



# Newsletter

International Council for Archaeozoology

Volume 7, No. 1 (Spring 2006)

## Letter from the President—A Fond Farewell

Dear ICAZ Members,

My second four-year term as ICAZ President ends at the ICAZ General Meeting in México City this August when László Bartosiewicz begins his term of office. So I'd like to take this opportunity in my final letter to you to review some of the highlights of the last eight years. I'd also like to touch on some of the challenges and opportunities that I feel await ICAZ in future years.

Although ICAZ was founded more than 30 years ago, it only became a dues paying membership organization with an elected leadership in 1998. When I began my first term of office in 1999, we had a small core membership of about 100 individuals, a newly minted, untested charter, and a mission to build on ICAZ's founding goal of fostering communication within the diverse and far flung community of archaeozoological researchers. ICAZ's newly elected Executive Committee's first objective was to build the membership base through a vigorous (some might say relentless) membership campaign. By the ICAZ 2002 International Conference in Durham, UK, ICAZ had over 500 members from 58 countries around the world. We had focused a lot of our energies on revising the membership dues structure to encourage participation by students, unwaged researchers, and researchers in developing nations. As a result, by 2002 students, unwaged professionals, and members from developing countries had grown to nearly 40% of the membership. Membership levels in the four years since the Durham conference have remained high and both geographically and demographically diverse. We are now in our third membership recruitment campaign, encouraging current members to renew their membership for the next four-year cycle (2006-2009; see page 5) and seeking out new members. We believe the México City meetings will help draw in a whole new membership base from Latin American countries.

A good deal of effort in the first four years of the new ICAZ was devoted to operationalizing our new charter. This required making a number of adjustments to accommodate the day-to-day realities of running a growing and changing organization. The most tangible of these efforts resulted in a series of amendments to the ICAZ Constitution put forward by the ICAZ Executive Committee (EC) and adopted by the general membership in 2002. One of the major goals of these amendments was to change voting procedures for the offices of ICAZ President and Vice President to ensure a more orderly transfer between in-coming and out-going officers. Another major goal of these amendments was to broaden the degree of membership participation in the nomination and election of these officers and in the election of the members of the International Committee (IC).

As reported on page 3 of this newsletter, the election of the new ICAZ President and Vice President and the new IC took place this March. In-coming President László Bartosiewicz (who is currently serving as ICAZ Vice President) and Vice President Luis Borrero have been actively involved in planning for the México City meeting and the ongoing membership drive and are looking forward to taking the reins of ICAZ in August.

In addition, ICAZ Secretary Arturo Morales and Treasurer Richard Meadow have both decided to step down after eight years of tireless service to ICAZ. This winter the International Committee elected Umberto Albarella as Secretary and Pam Crabtree as Treasurer. These two very capable people will assume these key ICAZ officer positions at the end of 2006 after having worked with outgoing officers Morales and Meadow to conclude

*Continued on page 2*

## IN THIS ISSUE

Letter from the President	1
ICAZ 2006 Conference Update	1
BoneCommons; ICAZ Election Results	3
Member News; New Labs/Programs	4
Open Context; Oxbow Books; Poster Prize	5
Recent Publications	6-12
New Books and Journal Issues	13
ICAZ 2006 Symposia	14
Obituaries—M. Littauer, L. Teichert	15
Calendar	16

## ICAZ 2006 Update

Over the past six months, the organizers of the ICAZ 2006 International Conference in México City have devoted a lot of time putting together the conference website and compiling symposia packages and general session presentations. The conference website can be found at <http://www.alexandriarchive.org/bonecommons/icaaz2006/>. The site includes online registration, downloadable registration forms, and online hotel reservations.

The scientific program is very full. We currently have 26 thematic sessions (including 283 oral presentations and 41 poster presentations) and 88 abstracts for the general session. The abstracts represent participants from 48 countries. A preliminary program for the meeting is posted on the website and unedited abstracts have just been posted on the new BoneCommons website (<http://www.alexandriarchive.org/bonecommons/>). A description of what else this new website has to offer can be found on page 3 of this newsletter.

The conference will be held at the *Escuela Nacional de Conservación, Restauración y Museografía* (ENCRyM) (National School for Conservation, Restoration, and Museography), INAH (<http://www.encrym.edu.mx/>). The venue has a large auditorium, which we will use for the opening of the conference and the plenary

*Continued on page 4*

the 2006 membership drive. The remaining members of the new Executive Committee will be elected by the IC in México City.

The 30 members of the newly elected International Committee represents a good mix of returning members and a healthy number of new comers (see page 3). Over the past eight years the IC has built on its initial mission of serving as a broad-based steering committee. At meetings held in concert with the last ICAZ conference in 2002 and at interim meetings in 2000 (Madrid) and 2004 (Copenhagen) (as well as through frequent e-mail discussion) the IC has helped the ICAZ EC grapple with a number of difficult issues—ranging from assisting in the crafting of constitutional amendments, to selecting future conference venues, to serving as a foundation for important task forces exploring issues of data sharing and professional policies. The Data Base Task Force, in particular, has made impressive headway and is now partnering with a consortium of researchers based at Arizona State University seeking NSF funding to undertake a major new initiative building a system for archiving, accessing, and integrating archaeological database systems. I predict that the IC will continue to play an even greater role in such endeavors the future, providing an influential and active voice for the membership in helping the organization chart its future course.

I am particularly proud of the role ICAZ has played over the past eight years in meeting the organization's core mission of promoting communication among the international community of archaeozoologists. The first ICAZ Newsletter of the new ICAZ was published in spring 2000. Under the able guidance of Editor Heather Lapham 12 newsletters have been published since this first issue, following a regular spring/fall publication schedule. The first few issues of the newsletter were dominated by pieces written by ICAZ EC members bringing the growing membership up-to-date with our progress in building the organization. Over the years, membership contributions to the newsletter have increased to the point that announcements of new publications, membership news, and contributed articles usually make up the bulk of each issue. Lapham is also responsible for the development and update of the ICAZ Website, which debuted in 1999 and which recently adopted a sharp new look and enhanced usability. As she did with the newsletter, Heather has ably developed the website into an increasingly useful and interesting tool for communicating with members and non-members.

