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**Edited by Wendy Carruthers and Vanessa Straker**

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

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**EDITORIAL**

This issue updates members on the AGM and the activities of the committee - many thanks to Meriel McClatchie for this. Please take note of the reminder about membership payment, there is a form at the back of the Newsletter.

We include further information about the Cork conference – please note that participants must register by **19<sup>th</sup> January 2007**.

Have you been to an Environmental Archaeology conference lately? Many thanks to those who send us conference reports for the Newsletter – we welcome all such reports!

**NEWS FROM THE COMMITTEE**

**MEMBERSHIP RENEWALS**

The time is fast approaching to renew your AEA membership! A renewal form for 2007 is printed at the back of the Newsletter. You do not need to complete this if you have arranged to pay your membership fee by standing order.

There will be no change in the membership fee, which remains at £38 for waged and £28 for students/unwaged. In addition, there is now no postage charge for overseas members.

If you do not already have one and would like to set up a **standing order** to renew your membership automatically each year, please complete the standing order form at the back of the Newsletter, which will be forwarded to your bank. The completed form should be **sent to NICKI WHITEHOUSE** at the address below.

Payment by **Visa** can be made by overseas members only. For reasons of security, the AEA do not hold members' Visa details. Members using this method of payment must therefore **confirm payment each year**, providing their payment details each time.

If you have internet banking, *you can set up a standing order yourself online, but we still need the form for our records*. The first payment should be made for 1st January 2007. In this case, please send in the completed form no later than 31st December 2006.

Members are asked to **submit their payment on time** (by end of December 2006), as reminders from the Membership Secretary are both costly and time-consuming.

**Membership Secretary:**

Dr Nicki Whitehouse  
Palaeoecology Centre  
School of Geography, Archaeology and Palaeoecology  
Queen's University Belfast, Belfast  
BT7 1NN, United Kingdom  
Email: [membership@envarch.net](mailto:membership@envarch.net)

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**MEMBERSHIP RENEWAL IN THE EUROZONE**

If you are living in the Eurozone, you may be interested in paying AEA membership fees using the IBAN (International Bank Account Number) electronic transfer system. With this system, an AEA member can go to their local bank and transfer money to an AEA account for a small fee.

The AEA has set up a bank account in the Republic of Ireland to enable payment of membership fees using this method. Your bank's charge for payment will vary, depending on the bank and country, but the fee should be low (for example, many banks in the Republic of Ireland charge around 50 cents – check your local bank for their rates).

AEA membership fees for IBAN transfers are: €58 waged and €42 student/unwaged. **Please also fill in the renewal form at the back of the Newsletter and send it to the Membership Secretary** at the address above so that we know where to send the Journal issues and newsletters.

Your bank will require the following details relating to the AEA's bank account. Please ensure that you **use the IBAN number** and that your **name** is recorded on the transfer. If possible, please also ensure that the transaction is marked as '**AEA sub**'.

**Bank:** Ulster Bank, High Street, Wilton, Cork, Republic of Ireland

**Branch code:** 98-54-88

**Account code:** 66252076

**Account name:** Association for Environmental Archaeology

**Swift Code:** ULSBIE2D

**IBAN:** IE55ULSB98548866252076

If you have any queries about using the IBAN system, please contact Meriel McClatchie ([m.mcclatchie@ucc.ie](mailto:m.mcclatchie@ucc.ie)).

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**THE JOURNAL**

*Environmental Archaeology* 11.2 has recently been distributed. If you have paid your 2006 subscription but did not yet receive your copy of 11.2, please contact the Membership Secretary ([membership@envarch.net](mailto:membership@envarch.net)) to check your current membership status.

**Online access for institutional subscribers to 11.1**

*Environmental Archaeology* is now published by Maney Publishing and is available free online as part of your institution's subscription. In order to gain access to the full text online, your librarian must have activated their online subscription via Maney's online service provider, Ingenta Connect at:

<http://www.ingentaconnect.com/register/institutional>.

The process takes about 5 minutes and full instructions are provided at each stage. If your librarian does not have a pass number, this can be obtained from Maney Publishing by emailing [subscriptions@maney.co.uk](mailto:subscriptions@maney.co.uk).

If you have not seen the first issue of this year in your library, please remind your librarian that there has been a change of publisher, and ask them to check that the renewal has been processed through Maney Publishing at [subscriptions@maney.co.uk](mailto:subscriptions@maney.co.uk).

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**SUMMARY OF THE AEA AGM MEETING, 26 SEPTEMBER 2005, UNIVERSITY OF PORTSMOUTH**

At the AEA AGM in Portsmouth, a review of the Committee's activities was presented, along with the Treasurer's report and elections for new Committee members. A summary is presented below:

**CONFERENCES UPDATE:**

**New conference officer:**

Gianna Ayala was appointed Conference Officer, taking over from Nicki Whitehouse, who moved to the position of Membership Secretary. The Committee extended its thanks to Nicki for her work as Conference Officer.

#### **Publications:**

Papers from the 25<sup>th</sup> Anniversary conference held in Bad Buchau in September 2004 were published in *Environmental Archaeology* 11.1. The volume, *Economic and environmental changes during the 4th and 3rd Millennia BC*, was guest-edited by Ralf Baumeister, Sabine Karg, Helmut Schlichtherle, and David Earle Robinson.

#### **Meetings in 2006:**

Thanks are warmly extended to Alan Outram for organising a very successful spring conference, *Novel Environmental Archaeology: Integrating new lines of evidence and rethinking established techniques*, at the University of Exeter in March. The conference attracted around 140 delegates, and there are plans to publish the proceedings of a number of the sessions held at this conference.

The AEA autumn meeting, *Sea changes: environmental archaeology in the marine zone, from coast to continental shelf*, took place at the University of Portsmouth in September. Zoë Hazell and Andy Hammon of English Heritage organised the meeting, and they were thanked for co-ordinating this much-enjoyed event. A review of the Portsmouth meeting appears later in the Newsletter.

An AEA session was held at the European Association of Archaeologists conference at Cracow, Poland in September. The session, "Continuity or Change? Working through Neolithic landscapes", was organised by Nicki Whitehouse and Rick Schulting, Queen's University Belfast. Preparations for the publication of a number of papers in the session is already planned, and the session organisers are to be thanked for taking the initiative in assembling an AEA sessions at large international conferences. A list of papers is provided below and abstracts have been posted onto the AEA website: <http://www.envarch.net/latest/pastevents06.html>

Adrian Balasescu<sup>1</sup>, Thomas Cucchi<sup>2</sup>, Lenka Kovacikova<sup>2,3</sup>, René Kysely<sup>3</sup>, Valentin Radu<sup>1</sup> & Anne Tresset<sup>2</sup> (1 National Museum of Romanian History, Bucarest Romania; 2 UMR 5197 du CNRS, Paris, France; 3 Institute of Archaeology, Academy of Science of the Czech Republic, Praha, Czech Republic) *Of cattle, mice and men: tracing the first domesticates and commensals along the Neolithic danubian routes.*

Alena Lukes (University of Sheffield) *Two peas in a pod? A social perspective on identity, daily life and material culture of the early LBK*

Peter Bogucki (Princeton University, USA): *Working Neolithic Landscapes in the Polish Lowlands*

Nicki Whitehouse<sup>1</sup>, John O'Neill<sup>2</sup> and Gill Plunkett<sup>1</sup> (1 Queen's University Belfast, Northern Ireland and 2 University College Dublin, Republic of Ireland): *Settlement and eco-dynamics in Neolithic and Bronze Age Ireland*

Oliver Harris (Cardiff University, Wales): *Alternative continuities? Challenging change in the Early Neolithic of Dorset*

Henry Chapman and Ben Gearey (University of Birmingham, UK): *Neolithic landscapes in the Humberhead Levels: domestic, ritual and environmental change dynamics.*

