLOGY: TOWARDS A NEW AGENDA
UNIVERSITY OF YORK
Tuesday 30th September 2003

The aim of this one-day seminar is to review the current state of environmental archaeology in towns, and to propose and discuss the directions that this research should take in the future.

The programme will include:

Andy Howard on the Vale of York project

Andrew Jones on growing the next generation of European urban environmental archaeologists

John Evans on ideas from Italian urban archaeology

Jane Siddell on 30 years of environmental archaeology in London.

Further contributions are invited: either critical reviews of progress to date, thematic discussions, or forward-looking proposals.

Both meetings will be held at the Department of Archaeology, University of York, located in the King's Manor in central York. <http://www.york.ac.uk/np/maps/kmdirect.htm>
Slide, OHP, and data projector facilities will be available. Tea, coffee etc will be available from the King's Manor Refectory, and lunch from the Refectory and other establishments within a few minutes' walk. A small registration charge (£3 per day) will be made to cover abstracts book and minor costs.
PLEASE NOTE that prior registration will be necessary, as the lecture room is of satisfactory but finite capacity!

Registration details and offers of papers, please to:
Terry O'Connor
Department of Archaeology
University of York
Kings Manor
York YO1 7EP
tpoc1@york.ac.uk

Association for Environmental Archaeology

One-day meeting at the Department of Archaeological Sciences
University of Bradford

Saturday 24th April 2004

Contributions are invited for the AEA spring meeting, to be held in Bradford on Saturday 24th April 2004. Short papers and posters on any aspect of environmental archaeology are welcome, and we particularly encourage reports on current work, thematic papers and contributions from younger colleagues.

Further details and a booking form will be circulated with the next AEA Newsletter

AEA - Association for Environmental Archaeology

25th Anniversary Symposium in Bad Buchau, Southern Germany

02 – 05th September 2004

Economic and environmental changes during the 4th and 3rd millenium BC

ORGANIZERS

Nationalmuseum of Denmark Landesdenkmalamt Baden-Württemberg Federseemuseum Bad
Buchau

CONTACT ADDRESS

Dr. Ralf Baumeister
Federseemuseum Bad Buchau
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 4th and 3rd 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 4th and 3rd 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 and registration forms will be printed in the next Newsletter

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 for more information about the conference venue.

PUBLICATIONS

We are very grateful to James Greig for gathering together and sending in the following information. James writes, "Many thanks to those (few) who sent in material, and to Marina Ciaraldi for help with literature searches on the web. Further references to jimi.gee@virgin.net. I would also welcome comments on the coverage and arrangement of this bibliography in order to try to make it as useful as possible within the usual limits of time and available resources."

BOOKS

D. Dincauze (2000) *Environmental Archaeology: principles and practice*. Cambridge University Press, Cambridge, 587 pp. ISBN 0521310776, £25.95 pb

J.G. Hather (2000) *The identification of northern European woods*. Archetype, London.

T.P. O'Connor (2003) *The analysis of urban bone assemblages: a handbook for archaeologists*. (Archaeology of York, 19/2) CBA/York Archaeological Trust, York.

B.M. Smith (2002) *A palaeoecological study of raised mires in the Humberhead levels*. (British Archaeological Reports British Series, 336) BAR, Oxford, 154 pp. Paul Buckland brings a 1985 thesis out of obscurity!

THESES

E. Allué (2002) *Dinámica de la vegetación y explotación del combustible leñoso durante el Pleistoceno Superior y el Holoceno del Noreste de la Península Iberica a partir del análisis antracológico* [Vegetation dynamics and fuel wood exploitation during the Upper Pleistocene and the Holocene in the northeast Iberian Peninsula, based on analysis of charcoal remains, in Catalan]. doctoral thesis, Rovira i Virgili university, Tarragona, Spain

F. Bunnik (2000) *Vegetationsgeschichte der Lössböden zwischen Rhein und Maas* [Vegetation history of the loess soil area between the Rhine and Maas]. doctoral thesis, Utrecht university

B.M. Smith (2002) *A palaeoecological study of raised mires in the Humberhead levels*. (British Archaeological Reports British Series, 336) BAR, Oxford, 154 pp. Paul Buckland, who edited this, brings a 1985 thesis out of obscurity!