And of course ICAZ sponsored meetings have played a tremendous role in serving our central mission. The ICAZ 2002 meeting in Durham was the largest International Conference to date with just over 500 participants delivering hundreds of papers and posters over the five day duration of the meeting. Through the energies of conference organizers Umberto Albarella, Keith Dobney, and Peter Rowley-Conwy, and the efforts of individual symposia organizers, these meetings have now produced a record number of 13 beautifully produced and edited volumes of conference proceedings (with one more on the way) published by Oxbow Books (see page 5).

The ICAZ Working Groups are arguably our most active and effective means of bringing researchers together around research domains of common interest. During the last eight years, three new ICAZ Working Groups (Animal Paleopathology, Archaeozoology and Genetics, and, most recently, Archaeomalacology) have joined the existing six highly active ICAZ Working Groups (ASWA, Birds, Camelids, Fish, Worked Bone, and NABO) hosting meetings every two years, creating their own websites, and publishing an impressive total of more than two dozen volumes of conference proceedings.

The upcoming 10<sup>th</sup> ICAZ International Conference in México City will feature nearly 400 oral and poster presentations (see page 1). One of the highlights of the conference will be a plenary session on Latin American archaeozoology which will result in a bilingual volume presenting an overview of the accomplishments and future directions of archaeozoology throughout Latin America—from Mexico to Chile. This promises to be a landmark volume that will bring the rest of the international community of archaeozoologists up to speed with work conducted across this vast region.

As part of the planning for this upcoming conference, ICAZ contracted with the Alexandria Archive Institute (AAI) to develop a conference website. This website will serve as a platform for future ICAZ conferences and, if they are interested in using it, for Working Group meetings. A particularly promising part of this website is the recently inaugurated BoneCommons feature (see page 3) that currently contains abstracts for conference sessions. This feature will also be a place where meeting participants can post conference papers for review and comment, as well as provide real time information and updates about activities. We hope to make this an ongoing feature of ICAZ as one more particularly powerful way of facilitating communication within the archaeozoological community.

So I think we can all look back on these past eight years with a feeling of satisfaction. Together we have helped ICAZ through the transition to becoming a full fledged, high functioning professional organization with a committed membership and a wide range of programs aimed at serving the archaeozoological community. As to the future, I can only hope there will be more of the same, and I am confident that we will have a leadership that will continue and expand this legacy. More specific suggestions I might offer about future activities fall into two areas.

First I hope that ICAZ will continue to work to broaden its democratic base and to involve the membership more directly in the selection of its Executive Committee. This would mean changing the tenure and election procedures for the key Secretary and Treasurer positions, giving these positions defined terms with well structured means of ensuring continuity in their important functions. It would also mean engaging the entire membership, not just the IC, in the nomination and election of the incumbents in these offices. This democratization process should also extend to the EC at-large positions which are currently nominated and elected by the IC.

I would also caution the organization against trying to establish its own journal. This is a topic that has been raised repeatedly over the last eight years, and it will likely be raised again in the future. There are a number of well established outlets for the publication of archaeozoological research. I don't believe that we need to create yet another competing print medium to enter this already crowded field. We have developed a relationship with one of these journals, *Archaeofauna*, that gives ICAZ members discounted subscription rates. Seeking out more of these relationships with other such journals would give the membership another attractive membership

## Announcing BoneCommons—A New Web Resource


ICAZ and the Alexandria Archive Institute (AAI) have teamed up to create BoneCommons, a new web forum for the archaeozoological community. BoneCommons facilitates communication between ICAZ members by providing a place for them to “meet” online. ICAZ members can post questions, have discussions, and upload photos, charts, papers, and references. BoneCommons currently offers the following features:

*Resources for Conferences and Working Groups* • BoneCommons will enhance the exchange of scholarly information from the ICAZ 2006 International Conference by providing Internet access to the meeting’s content and continuing online discussions (long after the conference is over). Sessions and paper titles are now viewable. This section also includes a separate forum for each ICAZ Working Group to help plan meetings, enable discussions, and post contents of working group meetings.

*Zooarchaeology Discussions* • This section includes “What Bone is This?,” a forum where members can upload photos and seek help with identifications. Members can also post announcements such as jobs, links to online resources, field schools, etc.

*Zooarchaeology Resources* • This section includes a Publications forum where members can post recent and past publications references, abstracts, and full papers or links to full papers. This section also includes a forum called “Teaching Materials” where ICAZ members can post handouts, reading lists, images, syllabi, and other teaching tools to share with colleagues.

BoneCommons is a benefit of ICAZ membership. Only ICAZ members can post content, questions, and discussions to the BoneCommons forum. However, to promote zooarchaeology in our field and beyond, the general public can visit BoneCommons, view the discussions, and download any content posted to it (provided they cite it properly, as determined by the contributor).

Please visit the BoneCommons website at <http://www.bonecommons.org>. Here, you will find a link to the BoneCommons forum, as well as full instructions for posting, terms and conditions of use, and licensing information for users. All ICAZ members will automatically receive usernames and passwords by e-mail. 