John O'Neill (University College, Dublin, Ireland): *Ballygalley, settlement histories and the Irish Neolithic.*

Marlu Kühn, Stefanie Jacomet, Lucia Wick (Basel University) *The role of animal fodder in the subsistence economy of Neolithic lake shore settlements in the Alpine range and its palaeoecological implications*

Lesley McFadyen and Richard Thomas (University of Leicester, UK). *Animals, architectures, and changing human-animal relationships in Neolithic Cotswold-Severn long barrow sites.*

Tony Brown<sup>1</sup>, Phil Allen<sup>1</sup>, Ian Meadows<sup>2</sup> and Karen Deighton<sup>2</sup> (1 University of Exeter UK; 2 Northamptonshire Archaeology, Northamptonshire County Council, UK) *Continuity or Change in the Neolithic Landscape of the Nene Valley, Central England?*

Gabriel Cooney (University College Dublin) *Working stone, linking arenas and actions of Neolithic life*

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#### **JOURNAL UPDATE:**

##### **New editor:**

Ingrid Mainland has now taken over from Glynis Jones as Co-ordinating Editor of *Environmental Archaeology*. Ingrid would particularly like to encourage AEA members to submit research papers, review articles or short contributions on any aspect of environmental archaeology. Full details regarding submission to the Journal can be found on <http://www.maney.co.uk/search?fwaction=show&fwid=671>, or contact Ingrid Mainland for further information (address below).

Dr Ingrid Mainland,  
Co-ordinating Editor of *Environmental Archaeology*,  
Department of Archaeological Sciences,  
University of Bradford, Bradford, BD7 1DP, UK.

Tel: +44 [0]1274 23 3541; Fax: +44 [0]1274 235190  
E-mail: [i.l.mainland@bradford.ac.uk](mailto:i.l.mainland@bradford.ac.uk)

**New publisher:**

Maney Publishing has now taken over publication of *Environmental Archaeology*. The new publishing agreement is the result of the AEA Committee's desire to publish the Journal online. Maney currently has c.60 journals under its imprint, including *Medieval Archaeology*, *Postmedieval Archaeology*, *Industrial Archaeology Review*, *The Antiquaries Journal*, and the *PalestineExploration Quarterly*. For more information about Maney, please visit their website:  
<http://www.maney.co.uk/>.

Maney have facilitated a number of new initiatives, including the re-design of the cover of *Environmental Archaeology*, which members will have seen in issue 11 of the Journal. Maney are also revising the marketing of *Environmental Archaeology* in the hope of further increasing circulation of the Journal.

*Environmental Archaeology* is now available online via IngentaConnect. **Institutional subscription is only £78 and includes online access to the full text.** Please recommend *Environmental Archaeology* to your institution! If your institution already subscribes, please check with your library representative that they are aware of the change of publisher and that the Journal is available online from 2006.

There were questions from the floor concerning online access for individual members. At first, online access will only be available through institutional subscription and only the 2006 issues will be available. The AEA Committee continues to investigate the provision of online access to members over the longer term – it is hoped that we will have more news on this issue soon. Another issue that arose during the AGM related to the AEA Institutional subscription fee. It was suggested that this fee is rather low and should be increased. The Committee will endeavour to re-examine the Institutional subscription fee in the near future.

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**PUBLICITY AND WEBPAGE UPDATE:**

**AEA seminar series:**

The first year of the AEA seminar series, which was set up by Richard Thomas, has now ended. The seminars have been organised in association with a number of academic departments around the UK to provide members with the opportunity to hear the latest research and developments within environmental archaeology. All seminars are free to AEA members and include refreshments. The first seminar took place at the School of Archaeology and Ancient History, University of Leicester, in February 2006, and was attended by 35-40 people. It is hoped to extend meetings more broadly in the future (the second annual seminar series will soon be underway – see programme later in this Newsletter), and AEA members are asked to contact Richard if they are interested in becoming seminar hosts ([rmt12@le.ac.uk](mailto:rmt12@le.ac.uk)).

**New AEA logo:**

Members will have seen the new AEA logo in the August Newsletter. The new logo has been commissioned by the Committee and organised by Richard Thomas. Work is now being carried out to update membership leaflets to include the new logo. A new AEA poster – to be produced by Richard Thomas and John Vallender (English Heritage graphics) will be available in the near future. The Committee thanked Richard Thomas for all of his work.

**Webpage:**

The webpage continues to be maintained by Rob Craigie at the University of Sheffield. 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](mailto:r.craigie@sheffield.ac.uk). Rob Craigie and Richard Thomas are currently exploring the redesign of the website to reflect the new AEA image.

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**NEWSLETTER UPDATE:**

The committee is grateful to Wendy Carruthers and Vanessa Straker for their continuing good work on the Newsletter. Please keep on sending your announcements, news and conference reports to the Newsletter Editors. The series on environmental archaeology worldwide continues, with a recent contribution from Australia. If you would like to contribute to this series, please contact the Newsletter Editors.

James Greig continues to produce a bibliography for AEA members, and the Committee are most grateful to James for this work.

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**EDUCATION OFFICER:**

Richard Thomas has covered this position while Jen Heathcote was on maternity leave. This role, among other things, involves contact with the Higher Education Academy (HEA) to discuss the provision of electronic images/resources for teaching environmental archaeology. Jen is now back from maternity leave and will continue with this aspect of the AEA's work.

## TREASURER'S REPORT:

The accounts for 2005 were presented at the meeting and are published in this Newsletter.

- The Journal remains one issue "behind", as an invoice for *Environmental Archaeology* 10.2 was not received in 2005.
- Book purchases are currently high, especially as a result of the publication of ICAZ conference volumes. Income from sales of these will show predominantly in 2006/07 accounts.
- The administrative costs for members using credit cards are currently borne by the AEA, and these costs continue to rise. This will be reviewed by the Committee during 2006/07.
- The Euro account has started well, and it is expected that more European members will take advantage of it in subsequent years. Initial charges were for a cheque book, a paying-in book and a quarterly fee.

### AEA Accounts

Sterling account	2004	2005
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#### Assets at start of year

Bank - current account	£768.79	£8,822.20
Bank savings account	£3,159.02	£3,209.08
<i>Total assets at start of year</i>	<i>£3,927.81</i>	<i>£12,031.28</i>

#### Income

Subscriptions	£13,370.00	£12,592.25
Books including journal back numbers	£1,788.59	£2,046.67
Interest earned	£50.06	£55.59
Conference - sterling payments	£373.00	
Card transaction credit		£1.36
<i>Income sub-total</i>	<i>£15,581.65</i>	<i>£14,695.87</i>
<b>Initial total assets excluding books in stock</b>	<b>£19,509.46</b>	<b>£26,727.15</b>

#### Expenditure

office stationary	£23.88	
credit card charges	£269.44	£324.18
posters/mailshot	£187.85	
Web page	£616.00	£750
Newsletter	£74.27	£33.04
Journal production and postage (includes backnumbers)	£5,422.60	£8222.95
rejected subs cheques	£20.00	
Committee meeting travel related	£301.14	£509.16
Book purchase	£175.00	£4361.10
CBA and Data Protection		
Grants and conferences	£388.00	
<i>Expenditure subtotal</i>	<i>£7,478.18</i>	<i>£14,200.43</i>

<b>Total assets minus expenditure</b>	<b>£12,031.28</b>	<b>£12,526.72</b>
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#### End of year assets

Bank - current account	£8,822.20	£9,262.05
Bank - savings account	£3,209.08	£3,264.67
<b>Year end assets</b>	<b>£12,031.28</b>	<b>£12,526.72</b>

Euro account:	2005
Income subscriptions	€ 253.20
Income books	€ 59.04
charges	-€ 20.08
<b>Balance</b>	<b>€292.16</b>

Jacqui Huntley, Treasurer; 18<sup>th</sup> April 2006

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## **MEMBERSHIP UPDATE:**

### ***New Membership Secretary:***

Jane Richardson retired from this position during the year, and she has been succeeded by Nicki Whitehouse. The Committee would like to thank Jane for her work in this position over the years. A number of problems relating to delays in communication between the Membership Secretary and AEA members resulted from the changeover. These Issues are now largely resolved, and the Committee would like to thank Nicki Whitehouse for her very hard work in her new role as Membership Secretary.