M. Stancikaite (2000) *Natural and human initiated environmental changes throughout the Late Glacial and Holocene in Lithuania territory*. doctoral thesis, Vilnius university

CHAPTERS

- G. Campbell (2000) Plant utilisation. In B. Cunliffe (ed.), *The Danebury environs programme; the prehistory of a Wessex landscape*. EH and OUCA, Oxford pp. 45-59.
- G. Campbell and V. Straker (2003) Prehistoric crop husbandry and plant use in southern England: development and regionality. In K. A. Robson Brown (ed.), *Archaeological sciences 1999. Proceedings of the archaeological sciences conference, university of Bristol 1999*. (BAR International Series 1111) BAR, Oxford pp. 14-30.
- G. Campbell (2000) charred plant remains. In B. Cunliffe and C. Poole (eds.), *The Danebury environs programme; the prehistory of a Wessex landscape*. EH and Oxford University Committee for Archaeology, Oxford pp. 116-127.
- S. Colledge (2001) Plant remains from the period 2 well 168A (AES 76-7). In P. Booth and J. Evans (eds.), *Roman Alcester, northern extramural area, 1969-1988 excavations*. (Council for British Archaeology Research Report 127) CBA, York pp. 290-293. After waiting 27 years, these results appear in print at last.
- P. Favre (2002) Archäobotanik [archaeobotany]. In C. Achour-Uster, U. Eberli, R. Ebersbach, et al. (eds.), *Die Seeufersiedlungen in Horgen. Die neolithischen und bronzezeitlichen Fundstellen Dampfschiffsteg und Scheller*. (Monographien der Kantonsarchäologie Zürich 36), Zurich pp. 150-180.
- L. Gidney (2000) Economic trends, craft specialisation and social status: bone assemblages from Leicester. In P. Rowley-Conwy (ed.), *Animal bones, human societies*. Oxbow, Oxford pp. 170-178.
- J.P. Huntley (2002) The plant remains. In P. R. Wilson (ed.), *Cataractonium: Roman Catterick and its hinterland. Excavation and research 1958-1997, part 2*. (Council for British Archaeology Research Reports 129) CBA, York pp. 439-445.
- S. Jacomet (2002) Les investigations archéobotaniques. In M. Reddé (ed.), *Rapport triennal (2000-2002) sur les fouilles Franco-Germano-Suisses à Oudenburg (Haut-Rhin)*, Paris pp. 283-307.
- S. Jacomet and G. Schibler (2002) Die archäobiologischen Untersuchungen aus den Ausgrabungen 1999 und 2000 in Biesheim/Kunheim. In H. U. Nuber and M. Reddé (eds.), *Le site militaire romain d'Oudenburg (Biesheim-Kunheim, Haut-Rhin, France)*. (Germania 80/1), pp. 208-212.
- M. Maltby (2001) Faunal remains. In P. Booth and J. Evans (eds.), *Roman Alcester, northern extramural area, 1969-1988 excavations*. (Council for British Archaeology Research Reports 127) CBA, York pp. 265-290.
- S. Mays (2002) Human bone. In P. R. Wilson (ed.), *Cataractonium: Roman Catterick and its hinterland. Excavation and research 1958-1997, part 2*. (Council for British Archaeology Research Reports 129) CBA, York pp. 383-391.
- N. Miller (2003) Archaeobotany in Iran. In N. Miller and K. Abdi (eds.), *Yeki Bud, Yeki Nabud; essays on the archaeology of Iran in honor of William M. Summer*. Cotson Institute of Archaeology, UCLA, Los Angeles pp. 8-15.
- P. Murphy (2002) The plant remains. In M. Atkin and D. H. Evans (eds.), *Excavations in Norwich 1971-1978, part 3*. (East Anglian Archaeology 100), pp. 230-234.
- M. Petrucci-Bavaud and S. Jacomet (2002) Archäobotanische Untersuchungen der Makroreste aus den befestigungszeitlichen Schichten [Study of the plant macrofossils from defensive period layers]. In P. A. Schwarz (ed.), *Kastelen 4. Die Nordmauer und die Überreste der Innenbebauung der spätromischen Befestigung auf Kastelen*. (Forschungen in Augst 24), pp. 287-325.
- M. Rösch (2001) Wald und Waldnutzung am Kaiserstuhl in alamannischer Zeit [Woodland and its use on the Kaiserstuhl in Alamannic times]. In B. Sasse (ed.), *Ein frühmittelalterliches Reihengräberfeld bei Eichstetten am Kaiserstuhl*. (Forschungen und Berichte zur Vor- und Frühgeschichte in Baden-Württemberg 75) Theiss, Stuttgart pp. 645-648.
- S. Stallibrass (2002) Animal bones. In P. R. Wilson (ed.), *Cataractonium: Roman Catterick and its hinterland. Excavation and research 1958-1997, part 2*. (Council for British Archaeology Research Reports 129) CBA, York pp. 392-438.
- P. Stokes (2000) A cut above the rest? Officers and men at South Shields Roman fort. In P. Rowley-Conwy (ed.), *Animal bones, human societies*. Oxbow, Oxford pp. 145-151.