## ICAZ Election Results, 2006-2009

During January 2006, ICAZ held its elections for President/Vice President and the International Committee. A total of 237 valid votes were cast in this election and all candidates received a healthy number of votes. At the ICAZ 2006 International Conference in México City László Bartosiewicz will take over for Melinda Zeder as the new ICAZ President and Luis Borrero will become the organization’s new Vice President. The 30 renewed or newly elected members of the International Committee (IC) include: Umberto Albarella (UK), Atholl Anderson (Australia), Joaquin Arroyo-Cabrales (Mexico), Guy Bar-Oz (Israel), László Bartosiewicz (Hungary), Zbigniew Bochenski (Poland), Luis Borrero (Argentina), Simon Davis (Portugal), Keith Dobney (UK), Jon Driver (Canada), James Enloe (USA), Don Grayson (USA), Ana Fabiola Guzman (Mexico), Hitomi Hongo (Japan), Heather Lapham (USA), Roel Lauwerier (The Netherlands), Christine Lefèvre (France), Richard Meadow (USA), Arturo Morales-Muñiz (Spain), Terry O’Connor (UK), Sebastian Payne (UK), Ina Plug (South Africa), Wietske Prummel (The Netherlands), Richard Redding (USA), Elizabeth Reitz (USA), Jörg Schibler (Switzerland), Wim Van Neer (Belgium), Jean-Denis Vigne (France), Jing Yuan (China), and Melinda Zeder (USA). As per clause 4.6.1 of the ICAZ Statutes the term of office for this new IC will begin during the 2006 conference.

Later in spring 2006, the IC held a second election for General Secretary and Treasurer. At the upcoming meetings in México City, Umberto Albarella will become the new General Secretary and Pam Crabtree will take over for Richard Meadow as the new Treasurer.

I would like to take this opportunity to congratulate the candidates who were elected to offices and to thank everyone, especially the many members who cast their vote, for their participation in this election. To those who are entering office, I wish you productive work in the years to come. To those individuals who are leaving office, I look forward to your active involvement in other ways in the future developments of ICAZ.

Arturo Morales-Muñiz, General Secretary, ICAZ 

## Free Assistance Translating Spanish to English

Karen Privat extends her assistance on a first come, first served basis to any Spanish-speaking professionals and students attending the ICAZ 2006 International Conference in México City with the translation or sub-editing of their work from Spanish to English in preparation for the conference. Interested? E-mail her directly at [k.privat@unsw.edu.au](mailto:k.privat@unsw.edu.au).

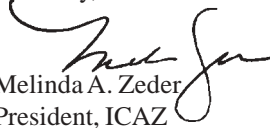
*Continued from page 2-  
Letter from the President*

benefit, without tying up ICAZ financial and human resources in creating and managing a new journal.

Instead I hope ICAZ will build upon its nascent efforts at promoting online communication, publication, and data sharing through ventures like BoneCommons and the initiatives being developed by the ICAZ Data Base Task Force. I think these efforts give us the highest yield for our investment and will provide our members with truly valuable resources and channels of communication. I think we will do far more to advance the discipline through the powers of the internet than by reverting to more traditional, and more structured and restrictive, communication media.

In closing I’d like to thank the other members of the EC, especially Arturo Morales, Richard Meadow, and László Bartosiewicz who have worked so hard for ICAZ over the past eight years. Heather Lapham, in particular, deserves praise and everlasting gratitude for all her work on the original membership drive, and her continuing efforts on the newsletter and the website. It has been a real pleasure to serve along with these people. Most of all I’d like to thank the ICAZ membership for its confidence in electing me to two terms as ICAZ President. It has truly been a privilege to serve in this capacity. I am really looking forward to retirement from this ICAZ elected office and the opportunity of serving this fine organization as a committed and faithful member.

Sincerely,

  
Melinda A. Zeder  
President, ICAZ



session. The conference site also has many smaller rooms where concurrent sessions will take place as well as space for poster presentations and vendors. The facility also has a room dedicated to computer use (with 15+ PC computers) and Internet access.

In addition to a full scientific program, we will be hosting a reception on the first evening of the conference (August 23) and a banquet on the final evening (August 28). You can sign up for the banquet when you register for the conference. Mid-way through the conference, on Saturday August 26, we will take a break from sessions. Attendees can choose from eight different half-day or full-day field trips to destinations in and around México City. A description of the field trips and a sign-up form are available on the website.

We would like to remind participants that we use primarily PC computers, so Macintosh users please take note. Symposium organizers should assemble the PowerPoint presentations for their session prior to the beginning of their symposium to make sure that all files can be opened on the conference computers. There will be PC computers available at the conference for the presentations; however, if any organizer would prefer to bring his/her own computer, they are welcome to do so. Guidelines for paper and poster presentations are posted on the conference website. We should also note that, following in the steps of the 2002 International Conference in Durham, poster prizes will also be awarded at the México City meetings. Cash prizes in two categories—student and professional—will be offered this year (see page 5).

We have had a number of requests for financial assistance. These requests will be reviewed by a committee comprised of the conference organizers and three members from the ICAZ Executive Committee. ICAZ has pledged \$10,000 to support participant attendance at the meeting and we hope that appeals for additional funds for this purpose will also be successful. Decisions on financial aid will be finalized by late June.

We look forward to seeing all ICAZ members in México City in August.

Joaquín Arroyo-Cabrales and Oscar J. Polaco, Organizing Committee, ICAZ 2006  
E-mail: [icaz2006@yahoo.com.mx](mailto:icaz2006@yahoo.com.mx)

## Member News

**Prof. Dr. Atholl J. Anderson** has recently been awarded the Companion to the New Zealand Order of Merit (CNZM) for services to archaeology and anthropology. Equivalent to the British CBE, which it replaced in the New Zealand Honours system, the citation mentioned Prof. Anderson's research on the early archaeology of New Zealand and the Pacific and his anthropological research on the southern Maori. The award also listed his various publications, including *Prodigious Birds: Moas and Moa-Hunting in Prehistoric New Zealand* (Cambridge University Press 1989) and *The Welcome of Strangers: An Ethnohistory of Southern Maori* (Otago University Press 1998) as well as his work on behalf of Maori claimants before the Waitangi Tribunal.

**Haskel J. Greenfield** (University of Manitoba, Winnipeg) has been awarded a three-year grant, totaling \$96,000, from the Social Sciences and Humanities Research Council of Canada to continue his research on the origins and spread of metallurgy through cut mark analysis on animal remains from a number of Early and Middle Bronze Age sites in Israel.