### ***Methods of payment:***

A number of methods of payment are currently available to members:

- Annual cheque;
- Annual standing order;
- Annual electronic transfer to Euro account;
- Annual visa (overseas members only) – members using this method of payment must confirm payment each year, providing their payment details each time.

Details of these methods of payment are provided above.

### ***Membership figures:***

There are currently around 300 fully paid-up members of the AEA. Many non-payers are still, however, on the database. Nicki Whitehouse is working hard on resolving this issue.

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### ***Upcoming events in 2007: (see below in the section on conferences for more details)***

The AEA spring meeting will take place on Saturday 17<sup>th</sup> February 2007 at University College Cork. The meeting is being organised by Meriel McClatchie and Mick Monk, and the theme is ***Environmental archaeology in Ireland: new perspectives and recent research***.

The conference programme is now full, but offers of posters, to be presented in an A1 format, are welcome. Poster titles and abstracts (approx. 150 words) should be sent to the conference organisers by 19<sup>th</sup> January 2007. **Participants are reminded that they must register by 19<sup>th</sup> January 2007.** Further details and registration forms will soon be available at the conference website.

The AEA 2007 annual conference will be held in Poland, 12-15<sup>th</sup> September 2007 with the theme ***Eurasian Perspectives on Environmental Archaeology***. The conference organisers are Mirek Makohonienko (Adam Mickiewicz University of Poznań, Poland), Mayke Wagner (Deutsches Archaeologisches Institute, Eurasien Abteilung, Berlin) and Pavel Tarasiv (Alfred Wegener, Institute for Polar and Marine Research in Potsdam). Further details will soon be available.

### ***Upcoming events in 2008:***

The AEA spring 2008 meeting will take place at the University of Cardiff, and the meeting will be organised by Jacqui Mulville.

The Committee is pleased to announce that it has recently received an offer to host the AEA autumn 2008 annual conference – more details will be announced following discussion of the offer by the Committee.

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## **CHANGE TO THE AEA CONSTITUTION:**

In order to add the manager of the JISC-mail list to the list of members that can be co-opted onto the Committee, the Committee proposed the following change:

“13. The Managing Committee may co-opt up to six members who may serve as membership secretary, a representative of the journal editorship, ~~and~~ a representative of the editorship of the Newsletter ***and a manager of the JISC-mail list*** until such time as they resign or are replaced by the Managing Committee. The Committee will review co-opted members annually, normally at the AGM or the first meeting after.”

A vote was taken, and this change was passed at the meeting.

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## **ELECTION OF NEW COMMITTEE MEMBERS:**

### ***Elections and co-options***

Biographies of the nominated candidates were provided in the August Newsletter and in a subsequent email to members. Andy Hammon, Ralph Fyfe and Amy Bogaard were elected as Ordinary Committee members. Anna

Mukherjee was also co-opted to the Committee to fill the vacant position (remaining term: one year) resulting from the early departure of Jane Richardson.

No nominations were received for the position of Treasurer. The Committee has decided to co-opt Jacqui Huntley as Treasurer, who continues in the post. The Committee also co-opted Nicki Whitehouse as Membership Secretary so that she can continue her work in this position for one more year. The Committee would like to thank Jacqui and Nicki for agreeing to remain in the AEA Committee.

**The new committee structure (<http://www.envarch.net/aea/committee.html>) is as follows:**

***ELECTED COMMITTEE MEMBERS (elected term in [ ])***

Gianna Ayala (Sheffield) – Conference Officer [2005-2009]  
 Amy Bogaard (Nottingham) – [2006-2010]  
 Ralph Fyfe (Plymouth) – [2006-2010]  
 Andy Hammon (English Heritage) – [2006-2010]  
 Jen Heathcote (EH, Cambridge) – [2005-2009]  
 Ingrid Mainland (Bradford) – Co-ordinating Editor of the Journal [2004-2008]  
 Mirosław Makohonienko (Adam Mickiewicz University, Poznań) – [2005-2008]  
 Meriel McClatchie (Cork) – Secretary [2005-2009]  
 Peter Hambro Mikkelsen (Moesgård Museum, Højbjerg) – [2005-2009]  
 Alan Outram (Exeter) – [2003-2007]  
 David Earle Robinson (CfA, Portsmouth) – Chair [2003-2007]  
 Richard Thomas (Leicester) – Publicity Officer [2004-2008]

***CO-OPTED COMMITTEE MEMBERS***

Wendy Carruthers (Llantrisant, Wales) – Co-editor of the Newsletter  
 Paul Davies (Bath Spa) – JISC-mail Manager  
 Jacqui Huntley (Durham) – Treasurer  
 Anna Mukherjee (University of Bristol) – Ordinary member  
 Vanessa Straker (English Heritage, Bristol) – Co-editor of the Newsletter  
 Nicki Whitehouse (Belfast) – Membership Secretary

Thanks were extended to retiring Ordinary Committee member Roel Lauwerier for his contribution to the AEA.

## CONFERENCES & MEETINGS

### AEA SEMINAR SERIES 2006

Date	Speaker	Title	Location	Time
7 November	Dr Glynis Jones (University of Sheffield)	DNA, Weeds and the Domestication of Europe	Department of Archaeological Sciences, University of Bradford	5.15pm
15 November	Dr Richard Jones (University of Leicester)	Defining spaces: manure, open fields, and medieval rural society	Department of Archaeology, University of Nottingham	4.30pm
22 November	Dr Naomi Sykes (University of Nottingham)	Animals bones and Identity: the Zooarchaeology of the Norman Conquest	School of Archaeology and Ancient History, University of Leicester	4pm
29 November	Professor Ian Simpson (Stirling University)	Rangeland grazing management and land degradation in North Atlantic "landscapes of settlement"	Department of Archaeology University of Glasgow	4pm
6 December	Dr Nicki Whitehouse (Queens University Belfast)	Paradise lost? Human-natural-environment relationships in Mesolithic and Neolithic Ireland and Britain	Institute of Archaeology and Antiquity, University of Birmingham (and available through Access Grid technology)	5.15pm

All seminars are free to members of the Association for Environmental Archaeology. For membership information please check the AEA website: <http://www.envarch.net>. For further information regarding specific events please contact the AEA Publicity Officer (rmt12@le.ac.uk).

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## AEA CONFERENCE UPDATE

### One-day Spring Meeting, Saturday, 17th February 2007, University College Cork, Republic of Ireland

#### *Environmental Archaeology in Ireland: new perspectives and recent research*

The programme for the AEA spring one-day meeting in Cork is now full, but we are still accepting offers of posters (to be presented in A1 format). The meeting is being organised by Meriel McClatchie and Mick Monk. Poster titles and abstracts (approx. 150 words) should be sent to the conference organisers by 19<sup>th</sup> January 2007.

It is hoped that the meeting website will go online in the next couple of weeks. The website will include information on papers and posters being presented, as well as details of how to get to Cork and other related information. An email will be sent to members in the near future to advise them of the website address.