J. van Dijk, E. Esser and J.T. Zeiler (2002) Archeozoölogie. In B. H. F. M. Meijlink and P. Kranendonk (eds.), *Boeren, erven, graven. De Boerengemenschap van De Bogen bij Meteren 2450-1250 v Chr* [Farmers, heirs, graves. The farming community of De Bogen near Meteren, 2450-1250 B.C., in Dutch]. (Rapportage Archeologische Monumentenzorg 87) ROB, Amersfoort pp. 547-665.

J. Weinstock (2002) The medieval and postmedieval bone remains. In M. Atkin and D. H. Evans (eds.), *Excavations in Norwich 1971-1978*, part 3. (East Anglian Archaeology 100), pp. 220-230.

J.T. Zeiler (2001) Archeozoölogie. In M. M. Sier and K. W. Koot (eds.), *Archeologie in de Betuweroute. Kesteren-De Woerd. Bowoningssporen uit de IJzertijd en de Romeinse tijd* [Archaeology of the Betuwe route, Kesteren - De Woerde; Iron Age and Roman occupation]. (Rapportage Archeologische Monumentenzorg 82) ROB, Amersfoort pp. 217-291.

J.T. Zeiler and L.I. Kooistra (2002) Kijkgaten in de tijd. Beelden van flora en fauna in het verleden [Peephole on to time. Images of flora and fauna from the past]. In G. van der Bent, G. van Ommering and R. van Rossum (eds.), *Dwars door de duinen. Een verkenningstocht van Den Haag naar Noordwijk* [Right across the dunes. A journey of discovery from The Hague to Noordwijk].

ARTICLES

U. Albarella (2003) Dogs in antiquity. Anubis to Cerberus: the origins of the domestic dog. *International Journal of Osteoarchaeology* **13(3)**: 183-184

T. Anderson (2003) A medieval bladder stone from Norwich, Norfolk. *International Journal of Osteoarchaeology* **13(3)**: 165-167

J.L. Araus, G.A. Slafer, R. Buxo, et al. (2003) Productivity in prehistoric agriculture; physiological models for the quantification of cereal yields as an alternative to traditional approaches. *Journal of Archaeological Science* **30(6)**: 681-694

A. Arndt, W. van Neer, B. Hellems, et al. (2003) Roman trade relationships at Sagalossos (Turkey) elucidated by ancient DNA of fish remains. *Journal of Archaeological Science* **30(9)**: 1085-1094

E. Asouti (2003) Woodland vegetation and fuel exploitation at the prehistoric campsite of Puarbas, south-central Anatolia, Turkey: the evidence from the wood charcoal macro-remains. *Journal of Archaeological Science* **30(9)**: 1185-1201

C.C. Bakels and S. Jacomet (2003) Access to luxury foods in central Europe during the Roman period: the archaeobotanical evidence. *World Archaeology* **34(3)**: 543-557

M. Balasse and A. Tresset (2002) Early weaning of Neolithic domestic cattle (Bercy, France) revealed by intra-tooth variation in nitrogen isotope values. *Journal of Archaeological Science* **29(8)**: 853-860

L. Bartosiewicz and G. Bartosiewicz (2002) "Bamboo spine" in a Migration Period horse from Hungary. *Journal of Archaeological Science* **29(8)**: 819-830

I.L. Baxter (2002) A donkey (*Equus asinus* L.) partial skeleton from a mid-late Saxon alluvial layer at Deans Yard, Westminster, London SW1. *Environmental Archaeology* **7**: 89-94

A.M. Berlin, T. Ball, R. Thompson, et al. (2003) Ptolemaic agriculture, "Syrian wheat" and *Triticum aestivum*. *Journal of Archaeological Science* **30(1)**: 115-122

K. Binka (2003) Palynological evidence for plant-animal interaction in the late Holocene. *Vegetation History and Archaeobotany* **12(1)**: 37-47

L. Björkman and P. Sjögren (2003) Long-term history of land-use and vegetation at Ire, an agriculturally marginal area in Blekinge, south Sweden. *Vegetation History and Archaeobotany* **12(1)**: 61-74

I. Bødker Enghoff (2000) Fishing in the southern North Sea region from the 1st to the 16th century A.D.: evidence from the fish bones. *Archaeofauna* **9**: 59-132

J.A.A. Bos and R. Urz (2003) Late glacial and early Holocene environment in the middle Lahn river valley (Hessen, central-west Germany) and the local impact of early Mesolithic people - pollen and macrofossil evidence. *Vegetation History and Archaeobotany* **12(1)**: 19-36