**Hans Christian Küchelmann** and **Petar Zidarov** have launched a new online database that contains information about bone skate finds they collected during their experimental bone skating project: [http://www.knochenarbeit.de/bone\\_skates.php](http://www.knochenarbeit.de/bone_skates.php). Their project also resulted in the recently published article entitled "Let's skate together! Skating on Bones in the Past and Today" in the Proceedings of the 4<sup>th</sup> Meeting of the ICAZ Worked Bone Research Group (For details see entry on page 9 in Recent Publications).

## New Labs and Programs

### NEW ZOOARCHAEOLOGY AND TAPHONOMY LAB IN ARGENTINA

Throughout the year, Sebastián Muñoz and Mariana Mondini (both of CONICET–Consejo Nacional de Investigaciones Científicas y Tecnológicas—the national science and technology council in Argentina) will be starting a new laboratory called "Laboratorio de Zooarqueología y Tafonomía." The lab, funded by CONICET and based in the Museo de Antropología at the Universidad Nacional de Córdoba, will address zooarchaeological and taphonomic problems in arid areas of southern South America. The goal is to develop different lines of research to investigate anthropological questions using faunal data. Zooarchaeology and taphonomy at this broad geographic scale need further development and this lab will help to advance research in this direction. More specifically, the lab will host research that furthers our understanding of the general features and trends in the relationships between humans and Neotropical faunas, as well as the taphonomic processes that characterize this archaeofaunal record. The research supported by the lab will also develop more general methodological and theoretical aspects of these disciplines. For more information about the lab, please contact: Mariana Mondini or Sebastián Muñoz • Laboratorio de Zooarqueología y Tafonomía • CONICET-Museo de Antropología, Universidad Nacional de Córdoba • Av. H. Yrigoyen 174 • 5000 Córdoba ARGENTINA • Email: [mmonmun@mail.retina.ar](mailto:mmonmun@mail.retina.ar).

### PALAEO—A NEW MARIE CURIE EARLY STAGE TRAINING SITE

PALAEO is a new interdisciplinary training centre at the University of York, UK, dedicated to the recovery of information about past peoples and their environment from sources that range from human skeletons to ancient biomolecules. PALAEO represents an innovative programme designed to integrate palaeoecology, archaeology, and human evolution by bringing together researchers from three existing areas: Functional Morphology, the Centre for Human Palaeoecology, and BioArch. The holistic study of past peoples and their environment requires many different biological concepts and techniques to be used, from evolutionary biology to community ecology and biochemical analysis. PALAEO brings together leading specialists (more than 24 of them) from these diverse areas, all of whom have exceptional experience and as a collective provide a great breadth of expertise. PALAEO has received about 1M Euro to support international training at both the Master's and Doctorate levels. Possible research areas must fall within the objectives of the centre, which include archaeozoological studies. Additional information is available online at <http://admin.palaeo.googlepages.com/home>.

## Contributions Sought for "Open Context"

If you are like most researchers, you have published syntheses of your work, but the original spreadsheets, images, maps, and notes are still sitting on your computer. The Alexandria Archive Institute (AAI) has developed a place where ALL that useful information can be easily "e-published" and archived. Moreover, other scholars can access your data, cite it, and further build upon your contributions. Studies show that open access to electronic scholarship increases citation rates, making you and your work more broadly appreciated by the community! Please read on for more details and contact Sarah Kansa (skansa@alexandriarchive.org or contact@opencontext.org) to find out how to take part.

This new resource, called Open Context (<http://www.opencontext.org>), is an online, integrated database for global cultural heritage content. Open Context's flexible structure can accommodate a wide variety of content ranging from field analyses of prehistoric animal bones, to museum comparative collections, and beyond. By pooling such diverse content, Open Context gives users powerful tools to search across, compare, and analyze primary data.

Open Context provides a spectrum of tools that enable both the occasional user to use simple "Google-like" text searches to return photos of interest and the "power user" to perform advanced queries across multiple datasets. Search results can be saved and "tagged" to make them easier to find again and making it easy for users to collaborate. Researchers can also use Open Context as a venue for comprehensive publication of analyses and media. Data contributions need not conform to any predetermined recording or terminological system. This flexibility helps Open Context keep up with diverse and changing research agendas and methodologies. Open Context is linked with digital repositories such as the Internet Archive to help develop this into a rich, permanent, and citable resource for the academic community and beyond.

The Alexandria Archive Institute developed Open Context through generous support of the William and Flora Hewlett Foundation. The underlying data structures used in Open Context are based on pioneering efforts of David Schloen, lead of the University of Chicago Online Cultural Heritage Research Environment Project (OCHRE). Open Context is compatible with OCHRE's systems, helping to insure the continued development of powerful tools and services.

The Alexandria Archive Institute is a California-based nonprofit organization creating tools to provide free and open access to cultural heritage content via the Internet. 

## Oxbow Books


Oxbow Books (<http://www.oxbowbooks.com/>) is pleased to announce the publication of four more volumes from the Proceedings of the 9<sup>th</sup> ICAZ International Conference in Durham, UK, 2002. Thirteen volumes have been published to date, with one more on the way. The Oxbow Books website contains additional information about each volume, including chapter titles and associated authors. ICAZ members receive a 50% discount on all volumes. Oxbow Books also offers a nice discount to libraries who purchase the entire 14 volume series. These books are an important undertaking for the international zooarchaeological community so please ask your library to add these books to their collections. We need to make sure these volumes get good distribution to ensure that future conference proceedings will be published by Oxbow Books and other reputable presses.

*Beyond 'Affluent-Foragers': Rethinking Hunter-Gatherer Complexity*  
edited by Colin Grier, Jangsuk Kim, and Junzo Uchiyama


*Equids in Time and Space*  
edited by Marjan Mashkour

*Integrating Zooarchaeology*  
edited by Mark Maltby

*Recent Advances in Ageing and Sexing Animal Bones*  
edited by Deborah Ruscillo

One more volume is on its way: *Dogs and People in Social, Working, Economic or Symbolic Interaction* edited by Lynn M. Snyder and Elizabeth A. Moore. 