A registration form for the one-day meeting is included at the end of this Newsletter. **The deadline for registration is 19th January 2007.**

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### 2007 AEA conference in Poland, 12-15 September 2007

#### *Eurasian Perspectives on Environmental Archaeology*

The Association for Environmental Archaeology in Poland (Stowarzyszenie Archeologii Srodowiskowej SAS) along with Deutsches Archaeologisches Institute, Eurasien Abteilung in Berlin, Institute for Polar and Marine Research in Potsdam and International Research Center For Japanese Studies in Kyoto, Japan, are organizing a two-day symposium "Eurasian Perspectives on Environmental Archaeology". This AEA symposium, held for the first time in Eastern Europe, is intended to provide a forum for discussion on recent research in Environmental Archaeology in the broad context of temperate areas of Eurasia. We are kindly inviting for presentations and discussions palaeoenvironmentalists and archaeologists working in Western and Eastern Europe, and northern Asia as areas of former Soviet Union, China or Japan.

The symposium will be followed by two-day excursion in Wielkopolska (Great Poland), an area of great importance in the formation of the early medieval Polish State, during the 10<sup>th</sup> century AD, in the western Slav territory. The main Slavic sites in Poznan, Ostrow Lednicki, Gniezno and Kaldus will be presented. We will visit also Biskupin - a fortified settlement from the turn of the Bronze Age and the Early Iron Age, one of the best known archaeological reserves in Central Europe. At the archaeological sites the issues of environmental studies will be discussed.

The official conference language is English. Full details on the conference will be provided soon on the AEA Web Site.

Contact address: Miroslaw Makohonienko, Adam Mickiewicz Univeristy of Poznan, Institute of Palaeogeography and Geocology, Dziegielowa 27, 61-680 Poznan, Poland. E-mail: [makoho@amu.edu.pl](mailto:makoho@amu.edu.pl)

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## Conferences in 2008

**The AEA spring 2008** meeting will take place at the University of Cardiff. Many thanks go to Jacqui Mulville for offering to host the day meeting. Further details will be made available in the future.

**The AEA annual symposium 2008** will take place at Arhus in Denmark. Many thanks to Peter Hambro Mikkelsen for offering to host this meeting. Further details will be made available in the future.

Gianna Ayala

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## TRAG / RAC CONFERENCE

The seventeenth annual Theoretical Roman Archaeology Conference in conjunction with the seventh Roman Archaeology Conference will be hosted by **UCL and Birkbeck College, University of London from the 29th March to the 1st April 2007.**

As part of this conference there will be a workshop session that might be of interest to AEA members entitled:



***Food for thought: Economics, natural resources and the Roman military organisation.***

The Roman military organisation required a lot of natural resources: timber, traction, textiles, food. How were these produced and procured? How did methods vary according to circumstances (aggressive invasions, long term occupation, special events & luxuries...)? The first part of this workshop will introduce (very briefly!) a range of different economic theories and hypotheses which are relevant to all resources, whether organic or inorganic. It will then debate how these might be tested archaeologically for natural resources, and how we need to recover, record and analyse our data. Natural resources (plants, animals and their products) provide a particular challenge because their biodegradable nature has major implications both for their original production and procurement (what seasons were they available? how long could they be stored? how far could they be transported?) and also for how they might survive in the archaeological record. Speakers will be invited to present theories, issues and case studies, and to lead group discussions that will then report back to the whole session. The aim is to stimulate debate and to encourage explicit hypothesis testing in preference to routine analysis and interpretation.

If you are interested in participating, please contact the coordinator: Sue Stallibrass, English Heritage & University of Liverpool ( [Sue.Stallibrass@liv.ac.uk](mailto:Sue.Stallibrass@liv.ac.uk))

Department of Archaeology  
University of Liverpool  
Hartley Building, Brownlow Street  
LIVERPOOL  
L69 3GS

Tel: 0151 794 5046

The homepage of the Theoretical Roman Archaeology Conference (TRAC) and the Roman Archaeology Conference (RAC) (which run concurrently at the same venue) is <http://www.ucl.ac.uk/RAC/index.htm>

**There will also be a session that might be of interest to ZOOARCH members entitled:**

***Feeding the Roman army: the archaeology of supply chains and provisioning networks.***

This session seeks to bring together a growing body of new archaeological evidence in an attempt to reconsider the way in which the Roman army was provisioned. Clearly, the adequate supply of food was essential to the success of the Roman military. But was the nature of those supply networks? Did the army rely on imperial supply lines from the continent, as certainly appears to be the case for some commodities, or were provisions requisitioned from local agricultural communities. If the latter was the case, was unsustainable pressure placed on such resources and how did local communities respond? Alternatively, did the early stages of conquest include not only the development of a military infrastructure, but also an effective supply-chain network based on contracts? Beyond the initial stages of conquest, how were provisioning arrangements maintained in the longer term, did supply chains remain static or did they change over time and, if so, what precipitated those changes? Addressing such questions is critical if we are to understand the nature of Roman conquest and the extent of interaction between indigenous communities and the Roman army.

If you are interested in participating in this session please get in touch with;

Dr. Richard Thomas,  
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## CONFERENCE REPORTS

**Sea Changes: Environmental Archaeology in the Marine Zone, from the Coast to the Continental Shelf. AEA One-Day Meeting, University of Portsmouth, Tuesday 26<sup>th</sup> September 2006.**

This conference was organised – excellently – by Drs Zoe Hazell and Andy Hammon of English Heritage's Archaeological Sciences Section in Portsmouth. Its theme was also English Heritage inspired, being prompted by an important change to the organisation's remit in 2002 when it took on responsibility for maritime archaeology in England's coastal waters.

As a consequence, participants could perhaps have expected a day of Anglo-centric presentations focussing primarily on English Heritage agendas, but this was far from the case. True, projects sponsored by English Heritage, and by the UK Aggregates Levy Sustainability Fund which the organisation administers, were clearly in evidence and also surfaced regularly in the discussions, but the 13 lectures and the posters which were presented achieved a much greater overall breadth and diversity. Geographically, most of the speakers (and the audience) were UK-based, with Ireland, Norway and Australia also represented. In terms of subject matter, coverage was considerably broader with most contributions having clear links to, and relevance for, marine situations over most of Northwest Europe and, in several cases, far beyond. Almost every aspect of “traditional” environmental archaeology was touched upon and new contacts with related disciplines were also much in evidence. We are definitely seeing a broadening of the term ‘Environmental Archaeology’.

Approaches varied greatly too – from Greg Campbell’s elegant analysis and interpretation of marine mollusc assemblages on the Atlantic coast of France, Alex Pluskowski’s assessment of environmental resources around medieval Venice, and specific techniques for survey, analysis and *in situ* preservation (Ruth Plets *et al.*, Anne Hufthammer *et al.* and Mark Staniforth) through Simon Mays’ practical guidance on the legal and ethical aspects of human remains in the marine environment and invaluable overviews such as Zoe Hazell’s assessment of Offshore Peat Resources and Cluny Johnstone’s exploration of the Origins of Sea Fishing, to the broad-brush assessments and modelling of the potential of submerged landscapes by Virginia Dellino-Musgrave, Ingrid Ward and Piers Larcombe.

Throughout the day, the word “potential” cropped up time and time again, even with reference to the Mary Rose – that great benchmark of maritime archaeology. Here, Frank Green and Sheila Hamilton-Dyer demonstrated admirably the extent of the resources still waiting to be tapped from this great find. Realisation of this submerged archaeological potential relies to a great extent on forging links between terrestrial, coastal (inter-tidal) and marine environments, as graphically illustrated by Fraser Sturt, Scott Timpany, Martin Bell and Peter Murphy. Comparing, contrasting and assessing value: how does the archaeology of these environments fit together? Where, from an archaeological and an environmental archaeological point of view, should efforts and resources be applied? When and how is collaboration fruitful?

This was a very useful day, which almost certainly raised more questions than it answered. Thanks are due to the organisers for assembling an excellent programme and for ensuring a very smooth-running, informative and enjoyable conference.