B. Burchard and M. Litynska-Zajac (2002) Plant remains from a Funnel Beaker Culture site at Niedzwiedz, Slomniki commune, Malopolska province. *Acta Palaeobotanica* **42(2)**: 171-176

- M. Canti (2003) Earthworm activity and archaeological stratigraphy; a review of products and processes. *Journal of Archaeological Science* **30(2)**: 135-148
- C. Cartwright (2003) Unusual use of freshwater mussel (*Unio* sp.) shells during the early Bronze Age at Tell es-Sa'idiheh, Jordan. *Environmental Archaeology* **8(1)**: 85-89
- E.E. Cole and F.J.G. Fraser (2003) Human impact on the Irish landscape in the late Holocene inferred from palynological studies at three peatland sites. *The Holocene* **13(4)**: 507-515
- A.D. Crockell, M.J. Allen and R.G. Scaife (2002) A neolithic trackway with peat deposits at Silvertown, London. *Proceedings of the Prehistoric Society* **68**: 185-213
- S.J.M. Davis (2002) British agriculture: texts for the zoo-archaeologist. *Environmental Archaeology* **7**: 47-60
- K. Dobney, A. Ervynck and B. la Ferla (2002) Assessment and further development of the recording and interpretation of linear enamel hypoplasia in archaeological pig populations. *Environmental Archaeology* **7**: 35-46
- R. Dubler and M. Klee (2002) Ländliches Leben in der spätmittelalterlichen Neustadt - Ein Heuschober aus der Zeit um 1400 an der Neustadtgasse 9 in Winterthur [Rural life in a late medieval new town - a hayrick from around A.D. 1400 in Winterthur]. *Kantonsarchäologie Zürich* **16**: 201-235
- A. Ervynck, W. van Neer, H. Hüster-Plogmann, et al. (2003) Beyond affluence: the zooarchaeology of luxury. *World Archaeology* **35**: 428-441
- J. Gardiner, M.J. Allen, S. Hamilton-Dyer, et al. (2002) Making the most of it: late prehistoric pastoralism in the Avon levels, Severn estuary. *Proceedings of the Prehistoric Society* **68**: 1-39 (pollen, bones etc.)
- J. Greig (2002) When the Romans departed... evidence of landscape change from Metchley Roman fort, Edgbaston, Birmingham. *Acta Palaeobotanica* **42(2)**: 177-184
- T. Hakbijl (2002) The traditional, historical and prehistoric use of ashes as an insecticide, with an experimental study on the insecticidal activity of washed ash. *Environmental Archaeology* **7**: 13-22
- V.A. Hall (2003a) Assessing the impact of Icelandic volcanism on vegetation systems in the north of Ireland in the 5th and 6th millennia B.C. *The Holocene* **13(4)**: 131-138
- V.A. Hall (2003b) Vegetation history of mid- to western Ireland in the 2nd millennium A.D.; fresh evidence from tephra-dated palynological investigations. *Vegetation History and Archaeobotany* **12(1)**: 7-17
- S. Hosch and P. Zibulski (2003) The influence of inconsistent wet sieving procedures on the macroremain concentration in waterlogged sediments. *Journal of Archaeological Science* **30(7)**: 849-858
- J.B. Innes and J.J. Blackford (2003) The ecology of late Mesolithic woodland disturbances: model testing with fungal spore assemblage data. *Journal of Archaeological Science* **30(2)**: 185-194
- G. Jones (2002) Weed ecology as a method for the archaeobotanical recognition of crop husbandry practices. *Acta Palaeobotanica* **42(2)**: 185-193
- M. Kühn, R. Szostek and R. Windler (2002) Äpfel, Birnen, Nüsse - Funde und Befunde einer Speicherbaus des 13. Jahrhunderts bei der Mörsburg [Apples, pears, nuts - finds and circumstances of a 13th century store building at Mörsburg]. *Berichte der Kantonsarchäologie Zürich* **16**: 271-308
- C.S. Lentfer, M.M. Cotter and W.E. Boyd (2003) Particle settling times for gravity sedimentation and centrifugation: a practical guide for palynologists. *Journal of Archaeological Science* **30(2)**: 149-168
- J. Light (2003) Dog cockle shells as occasional finds in Romano-British shell middens from Newquay, Cornwall, UK. *Environmental Archaeology* **8(1)**: 51-59
- J.F. Manen, L. Bouby, O. Dalnoki, et al. (2003) Microsatellites from archaeological *V. vinifera* seeds allow a tentative assignment of the geographic origin of ancient cultivars. *Journal of Archaeological Science* **30(6)**: 721-730
- S. Mays (2003) Bone strontium: calcium ratios and duration of breastfeeding in a mediaval skeletal population. *Journal of Archaeological Science* **30(6)**: 731-742
- W. van Neer, A. Ervynck, L.J. Bolle, et al. (2002) Fish otoliths and their relevance to archaeology: an analysis of medieval, post-medieval and recent material of plaice, cod and haddock from the North Sea.