## Poster Prize!

There will be a poster prize competition at the ICAZ 2006 International Conference in México City. The purpose of the poster prize is to encourage and reward the presentation of interesting and well-designed posters about archaeozoological work. Following the competition that took place at the 2002 International Conference in Durham, UK, there will be two poster prize categories: student and professional. This year, however, the prizes will be cash awards. First prize winners in each category will win **US\$500**, while second prize winners will receive **US\$250**. The posters will be judged by a committee appointed by the Conference Organizers. Criteria for judging include: 1) poster content, 2) originality and clarity in the way the content is communicated, and 3) design and impact of the poster. Prizes will be awarded at the ICAZ General Meeting that will be held on the last day of the conference. All posters are eligible. 

## ICAZ Membership Renewal Time

The new four-year membership cycle began in January 2006. It will extend through December 2009. Most ICAZ memberships expired in 2005 and we have been getting a steady stream of renewals since the new membership drive began last fall. If you have not yet renewed your membership, please do so right away. You can find membership forms online at [http://www.nmnh.si.edu/anthro/icz/membership\\_join.html](http://www.nmnh.si.edu/anthro/icz/membership_join.html). Membership dues may be paid by check, wire transfer, or credit card (via PayPal). Please renew your membership today.

## YOU Can Contribute to the ICAZ Newsletter

Submission **DEADLINES** for the biannual ICAZ Newsletter are April 15 (Spring) and October 15 (Fall). E-mail submission to the newsletter editor, Heather Lapham, at [hlapam@siu.edu](mailto:hlapam@siu.edu).

Or, log on to the For Members portion of the ICAZ Website (<http://www.nmnh.si.edu/anthro/icz/>) to submit notices of upcoming events, address updates, and member comments.

## Recent Publications

This is the sixth newsletter issue to feature recent publications in archaeozoology. This list, which contains more than 175 references, was compiled from e-mail contributions submitted by ICAZ members. Due to the large number of submissions, we have omitted from the following list in-press publications, presented papers, abstracts from conference proceedings, and publications prior to 2004. Thanks to everyone who contributed.

- ALBARELLA, U., and S. PAYNE (2005). Neolithic Pigs from Durrington Walls, Wiltshire, England: A biometrical database. *Journal of Archaeological Science* 32(4):589-599.
- ALLEN, MELINDA S. (2004). Bet-hedging strategies in unpredictable environments: Historical development of dryland agriculture in Kona, Hawai'i. *Journal of Anthropological Archaeology* 23:196-224.
- ALLEN, M.S., and L.A. NAGAOKA (2004). In the footsteps of von Haast... the discoveries something grand: The emergence of zooarchaeology in New Zealand. In *Change Through Time: 50 Years of New Zealand Archaeology*, S. Holdaway and L. Furey (eds.), pp. 193-214. Monograph 26, New Zealand Archaeological Association.
- ANDERUNG, C., A. BOUWMAN, P. PERSSON, J.M. CARRETERO, A.I. ORTEGA, R. ELBURG, C. SMITH, J.L. ARSUAGA, H. ELLEGREN, and A. GÖTHERSTRÖM (2005). Prehistoric contacts over the Straits of Gibraltar indicated by genetic analysis of Iberian Bronze Age cattle. *Proceedings of the National Academy of Science* 102(24):8431-8435.
- ANTIKAS, T. (2004). Funeral horse carts discovered in Thrace, Greece. *The European Archaeologist* 19:17-18.
- ANTIKAS, T. (2004). *Olympica Hippica*. Euandros Editions, Athens.
- ANTIKAS, T. (2004). Olympus, Olympics and Macedonian Stefanites. *GoldTrefoil* (2004):18-27.
- ANTIKAS, T., and L. WYNN-ANTIKAS (2004). Tzamala-IV: Common and traumatic pathology on skeletons of the Late Bronze and Early Iron Age. *Archaeological Work in Macedonia-Thrace* 16:509-518.
- ANTIKAS, T., L. WYNN-ANTIKAS, J. NAYLOR, and L. STEFANI (2005). Perimortem weapon trauma to the thoracic vertebrae of a 2<sup>nd</sup> century BCE adult male from Central Macedonia, N. Greece. *Journal of Paleopathology* 16:69-76.
- ANTIKAS, T., L. WYNN-ANTIKAS, J. NAYLOR, and L. STEFANI (2005). Symbols of Heroism: Horse burials in royal and common Macedonian tombs. In *Equids in Time and Space*, M. Mashkour (ed), pp. 204-210. Oxbow Books, Oxford.
- ARBOGAST, R.-M., M.-P. HORARD-HERBIN, P.MENIEL, and J.-D. VIGNE (2005). *Animaux, environnements et sociétés*. Collections Archéologiques, Errance, Paris.
- ARNDT, BETTY, and ANDREAS STRÖBL (2005). Abfälle eines Knochenschnitzers im Hochmittelalterlichen "gutingi." *Archäologie in Niedersachsen* 8:45-49. Oldenburg.
- ARROYO-CABRALES, J., E. CORONA-M., O.J. POLACO, J.A. CRUZ SILVA, M. CÓRDOVA, G. CANTO, and O. BASANTE (2004). Recent Excavations in the Cueva Encantada, Chimalacatlán, Morelos, México. *Current Research in the Pleistocene* 21:9-11.
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## New Books

***Animal Diversities*** by Gerhard Jaritz and Alice Choyke (2005). Medium Aevum Quotidianum XVI, Krems. [ISBN 3901094199, 166 pages; figures, maps, plans, drawings, and photographs]. The book costs €10.00. For information about how to order this book, e-mail: jaritzg@ceu.hu.