On the day after the conference, an excursion had been organised to Chichester Harbour, a huge area of tidal channels and creeks on the South Coast which has been designated an area of outstanding natural beauty. Here, a small but enthusiastic group of conference-goers met the staff of the Chichester Harbour Conservancy (<http://www.conservancy.co.uk>) over a sandwich lunch and were introduced to the organisation’s many activities. After lunch we were given a very different view of the harbour, its wildlife and cultural history from the moving platform of the Conservancy’s own solar-powered boat – a marvellous way to spend the day and to put many aspects of the previous day’s lectures into perspective. Many thanks to the conference organisers and to the staff of the Chichester Harbour Conservancy for a very enjoyable, informative and memorable day.

#### **Lectures presented at the meeting:**

(Abstracts will be posted onto the AEA website: <http://www.envarch.net/latest/pastevents06.html>)

Martin Bell (University of Reading, UK): ‘*Changing coastal environments in Mesolithic Wales and Western Britain*’

Greg Campbell (Freelance, UK): ‘*Beyond means to meaning: using distributions of shell shapes to reconstruct past collecting strategies*’

Virginia Dellino-Musgrave (English Heritage, UK): ‘*Going beyond shipwrecks: marine aggregate dredging and submerged prehistoric landscapes*’

Frank Green (Test Valley Borough Council, UK): ‘*Plants: foods and packaging on the Mary Rose*’

Sheila Hamilton-Dyer (Freelance, UK): ‘*The Mary Rose 20 Years On: The animal bones*’

Zoë Hazell (English Heritage, UK): ‘*Offshore peat deposits: a resource assessment*’

Cluny Johnstone (University of York, UK): ‘*Exploring the origins of intensive sea fishing in Britain*’

Simon Mays (English Heritage, UK): ‘*Human remains in maritime archaeology: an overview*’

Peter Murphy (English Heritage, UK): ‘*Something rich and strange? Some puzzles and some inconsistencies between the maritime and terrestrial archaeological record*’

Aleks Pluskowski (University of Cambridge, UK): ‘*Exploiting aquatic environments around medieval Venice: the state of knowledge and directions for future research*’

Mark Staniforth (Flinders University, Australia): ‘*In situ site stabilization for historic period wooden shipwrecks: the William Salthouse case study*’

Fraser Sturt (University of Southampton, UK): ‘*Modelling submergence*’

Ingrid Ward (English Heritage, UK) and Piers Larcombe (Cefas, UK): ‘*A geomorphological approach to archaeological prospecting in the southern North Sea: case studies of the Dogger Bank, Brown Bank and the Norfolk Bank*’

### Posters presented at the meeting:

Anne Hufthammer, H.I. Høie, C.A. Dahl, A. Folkvord, A. Geffen, L. Jaksland and U.S. Ninnemann (University of Bergen, Bergen Museum, Norway): *'Mesolithic seasonal sea temperatures revealed from stable isotope analysis of cod otoliths'*

Ruth Plets, J. Dix, J. Adams and A. Best (University of Southampton, UK): *'3D High resolution acoustic imagery: implications for site management'*

Scott Timpany (Headland Archaeology, Republic of Ireland): *'Palaeoenvironmental assessment of a wetland site, Newrath, Waterford'*

David Earle Robinson

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### Report on AEA sponsored conference session at the European Association of Archaeologists annual meeting, Krakow, Poland, September 2006.

In an attempt to foster closer working relationships and dialogue between cultural and environmental archaeologists at a European level, Drs Nicki Whitehouse (Queen's University Belfast), Rick Schulting (University of Oxford) and John O'Neill (University College Dublin) organised a full day session at the EAA annual meeting in Krakow, Poland, entitled *'Continuity or Change? Working through Neolithic Landscapes'*. The aim of this session was to consider the nature of early Neolithic settlement and economy, particularly the transition from hunter gathering to domestication. In total, eleven papers were presented by academics based within the UK, Ireland, mainland Europe and North America highlighting research utilising a combination of approaches to this theme, from the science-based landscape and environmental (familiar to members of the AEA) to more post-processual perspectives. A number of papers demonstrated how advancements in science-based methods, for example, in the field of genetic finger-printing, can help unravel patterns in faunal assemblages and it is clear that we live in exciting times if the diverse strands of archaeology can find a common language of discussion. A major theme throughout the session was that Neolithic activities can only be understood by moving away from the analysis of discrete sites, to consideration of patterns within entire landscapes. To the first Neolithic settlers, it was argued that Polish Neolithic landscapes was frontiers in all sorts of ways; clearly, we need to understand how people viewed these landscapes and the barriers they created to everyday activities, perhaps even from the angle of gender. Other speakers argued that some of the best archaeological evidence for this time period may still to be uncovered, coming from wetland landscapes, which until recently have been considered by the majority of archaeologists as marginal to Neolithic activity. The capture and analysis of ever-larger datasets has necessitated the development of new approaches to information management and the role of Geographical Information Systems in fulfilling this need was amply demonstrated. Indirectly, the use of computational power for spatial analysis and interrogation of geo-referenced datasets also offers exciting opportunities for analysing human behaviour through modelling (with environmentalists helping to define the rules that determine individual behaviour within any model); it also offers the possibility of three-dimensional visualization of environments and phenomenological approaches using the latest immersive technologies (e.g. Amira software coupled with a Fakespace Powerwall).

In conclusion this session was a great success and attracted a large, archaeologically diverse audience. As environmental archaeologists, we have a great deal to offer towards the advancement of debates concerning the Neolithic, especially since there is a continued need to communicate developments within science-based archaeology to the wider archaeological community.

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### AEA BIBLIOGRAPHY

*We are very grateful to James Greig for sending us the following information. James writes: "Many thanks to Ian Baxter, Otto Brinkkemper, René Cappers, Simon Davis, Andrew Fairbairn, Dale Serjeantson and Pat Wiltshire for references. Please send information to jimie.greig@virgin.net"*

#### BOOKS

O. Brinkkemper, J. Deeben, J.V. Doesburg, et al. (2006) *Vakken in vlakken; archeologische kennis in lagen* [studies on the levels; archaeological knowledge in layers], 13 papers in Dutch, 1 in English]. (Nederlandse Archeologische Rapporten, 32) ROB, Amersfoort, 306 pp.

R.T.J. Cappers (2006) *Roman foodplants at Berenike. Archaeobotanical evidence of trade and subsistence in the Eastern Desert of Egypt*. Cotson Institute of Archaeology (Monograph, 55), UCLA, Los Angeles

R.T.J. Cappers, R.M. Bekker and J.E.A. Jans (2006) *Digital seed atlas of the Netherlands*. (Groningen Archaeological Studies, 3) Barkhuis, Groningen, 502 pp.

S. Davis (2006) *Faunal remains from Alcacova de Santarem, Portugal*. Instituto de Arqueologia, Lisbon

D. Serjeantson and D. Field (2006) *Animals in the Neolithic of Britain and Europe*. (Neolithic Studies Group Seminar Papers, 7) Oxbow, Oxford

C.M. Woolgar, D. Serjeantson and T. Waldron (2006) *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford, 280 pp.

## CHAPTERS

U. Albarella (2005) Alternate fortunes? The role of domestic ducks and geese from Roman to Medieval times in Britain. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish*. (Documentae Archaeobiologicae 3), pp. 249-258.

U. Albarella (2006a) Animals in the Neolithic: a research agenda? No thanks. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 168-178.

U. Albarella (2006b) Pigs. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 72-87.

C.C. Bakels and W. Kuiper (2006) De Romeinse loskade van Cuijk, botanisch gezien [The Roman quay at Cuijk, botanical results, in Dutch, English summary]. In O. Brinkkemper et al. (eds.), *Vakken in Vlakken, archeologische kennis in lagen*. (Nederlandse Archeologische Rapporten 32) ROB, Amersfoort pp. 7-19.