Environmental Archaeology **7**: 61-76

M. Nesbitt, S. Colledge and M.A. Murray (2003) The organisation and management of seed reference collections. *Environmental Archaeology* **8**(1): 77-84

C. Palmer and M. van der Veen (2002) Archaeobotany and the social context of food. *Acta Palaeobotanica* **42**(2): 195-202

J. Pantaleon-Cano, E.I. Yll, R. Perez-Obiol, et al. (2003) Palynological evidence for vegetation history in semi arid areas of the western Mediterranean (Almeria, Spain). *The Holocene* **13**(4): 109-120

P. Patrick and T. Waldron (2003) Congenital absence of the patella in an Anglo-Saxon skeleton. *International Journal of Osteoarchaeology* **13**(3): 147-149

C. Polet and M.A. Katzenburg (2003) Reconstruction of the diet of a medieval monastic community from the coast of Belgium. *Journal of Archaeological Science* **30**(5): 525-534

L. Prøsch-Danielsen and P. Sandgren (2003) The use of pollen, magnetic and carbon analyses in identifying agricultural activity and soil erosion from the Neolithic to the Iron Age - a study of two lake sediment cores from Jæren, southwestern Norway. *Environmental Archaeology* **8**(1): 33-50

W. Prummel and J.T. Zeiler (2002) Bird remains from 17th century whaling stations on Spitsbergen (Svalbard). *Acta zoologica cracovensia* **45**: 205-213

S. Robinson, R.A. Nicholson, A.M. Pollard, et al. (2003) An evaluation of Nitrogen Porosimetry as a technique for predicting taphonomic durability in animal bone. *Journal of Archaeological Science* **30**(4): 391-404

M. Rösch (2001a) Pflanzenreste der Jungsteinzeit und der Völkerwanderungszeit aus Vörstetten, Kreiss Emmendingen [late Neolithic and migration period plant remains from Vörstetten]. *Archäologische Nachrichten aus Baden* **65**: 29-42

M. Rösch (2002) Eine steinzeitliche Miniatur-Kulturlandschaft in Hohenlohe; Denkmal früherer Landnutzung aus der Retorte [A stone age miniature cultural landscape in Hohenlohe, a trial example of earlier land use]. *Denkmalpflege in Baden-Württemberg; Nachrichtenblatt des Landesdenkmalamtes* **2/2002**: 68-73

P. Rowley-Conwy, P. Halstead and P. Collins (2002) Derivation and application of a Food Utility Index (FUI) for European Wild Boar (*Sus scrofa* L.). *Environmental Archaeology* **7**: 77-87

K. Rybníček and E. Rybníčková (2002) Vegetation of the Upper Orava region (NW Slovakia) in the last 1100 years. *Acta Palaeobotanica* **42**(2): 153-170

K. Sarmaja-Korjonen (2003) Contemporaneous *Alnus* decline and the beginning of Iron Age cultivation in pollen stratigraphies from southern Finland. *Vegetation History and Archaeobotany* **12**(1): 49-59

S. Stallibrass (2003) Consuming passions and patterns of consumption. *International Journal of Osteoarchaeology* **13**(3): 180-182

C.J. Stevens (2003) An investigation of agricultural consumption and production models for prehistoric and Roman Britain. *Environmental Archaeology* **8**(1): 61-76

P. Stokes and P. Rowley-Conwy (2002) Iron Age cultigen? Experimental return rates for Fat Hen (*Chenopodium album* L.). *Environmental Archaeology* **7**: 95-99

G. Turner and T. Anderson (2003) Marked occupational dental abrasion from medieval Kent. *International Journal of Osteoarchaeology* **13**(3): 168-172

M. van der Veen (2003) When is food a luxury? *World Archaeology* **34**(3): 405-427

B. van Geel, J. Buurman, O. Brinkkemper, et al. (2003) Environmental reconstruction of a Roman period settlement in Uitgeest (The Netherlands) with special reference to coprophilous fungi. *Journal of Archaeological Science* **30**(7): 873-874

C. Ward (2003) Pomegranates in eastern Mediterranean contexts during the late Bronze Age. *World Archaeology* **34**(3): 529-541

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