***Animals in the Neolithic of Britain and Europe*** edited by Dale Serjeantson and David Field (2006). Neolithic Studies Group Seminar Papers 7. Oxbow Books, Oxford. [ISBN 184217214X, 192 pages, 45 illustrations, 21 tables.]. The book costs US\$56.00/£28.00 and can be ordered through the David Brown Book Company: <http://www.oxbowbooks.com/bookinfo.cfm/ID/46068/Location/DBB>.

***The Assemblage of Bone and Ivory Artifacts from Caesarea Maritima, Israel 1<sup>st</sup>-13<sup>th</sup> Centuries CE*** by Etan Ayalon (2005). British Archaeological Reports, International Series 1457. Archaeopress, Oxford [ISBN 1-84171-895-5, ix+396 pages; 79 figures, maps, plans, drawings, photographs and plates]. The book costs £36.00 plus shipping and can be ordered online through the publisher's website: <http://www.archaeopress.com/searchBar.asp?QuickSearch=1457>.

***Beyond 'Affluent-Foragers': Rethinking Hunter-Gatherer Complexity*** edited by Colin Grier, Jangsuk Kim, and Junzo Uchiyama (2006). [ISBN 1842171259]. The book (hardcover) costs US\$64.00 and can be purchased online through the David Brown Book Company: <http://www.oxbowbooks.com/bookinfo.cfm/ID/38230/Location/DBBC>.

***Documenting Domestication: New Genetic and Archaeological Paradigms*** edited by Melinda A. Zeder, Daniel G. Bradley, Eve Emshwiller, and Bruce D. Smith (2006). The University of California Press, Berkeley. [ISBN 0-520-24638-1, 416 page; 40 black/white photographs, 120 line illustrations]. The book (hardcover) costs US\$70.00/£45.00 and can be ordered through the publisher's website: <http://www.ucpress.edu/books/pages/10279.html>.

***Equids in Time and Space*** edited by Marjan Mashkour (2006). Proceedings of the 9<sup>th</sup> ICAZ Conference, Durham 2002. Oxbow Books, Oxford. [ISBN 1842171194, 224 pages, with many black/white illustrations and tables]. The book (hardcover) costs US\$72.00 and can be purchased online

through the David Brown Book Company: <http://www.oxbowbooks.com/bookinfo.cfm/ID/38224>.

***The Faunas of Hayonim Cave, Israel: A 200,000-Year Record of Paleolithic Diet, Demography, and Society*** by Mary C. Stiner (2005). American School of Prehistoric Research Bulletin 48. Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge. [ISBN 0-87365-552-4, 330 pages, 46 halftones figures and maps, 76 tables]. The book (softcover) costs US\$75.00/£46.95/€69.00 and can be ordered through the publisher's website: <http://www.hup.harvard.edu/catalog/STIFAU.html>.

***Food in the Ancient World*** by John M. Wilkins and Shaun Hill (2006). Blackwell Publishing, London. [ISBN 0631235515, 320 pages, 31 illustrations]. The book (softcover edition) costs US\$29.95/£17.99 and can be ordered through the publisher's website: <http://www.blackwellpublishing.com/book.asp?ref=0631235515>.

***Hunting for Hides: Deerskins, Status, and Cultural Change in the Protohistoric Appalachians*** by Heather A. Lapham (2006). The University of Alabama Press, Tuscaloosa. [ISBN SBN 0-8173-5276-7, xii+184 pages; 38 figures, 17 tables]. The book (softcover edition) costs US\$29.95 and can be ordered through the publisher's website: <http://www.uapress.ua.edu>.

***Integrating Zooarchaeology***, edited by Mark Maltby (2006). Proceedings of the 9<sup>th</sup> ICAZ Conference, Durham 2002. Oxbow Books, Oxford. [ISBN 1842171232, 148 pages]. The book (hardcover) costs US\$60.00/£30.00 and can be purchased online through the David Brown Book Company: <http://www.oxbowbooks.com/bookinfo.cfm/ID/38228/Location/Oxbow>.


***Recent Advances in Ageing and Sexing Animal Bones*** edited by Deborah Ruscillo (2005). Proceedings of the 9<sup>th</sup> ICAZ Conference, Durham 2002. Oxbow Books, Oxford. [ISBN 1842171224, 272 pages, many black/white illustrations and tables]. The book (hardcover) costs US\$100.00 and can be purchased online through the David Brown Book Company: <http://www.oxbowbooks.com/bookinfo.cfm/ID/38227/Location/Oxbow>.

***Retracing the Aurochs: History, Morphology and Ecology of an Extinct Wild Ox*** by Cis Van Vuure (2005). In English;


translated from Russian. Pensoft Publishers, Sophia-Moscow. [ISBN 9656422355, 424 pages, many black/white and color photos and figures]. The book (hardcover) costs €67.90 and can be ordered through the publisher's website <http://www.pensoft.net/search/first.htm>.

***Rhythms of Life: Thyroid Hormone and the Origin of Species*** by Susan J. Crockford (2006). Trafford Publishing. [ISBN 1-4120-6124-5, 273 pages; color and black/white images and charts]. For more information, go to: <http://www.rhythmsoflife.ca/>. The book (softcover) costs US\$29.52/CAN\$33.95/€24.25/£16.98 and can be ordered through Trafford Publishing at <http://www.trafford.com>. An e-book in pdf format will also be available for purchase (US\$14.99); for details contact the author (sjcrock@shaw.ca).

***Taphonomy and Palaeoecology of Bears from the Quaternary of Cantabrian Spain*** edited by Ana C. Pinto, Peter Andrews, and Paco Etxeberria (2005). Fundación Oso de Asturias/DuPont Ibérica/The Natural History Museum; Grafinsa, Oviedo. [ISBN 84-96476-49-9, 688 pages; 318 figures, 96 tables]. The book costs €20.00 and can be purchased online through KRK Ediciones: <http://krkediciones.com/fichaLibro.php?l=414>.