J. Baldwin (2005) Seabirds, subsistence and coastal communities: an overview of cultural traditions in the British Isles. In J. Randall (ed.), *Traditions of seabird fowling in the North Atlantic region*. The Islands Book Trust, Stornoway pp. 12-36.

L. Bartosiewicz (2005) Crane: food, pet and symbol. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 259-270.

I.L. Baxter (2006) A dwarf hound skeleton from a Romano-British grave at York Road, Leicester, England. In L. M. Snyder and E. A. Moore (eds.), *Dogs and people in social, working, economic or symbolic interaction*. (Proceedings of the 9th Congress of the International Council for Archaeozoology ) Oxbow, Oxford pp. 12-23.

C. Becker (2005) Birds, mice and slaughter refuse from an Islamic mosque in Syria - a puzzling mixture at a peculiar location. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documentae Archaeobiologicae 3), pp. 272-280.

J. Birrell (2006) Procuring, preparing and serving venison in late medieval England. In D. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 176-188.

Z.M. Bochénski (2005) Owls, diurnal raptors and humans: signals on avian bones. In T. O'Connor (ed.), *Biosphere to lithosphere*. Oxbow, Oxford pp. 31-45.

Z. Bochénski and K.E. Campbell (2005) The identification of turkey remains to species - a metrical approach. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documentae Archaeobiologicae 3), pp. 19-26.

J. Bourdillon (2006) Animal bone. In P. Williams and R. Newman (eds.), *Market Lavington, Wiltshire: an Anglo-Saxon cemetery and settlement; excavations at Grove Farm, 1986-1990*. (Wessex Archaeology Report 19) Wessex Archaeology, Salisbury pp. 150-169.

K.V. Boyle (2006) Neolithic wild animals in western Europe: the question of hunting. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 10-23.

H.D. Bratrein (2005) Sea-bird fowling in northern Norway. In J. Randall (ed.), *Traditions of seabird fowling in the North Atlantic region*. The Islands Book Trust, Stornoway pp. 181-193.

O. Brinkkemper (2006) Wetlands en menselijke bestaanmogelijkheden in de late prehistorie [Wetlands and the possibilities of human existence in late prehistory, in Dutch, English summary]. In O. Brinkkemper (ed.), *Vakken in Vlakken*. (Nederlandse Archeologische Rapporten 32) ROB, Amersfoort pp. 21-40.

R.T.J. Cappers (2003) Exotic imports of the Roman Empire; an exploratory study of potential vegetal products from Asia. In K. Neumann, A. Butler and S. Kahlheber (eds.), *Food, fuel and fields. Progress in African Archaeobotany*. Heinrich-Barth Institut, Köln pp. 197-206.

I. Cartajena and L. Nuñez (2005) Die Vogelnutzung während des frühen Arkäikums in der westlichen Puna de Atacama (Nordchile) [The use of birds in the early archaic period in western Puna de Atacama, northern Chile]. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), p. 97.

- M.S. Chun (2005) Ung Kol Pang, a 14th century Korean treatise on falconry. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 287-294.
- K.M. Clark (2006) Dogs and wolves in the Neolithic of Britain. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 32-41.
- M.E. Corona (2005) Archaeozoology and the role of birds in the traditional medicine of pre-hispanic Mexico. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 295-302.
- J. Cotton, N. Elsdén, et al. (2006) Taming the wild: a Final Neolithic/earlier Bronze Age aurochs deposit from West London. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 149-167.
- S. Davis (2003) The zoo-archaeology of Khirokitia (Neolithic Cyprus), including a view from the mainland. In J. Guilane and A. Le Brun (eds.), *Le Néolithique de Chypre*. (Bulletin de Correspondance Hellénique Supplément 43) Ecole française d'Athènes, Athens pp. 253-268.
- S. Davis (2006) Agricultural improvements in Gharb al-Aldaluz - zoo-archaeological evidence from the sheep bones. In N. F. Bicho (ed.), *Animais na Pré-história e Arqueologia da Península Ibérica*; Acta do IV congresso de arqueologia peninsular. (Promontoria Monográfica 03), pp. 219-239.
- M. Dineley (2006) The use of spent grain as cattle feed in the Neolithic. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 56-62.
- A.von den Driesch (2005) Würmzeitliche Avifauna aus der Sesselfelsgrötte, Altmühlal [Würm period bird fauna from Sesselfelsgrötte, Altmühlal]. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 27-42.
- C.C. Dyer (2006a) Gardens and garden produce. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 27-40.
- C.C. Dyer (2006b) Seasonal patterns of food consumption in the later middle ages. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 201-214.
- M. Eda, H. Koike, et al. (2005) Why were so many albatross remains found in northern Japan? In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), p. 131.
- A. Fairbairn, E. Asouti, N. Rissall, et al. (2006) Seasonality. In I. Hodder (ed.), *Çatalhöyük perspectives: themes from the 1995-9 seasons*. McDonald Institute/British Institute, Cambridge/Ankara pp. 93-108.
- D. Field (2006) William Cunnington and his butcher. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 1-9.
- E. Gál (2005) New evidence of fowling and poultry keeping in Pannonia. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 303-318.
- M. Gala, J.P. Raynal, et al. (2005) Bird remains from the Mousterian levels of Baume-Vallée (Haute Loire, France): preliminary results. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), p. 141.
- L. Garcia Petit (2005) Recent studies on prehistoric and medieval bird bone remains from Catalonia and southeastern France. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), p. 147.
- B.V. Geel, N.A. Bokovenko, N.D. Burova, et al. (2006) Een plotselinge zon-gestuurde klimaatverandering omstreek 850 jaar voor Chr. als oorzaak van de expansie van de Scythen? [A sudden climatic change caused by the sun around 850 B.C. as the cause of the expansion of the Scythians] In O. Brinkkemper (ed.), *Vakken in vlakken*. (Nederlandse Archeologische Rapporten 32) ROB, Amersfoort pp. 105-115.
- G. Grupe and A.M. Mekota (2005) Stable isotope analysis of archaeological avian bones. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 57-67.
- K. Hänninen and H.V. Haaster (2002) Archeobotanie. In B.F.L.M. Meijlink and P. Kranendonk (eds.), *Archeologie in de Betuweroute. Boeren, erven, graven. De Boerengemeenschap van De Bogen bij Meteren (2450-1250 v Chr)* [Archaeology of the Betuwe route. Farmers, farmyards, graves. The farming community of De Bogen near Meteren, 2450-1250 B.C.]. (Rapportage Archeologische Monumentenzorg 87) ROB, Amersfoort pp. 689-752.



- P. Halstead (2006) Sheep in the garden: the integration of crop and livestock husbandry in early farming regimes of Greece and southern Europe. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 42-55.
- B.F. Harvey (2006) Monastic pittance in the middle ages. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxbow, Oxford pp. 215-227.
- M. Hochmuth and N. Benecke (2005) Cocks and song birds for Isis Panthea and Mater Magna: the bird remains from the sanctuary in Mogonticum/Mainz. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologica 3), pp. 319-328.
- V. Isaakidou (2006) Ploughing with cows: Knossos and the "secondary products revolution". In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 95-112.
- S. Jacomet and C. Brombacher (2005) Reconstructing intra-site patterns in Neolithic lakeshore settlements: the state of archaeobotanical research and future projects. In P. Della Casa and M. Trachsel (eds.), *Wetland economies and societies*. (Collectio Archaeologica 10), Zürich pp. 69-94.
- H. Kenward and A. Hall (2006) Easily-decayed organic remains in urban archaeological deposits; value, threats, research directions and conservation. In O. Brinkkemper (ed.), *Vakken in vlakken*. (Nederlandse Archeologische Rapporten 32) ROB, Amersfoort pp. 183-198.
- V. Laroulandie (2005) Anthropogenic versus non-anthropogenic bird bone assemblages: new criteria for their distinction. In T. O'Conner (ed.), *Biosphere to lithosphere*. Oxbow, Oxford pp. 25-30.
- A. Locker (2005) The animal bone. In M. Biddle (ed.), *Nonsuch Palace. The material culture of a noble household*. Oxbow, Oxford pp. 439-474.
- J. Love (2005) Seabird resources and fowling in Scotland. In J. Randall (ed.), *Traditions of seabird fowling in the North Atlantic region*. The Islands Book Trust, Stornoway pp. 54-77.
- P. Lysaght (2005) Towering cliff and grassy slope - cultural traditions of sea-bird fowling in Ireland. In J. Randall (ed.), *Traditions of seabird fowling in the North Atlantic region*. The Islands Book Trust, Stornoway pp. 78-113.
- K. Manermaa and L. Lougas (2005) Birds in the subsistence and culture in four major Baltic Sea islands during the Neolithic. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*, pp. 179-199.
- A. Marciniak (2005) Social changes in the early European Neolithic: a taphonomy perspective. In T. O'Connor (ed.), *Biosphere to lithosphere*. Oxbow, Oxford pp. 146-154.
- P. Martinez-Lira, E. Corona-Martinez, J. Arroyo-Cabrales, et al. (2005) Bird bundles from La Playa, Sonora, Mexico. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), p. 201.
- R. McGovern-Wilson (2005) Feathers flying in paradise: the taking of birds for their feathers in prehistoric Polynesia. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologica 3), pp. 207-222.
- P. Miracle (2006) Neolithic shepherds and their herds [*sic*] in the northern Adriatic basin. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 63-94.
- L. Moffett (2006) The archaeology of medieval plant foods. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 41-55.
- M. Moreno-Garcia, C. Pimenta and M. Gros (2005) Musical vultures in the Iberian Peninsula: sounds through their wings. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 329-348.
- G. Muldner and M.P. Richards (2006) Diet in medieval England: the evidence from stable isotopes. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 228-238.
- J. Mulville and B. Levitan (2006) Animal bones. In G. Lambrick and T. Allen (eds.), *Gravelly Guy: excavations at Stanton Harcourt*. Oxford Archaeology, Oxford .
- J. Peters, A. von den Driesch, N. Pollath, et al. (2005) Birds in the megalithic art of Pre-pottery Neolithic Gobekli Tepe, southeast Turkey. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 223-234.
- P. Pétrequin, M. Magny and M. Bailly (2005) Habitat lacustre, densité de population et climat. L'exemple du Jura français [Lake habitat, population density and climate, the example of the French Jura, in French]. In P. Della Casa and M. Trachsel (eds.), *Wetland economies and societies*. (Collectio Archaeologica 10), Zürich pp. 143-168.

- P. Pokorný (2005) The effect of local human-impact histories on the development of Holocene vegetation, case studies from central Bohemia. In M. Gojda (ed.), *Ancient landscape, settlement dynamics and non-destructive archaeology, Czech Research Project 1997-2002*. Academia, Praha pp. 171-185.
- J. Pollard (2006) A community of beings: animals and people in the Neolithic of southern Britain. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 135-148.
- W. Prummel (2005) The avifauna of the Hellenistic town of New Halos, Thessaly, Greece. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 350-360.
- J. Randall (2005) Introduction. In J. Randall (ed.), *Traditions of seabird fowling in the North Atlantic region*. The Islands Book Trust, Stornoway pp. 181-193.
- G.D. Roller (2002) Archeobotanie. In J. Milojkovic and E. Smits (eds.), *Archeologie in de Betuweroute. Lage Blok, een nederzettingsterrein uit de midden-ijzertijd bij Meteren (gemeente Geldermalsen)*. (Rapportage Archeologische Monumentenzorg 90) ROB, Amersfoort pp. 179-227.
- G.D. Roller, G. Korf and E. Mook-Kamps (2002) Archeobotanie. In J. Schoneveld and P. Kranendonk (eds.), *Archeologie in de Betuweroute. Drie erven uit de midden-bronstijd bij Lienden*. (Rapportage Archeologische Monumentenzorg 89) ROB, Amersfoort pp. 165-189.
- P. Schofield (2006) Medieval diet and demography. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 239-253.
- D. Serjeantson (2005) Archaeological records of a gadfly petrel *Pterodroma* sp. from Scotland in the first millennium A.D. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 235-246.
- D. Serjeantson (2006a) Animal bones. In C. Evans (ed.), *Marshland communities and cultural landscape: the Haddenham project* (vol 2). McDonald Institute, Cambridge pp. xx-yy.
- D. Serjeantson (2006b) Birds as food and markers of status. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 131-147.
- D. Serjeantson (2006c) Food or feast at Neolithic Runnymede. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 113-134.
- D. Serjeantson, V. Smithson, et al. (2005) Animal husbandry and the environmental context. In A. Ritchie (ed.), *Kilellan Farm, Ardnave, Islay: excavations of a prehistoric to early medieval site, by Colin Burgess and others, 1954-1976*. Society of Antiquaries of Scotland, Edinburgh pp. 151-167.
- D. Serjeantson and C.M. Woolgar (2006) Fish consumption in medieval England. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 102-130.
- D.G.V. Smeerdijk (2001) De Gouw, campagne 1989: archeobotanische onderzoek van een aantal neolithische nederzettingen van de Kop van Noord-Holland [De Gouw 1989, archaeobotanical study of a number of Neolithic settlements in Noord Holland]. In R. M. Van Heeringen and E. M. Theunissen (eds.), *Kwaliteitsbepalend onderzoek ten behoeve van duurzaam behoud van neolithischen terreinen in West-Friesland en de Kop van Noord-Holland*. (Nederlandse Archeologische Rapporten 21) ROB, Amersfoort pp. 213-222.
- P. Smith and D. Serjeantson (2006) Animal bone. In A. Fitzpatrick and A. Powell (eds.), *A27 Westhampnett bypass, West Sussex 1992*. (Wessex Archaeology 1) Wessex Archaeology, Salisbury pp. 220-225.
- J.R. Stewart (2005) The use of modern geographical ranges in the identification of archaeological bird remains. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 43-54.
- D.J. Stone (2006) The consumption of field crops in medieval England. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 11-26.
- N.J. Stone (2006) The consumption and supply of birds in late medieval England. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 148-161.
- V. Straker (2006) Charred, mineral and waterlogged plant macrofossils. In P. Williams and R. Newman (eds.), *Market Lavington, Wiltshire: an Anglo-Saxon cemetery and settlement; excavations at Grove Farm, 1986-1990*. (Wessex Archaeology Report 19) Wessex Archaeology, Salisbury pp. 137-149.
- N. Strott (2005) Histomorphometric examination of different poultry species. In G. Grupe and J. Peters (eds.), *Feathers, grit and symbolish: birds and humans in the ancient, old and new worlds*. (Documenta Archaeobiologicae 3), pp. 83-94.
- N.J. Sykes (2006a) From *cu* and *skeap* to *beffe* and *motton*: the management, distribution and consumption of sheep and cattle AD 410-1550. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 56-71.