***Twilight of the Mammoths: Ice Age Extinctions and the Rewilding of America*** by Paul S. Martin (2005). Organisms and Environments 8. University of California Press, Berkeley. [ISBN 0-520-23141-4, 269 pages, 17 black/white photographs, 12 figures, 7 tables]. The book (hardcover) costs US\$29.95 and can be purchased through the publisher's website: <http://www.ucpress.edu/books/pages/9552.html>. 

## New Journal Issue

Homenaje a Jesús Altuna: Trabajos sobre Paleontología, Arqueozoología, Antropología Arte, Arqueología y Patrimonio Arqueológico (2005/2006.). *Munibe* (Antropología-Arqueología) 57(1-3). San Sebastian. 

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Justin S.E. Lev-Tov and Susan D. deFrance

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**Zooarchaeology of the Late Pleistocene/Early Holocene in the Americas** • Matt Hill

## • Plenary Session •

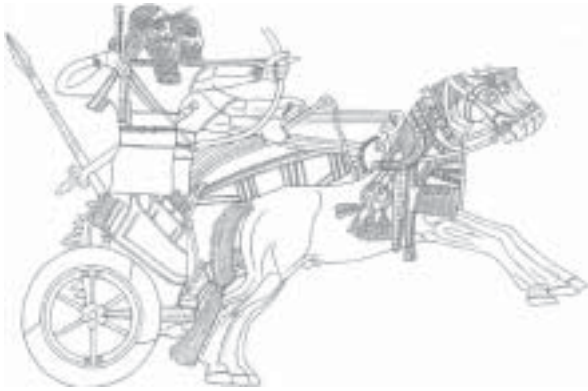
**Latin-American Archaeozoology: Origins and Development**

Oscar J. Polaco, Guillermo Mengoni, and

Joaquín Arroyo-Cabrales

The plenary session will feature archaeozoologists from a range of Latin American countries who will give an up-to-date report on the in-country developments in archaeozoology. The session will establish the state-of-the-art for the field in this region and will provide an overview of the research themes and methods used across the region, highlighting both their similarities and their differences. A volume of plenary presentations will be available to conference participants as part of their registration fees.

## Obituary–Mary Aiken Littauer



Mary Littauer, who died in December 2005 at the age of 93, was a leading authority on ancient horses, chariots, and related equipment. She will be remembered not only for her commonsense approach, critical appraisal, and in-depth practical knowledge of horses, but also for the enormous amount of help and encouragement she gave to others. Widely read, Mary was always willing to pass on her knowledge; her response to any query would often include not only relevant information but photocopies of source material as well as constructive comments.

Mary (who always preferred to be known by her Christian name) learned to ride as a child, and later joined the Frontier Nursing Service in Kentucky, USA, where she volunteered as a courier, covering many miles on horseback over rough terrain, often in unpleasant conditions. She trained at top-class riding establishments in England and the USA. It was at the prestigious Boots and Saddles Club in New York state that she met her future husband—Captain Vladimir Littauer, a Russian cavalry officer who escaped the Red Army during the Revolution. Captain Littauer founded the well-known school of equitation with a fellow émigré, became a highly-respected trainer of competition horses and show jumpers, and authored eight books on riding and horsemanship.

Upon their marriage in 1935, Mary and “The Captain” bought an old farmhouse on Long Island where they built up an extensive library of books on horses and history—topics in which they shared a deep interest. They travelled widely. Mary learned Russian and German, in addition to being fluent in French, and later studied ancient Greek. Reading the journal *Antiquity*, she realised that her knowledge of modern horse equipment and anatomy could be applied to archaeological finds. She submitted her first article, entitled *The Function of the Yoke Saddle in Ancient Harnessing*, in 1968, followed by many other papers, comments, and reviews, all of which were practical and well-researched.

On a visit to the Ashmolean Museum in Oxford, England, Mary was introduced to Joost Crowel, an archaeology graduate student from Holland who was researching Mycenaean chariots for his doctoral thesis. She shared her practical knowledge with him, which led to a collaboration that lasted more than 30 years. Together, they published some 65 articles in academic journals, sometimes with other scholars. These articles were reprinted under the title *Selected Writings on Chariots, Other Early Vehicles, Riding and Harness* edited by Peter Raulwing (2002). Their books *Wheeled Vehicles and Ridden Animals in the Ancient Near East* (1970) and *Chariots and Related Equipment from the Tomb of Tutankhamen*

(1985) became standard reference works. For the latter they obtained permission to inspect and measure the original chariots. Mary always remembered crawling underneath to look at details of their construction while an attendant urged them to hurry because the exhibition cases could only remain open for a short time.

Her writings on a wide range of equine topics led to correspondence with many distinguished scholars and formed long-lasting, international friendships. These included archaeologist Stuart Piggott and, in the field of archaeozoology, Sándor Bökönyi from Hungary, Juliet Clutton-Brock from England, and Sandra Olsen from Pennsylvania, USA, to name a few. Mary, with a prodigious memory for anything she read, enjoyed discussing every aspect of horse/human relationships, from possible evidence for early domestication to the size of medieval horses to whether the Scythians might have used stirrups.

We owe Mary Littauer a debt of gratitude not only for her contribution to equine studies but for her enthusiasm, her generosity, and her willingness to share her ideas and knowledge. She will be greatly missed.

Gail Brownrigg (gail\_brownrigg@yahoo.co.uk) 


## Obituary–Lothar Teichert



Dr. Lothar Teichert, my brother, suddenly and unexpectedly suffered a stroke on December 10, 2005. He lay in a coma for several months until he died in Halle (Saale), Germany, on March 26, 2006, at the age of 76.

Lothar studied agriculture and education at Martin Luther University in Halle beginning in 1952, following which he taught at a technical college for crop protection in Halle. In 1968, Lothar obtained his Doctorate in Agriculture and in 1970 gained a post as a research assistant at the Museum for Prehistoric and Early History in Potsdam. At the museum, he began to specialize in the large domestic animal skeleton collection, named after “Julius Kühn,” under my instruction. Lothar quickly became acquainted with his new field and from then on he examined animal remains from numerous archaeological sites in the State of Brandenburg. More than 30 scientific publications, mainly in the Museum for Prehistoric and Early History Potsdam series and the journal *Ausgrabungen und Funde* (Berlin), testify to his successful work.

Lothar took part in national and international conferences for archaeozoology (e.g. in Szczecin 1978, Halle 1992, Konstanz 1994 and Berlin 1998). Through his research he cultivated friendly contacts with many other specialist colleagues, both at home and abroad. He was put into well-deserved retirement in 1995. He spent many comfortable twilight years in his house with a large garden, surrounded by his beloved roses. Lothar Teichert is survived by his wife, two children, and three grandchildren.

Manfred Teichert, Museum für Domestische Tierkunde, Universität Halle (Saale), Germany; Private address: Veilchenweg 15, D-06118 Halle, Germany 

## Calendar

JUNE 28-30, 2006

**The 8<sup>th</sup> Meeting of the ICAZ Archaeozoology of Southwest Asia (ASWA) Working Group** will be held in Lyon, France. For additional details, contact the conference organizers Emmanuelle Vila (emmanuelle.vila@mom.fr) and Lionel Gourichon (lionel.gourichon@free.fr).

JULY 22-23, 2006

**For the 3<sup>rd</sup> consecutive year, the Stanley J. Olsen, Eagle Lake Zooarchaeology Conference** will be held at a remote biological field station in northeastern California, USA. Details online at <http://www.csuchico.edu/~bayhamf/zooarch.htm>

JULY 24-25, 2006

**The 8<sup>th</sup> Annual Symposium on Zoo Research** is being held at Colchester Zoo, UK. For more information, contact Alex Burr (alex.burr@colchester-zoo.co.uk); Web: <http://www.colchester-zoo.co.uk>.

AUGUST 23-28, 2006

**The ICAZ 2006 International Conference**, hosted by the Escuela Nacional de Conservación, Restauración y Museografía, Instituto Nacional de Antropología e Historia, will be held in México City, México. For details, contact the organizers, Joaquin Arroyo-Cabrales and Oscar J. Polaco (icaz2006@yahoo.com.mx). Information and registration are also available online at <http://www.alexandriaarchive.org/bonecommons/icaz2006/>.

AUGUST 28-SEPTEMBER 1, 2006

**The 16<sup>th</sup> European Meeting of the Paleopathology Association** will be held in Santorini, Greece. Additional information is available online at <http://ppa16.biol.uoa.gr>.

SEPTEMBER 7-9, 2006

**The 2<sup>nd</sup> International Symposium on Biomolecular Archaeology** will be held in Stockholm, Sweden. Details are available online at <http://www.archaeology.su.se/isba2>. For more information, contact: Professor Kerstin Lidén (kerstin.liden@arklab.su.se), Archaeological Research Laboratory, Stockholm University, Sweden.

SEPTEMBER 20-24, 2006

**The North Atlantic Biocultural Organization (NABO) meeting, entitled "The View**

**from Here: History and Ecology of the North Atlantic Region"** will be held at the Université Laval, Québec, Canada. The meeting will showcase current research on the complex (pre)history of human occupation of North Atlantic region and the culture-environment interactions that have shaped its ecological history. For more information, contact the conference co-chairs James Woollett (James.Woollett@hst.ulaval.ca) or Allison Bain (Allison.Bain@hst.ulaval.ca).

OCTOBER 4-6, 2006

**Gesellschaft für Archäozoologie und Prähistorische Anthropologie e.V.** Die tagung findet in den Räumen der Universität Jena statt. Die tagung wird in Zusammenarbeit mit dem Institut für Humangenetik und Anthropologie an der Friedrich-Schiller-Universität Jena ausgerichtet. Kontaktadresse: Dr. Horst Bruchhaus (Horst.Bruchhaus@mti.uni-jena.de) und Ronny Bindl M.sc. (Bindl@mti.uni-jena.de).

OCTOBER 7, 2006

**A one day conference, entitled "Animal's Routes, Peoples' Routes: Transhumance and Other Animal Migrations in Middle Age Europe,"** will be held at the Dipartimento di Scienze Umane, University of Foggia, Italy, as part of the Animals as Material Culture in the Middle Ages Project. For additional details, contact the organizers Antonietta Buglione (a.buglioni@unifg.it) and Giovanni de Venuto (archeozoologia@unifg.it).

OCTOBER 12-15, 2006

**The International Conference of the European Association for the Advancement of Archaeology by Experiment (EXAR), entitled "Utilisation of Forest, Agriculture and Stock Farming—Methods, Results and Their Realisation in the Experiment,"** will

be held at the Archäologisch-Ökologisches Zentrum in Albersdorf, Germany. Additional details are available online at <http://exar.org>.

### UPCOMING MEETINGS IN 2007-2008

JUNE 5-9, 2007

**The 4<sup>th</sup> conference of the European Society for Environmental History (ESEH), entitled "Environmental Connections: Europe and the Wider World,"** will be held at the Vrije Universiteit, in Amsterdam, The Netherlands. For more information, e-mail ESEH2007secretary@let.vu.nl or check out the conference website at <http://www.let.vu.nl/conference/eseh/index.html>.

LATE AUGUST 2008

**The 6<sup>th</sup> ICAZ Bird Working Group (BWG) meeting** will be held at the Groningen Institute of Archaeology, Groningen University, The Netherlands. For additional information, contact Wietske Prummel (w.prummel@rug.nl). 



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**Poster Prize**  
**ICAZ 2006**

Poster prizes will be awarded at the ICAZ 2006 International Conference in México City in two categories: student and professional. First place winners in each category will receive **US\$500**; second place wins **US\$250**. See page 5 for details.

### ICAZ Executive Committee Members and ICAZ Officers

President: Melinda A. Zeder, USA (zeder.melinda@nmnh.si.edu)  
Vice-President: László Bartosiewicz, Hungary (h10459bar@ella.hu)  
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