- N.J. Sykes (2006b) The impact of the Normans on hunting practices in England. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 162-175.
- T. Waldron (2006) Nutrition and the skeleton. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 254-266.
- P. Wiltshire (2006) Palynological analysis of the palaeochannel sediments. In P. Williams and R. Newman (eds.), *Market Lavington, Wiltshire: an Anglo-Saxon cemetery and settlement. Excavations at Grove Farm, 1986-1990*. (Wessex Archaeology Report 19) Wessex Archaeology, Salisbury pp. 121-137.
- P. Wiltshire and A. Bayliss (2006) The Easterton Brook palaeochannel. In P. Williams and R. Newman (eds.), *Market Lavington, Wiltshire: an Anglo-Saxon cemetery and settlement. Excavations at Grove Farm, 1986-1990*. (Wessex Archaeology Report 19) Wessex Archaeology, Salisbury pp. 118-121.
- C.M. Woolgar (2006a) Group diets in late medieval England. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 191-200.
- C.M. Woolgar (2006b) Meat and dairy products in late medieval England. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 88-101.
- C.M. Woolgar, D. Serjeantson and T. Waldron (2006a) Conclusion. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 267-280.
- C.M. Woolgar, D. Serjeantson and T. Waldron (2006b) Introduction. In C. M. Woolgar, D. Serjeantson and T. Waldron (eds.), *Food in medieval England. Diet and nutrition*. Oxford University Press, Oxford pp. 1-8.
- J.T. Zeiler (2006) The bear, the wolf, the otter and the weasel: carnivorous animals in the Dutch Neolithic. In D. Serjeantson and D. Field (eds.), *Animals in the Neolithic of Britain and Europe*. Oxbow, Oxford pp. 24-31.

## ARTICLES

- R.M. Arbogast, S. Jacomet, M. Magny, et al. (2006) The significance of climatic fluctuations for lake level changes and shifts in subsistence economy during the late Neolithic (4300-2400 B.C.) in central Europe. *Vegetation History and Archaeobotany* **14(4)**: 403-418
- M.J. Church, S.V. Arge, et al. (2005) Puffins, pigs, cod and barley: palaeoeconomy at Undir Junkarinsflotti, Sandoy, Faroe Islands. *Environmental Archaeology* **10**: 179-197
- M. Conedera, W. Tinner, S. Cramer, et al. (2006) Taxon-related pollen source areas for lake basins in the southern Alps: an empirical approach. *Vegetation History and Archaeobotany* **15(4)**: 263-272
- O.E. Craig, G. Taylor, et al. (2005) The identification of prehistoric dairying activities in the Western Isles of Scotland: an integrated biomolecular approach. *Journal of Archaeological Science* **32(1)**: 91-103
- S. Davis (2005) Why domesticate food animals? Some zoo-archaeological evidence from the Levant. *Journal of Archaeological Science* **32**: 1408-1416
- S. Davis (2006) Faunal remains from Alcáçova de Santarém, Portugal. *Trabalhos de Arqueologia* **43**: xx-yy
- S. Davis, U. Albarella, T. Detry, et al. (2005) Pigs of the "far West": the biometry of *Sus* from archaeological sites in Portugal. *Anthropozoologica* **40(2)**: 27-54
- S. Davis, F. Pereira, L. Pereira, et al. (2006) Genetic signatures of a Mediterranean influence in Iberian Peninsula sheep husbandry. *Molecular Biology and Evolution* **23(7)**: 1-7
- S.D. Defrance (2005) Late Pleistocene marine birds from southern Peru: distinguishing human capture from El Niño-induced windfall. *Journal of Archaeological Science* **32**: 1131-1146
- C.J. Dove, P.G. Hare, et al. (2005) Identification of ancient feather fragments found in melting alpine ice patches in southern Yukon. *Arctic* **58(1)**: 38-43
- A. Fairbairn (2003) Archaeobotany at Kaman Kalehöyük 2002. *Anatolian Archaeological Studies* **12**: 151-162
- A. Fairbairn (2004) Archaeobotany at Kaman Kalehöyük 2003. *Anatolian Archaeological Studies* **13**: 107-120
- A. Fairbairn (2005) Crop storage at Kaman Kalehöyük: some preliminary observations. *Anatolian Archaeological Studies* **14**: 129-136
- A. Fairbairn (2006) An archaeobotanical perspective on Holocene plant use practices in lowland northern New Guinea. *World Archaeology* **37(4)**: 487-502
- A. Fairbairn, G. Hope and S. Summerhayes (2006) Pleistocene occupation on New Guinea's highland and sub-alpine environments. *World Archaeology* **38(3)**: 371-386
- A. Fairbairn and S. Omura (2006) Archaeological identification and significance of Ésag (agricultural storage pits) at Kaman-Kalehöyük, central Anatolia. *Anatolian Studies* **55**: 15-23
- A. Fairbairn and P. Swadling (2006) Re-dating mid-Holocene betelnut (*Areca catechu* L.) and other plant use at Dongan, Papua New Guinea. *Radiocarbon* **47(3)**: 377-382

- J.R.A. Greig (2006) Charred plant remains. *Derbyshire Archaeological Journal* **126**: 71-76 (in Bain, K., Late Saxon and medieval Derby: excavations at King Street, Derby, 2004, pp 46-81 of above)
- W. Guminski (2005) Bird for dinner: Stone Age hunters of Dudka and Szczepanki, Masurian lakeland, NE Poland. *Acta Archaeologica* **76(2)**: 111-147
- A.J. Klis, W.O. van der Knaap, A. Schweizer, et al. (2006) A 3000 year succession of plant communities on a valley bottom in the Vosges Mountains NE France, reconstructed from pollen, plant macrofossils and modern phytosociological communities. *Vegetation History and Archaeobotany* **15(4)**: 377-390
- T. McGovern and S. Perdirakis (2006) Coastal connections, local fishing and sustainable egg harvesting: patterns of Viking age inland wild resource use in Myvatn District, northern Iceland. *Environmental Archaeology* **11(1)**: xx-yy
- E. Morin, T. Tsanova, et al. (2005) Bone refits in stratified deposits: testing the chronological grain at Saint-Cesaire. *Journal of Archaeological Science* **32**: 1083-1098
- P. Pokorný (2002) Palaeogeography of forest trees in the Czech Republic around 2000 B.P. *Preslia* **74**: 235-246
- P. Pokorný, N. Boenke, M. Chytráček, et al. (2006) Insight into the environment of a pre-Roman Iron Age hillfort at Vladar, Czech Republic, using a multi-proxy approach. *Vegetation History and Archaeobotany* **15(4)**: 419-433
- J. Schibler (2005) Economy and environment of the 4th and 3rd millennium cal B.C. in the area of the northern Alpine foreland, based on animal bones. *Environmental Archaeology* **11**: 47-62
- D. Serjeantson (2005) Science is measurement: ABMAP, a database of domestic animal bone measurements. *Environmental Archaeology* **10(1)**: 95-101
- A. Speranza, B.V. Geel and J.V. Plicht (2002) Evidence of solar forcing of climate change at ca 850 cal BC from a Czech peat sequence. *Global and Planetary Change* **35**: 51-65
- J. Veselý (2000) The history of metal pollution recorded in the sediments of the Bohemian Forest lakes since the Bronze Age to the present. *Silva Gabreta* **4**: 147-166

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European Society for Environmental History <http://eseh.org/>

## Registration Form

*Environmental Archaeology in Ireland: new perspectives and recent research*

9.30am – 6pm, Saturday 17<sup>th</sup> February 2007  
University College Cork, Ireland

**Registration deadline: 19<sup>th</sup> January 2007**

The cost of attendance (with tea, coffee and abstracts provided) is as follows:

EURO            **€9 (AEA-members/unwaged) / €12** (non AEA-members);

STERLING      **£6 (AEA-members/unwaged) / £8** (non AEA-members).

Payment can be made at the meeting or can be sent in advance.

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Name:

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**Please send registration forms and payment directly to:**

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University College Cork  
Cork  
Republic of Ireland

Telephone +353 21 4904020  
Email [m.mcclatchie@ucc.ie](mailto:m.mcclatchie@ucc.ie)

NB. Lunch on 17<sup>th</sup> will not be provided, although there are a number of suitable eateries in the vicinity

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Spring 2007 One-Day Meeting



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