



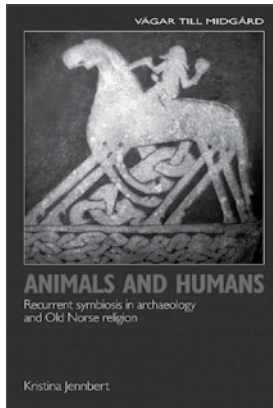
Newsletter

International Council for Archaeozoology

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NEW BOOKS

Animals and Humans: Recurrent Symbiosis in Archaeology and Old Norse Religion by Kristina Jennbert (2011). Nordic Academic Press, Lund [ISBN 978-91-85509-37-9]. Animals have always been an important part of human lives and worlds, and they stand out as significant forces in the Old Norse mythology, where they became imaginary creatures with strong characters. In *Animals and Humans* archaeologist Kristina Jennbert explores the relationship between animals and humans in Scandinavia from the Roman Iron Age to the Viking Period. Real animals and fantastical creatures in Midgard became mouthpieces for human characteristics and reflections of people's social position. Animals were of great importance in everyday life, in rituals, and as metaphors in social identity and power relations. In the course of time, however, human views have changed, and nature has increasingly been subjected by humans. Through her detailed analysis Jennbert raises questions about the boundary between human and animal, as well as about our ethical and moral precedence.



The Penn Museum is proud to announce a new book in its International Research Conference Series, *Sustainable Lifeways, Cultural Persistence in an Ever-Changing Environment*, edited by Naomi F. Miller, Katherine M. Moore, and Kathleen Ryan

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Share your latest news with ICAZ.
Send submissions to the
newsletter's new e-mail address:

ICAZnewsletter@gmail.com

ACTUALIZACIÓN DE SEPTIEMBRE 2011 EN EL BANCO DE IMÁGENES DE HUESOS MODIFICADOS DE ORIGEN ARQUEOLÓGICO

Contributed by Carlos A. Quintana, Mar del Plata

Hemos incorporado numerosas nuevas imágenes en varias secciones.

Alteraciones naturales:

Marcas de carnívoro (hoyos, "punctures"): en un fémur de ciervo, las cuales permiten observar claramente sus características clásicas como la superficie ósea hundida en la depresión y las contramarcas del otro lado del fémur.

Orificios de derméstidos: en huesos humanos. Estas tres imágenes fueron enviadas por Rosa María Di Donato, son ejemplos raros y muy interesantes de la actividad biológica de invertebrados. En estos casos, además de los orificios, fueron halladas las cámaras pupales.

Paleopatologías: en esta sección comenzamos a mostrar casos poco considerados en la bibliografía de patologías de fauna silvestre de sitios arqueológicos. El primer caso se trata de un caso extraordinario de artritis deformante de un puma. Los tres casos siguientes se trata de fracturas en fauna pequeña y microfauna: en clavícula de vizcacha, un ejemplo en fémur de un microroedor

muy llamativo por la alteración del ángulo del eje del hueso, y otro más en un fémur de un microroedor. Finalmente una rara patología posiblemente de origen artrósico, en los trocánteres de un fémur de un pequeño roedor cricétido.

Alteraciones Culturales:

En esta sección hemos abundado en imágenes de cortes de filos en diversas especies (vizcacha, coypo, caballo, vaca y lagarto). Entre las mismas se registran huellas de filos líticos y metálicos: Húmero de coypo, Metatarsiano de caballo, Vértebra de caballo (metal), Costilla de Bos, Corte en lagarto, Fémur de vizcacha, Omóplato de vizcacha, Mandíbula de vizcacha, Mandíbula de vizcacha, Pelvis de vizcacha, Falange de vizcacha, Maxilar de vizcacha, Metapodio de vizcacha, Pelvis de vizcacha, Esternón de vizcacha, Fémur de vizcacha. Ésta última imagen es un caso interesante debido a que presenta fractura antrópica, por lo que también está en la sección de Fracturas. Esperamos su participación.

<http://www.oseoalterado.com.ar/> 



MEMBERSHIP

To join ICAZ or renew your membership, visit the Membership section of the ICAZ Website at <http://www.alexandriaarchive.org/icaz>. Dues may be paid online or via post. Questions and inquiries may be e-mailed to the Treasurer, Pam Crabtree, at icaztreasurer@comcast.net.

NEWSLETTER

ICAZ welcomes submissions to its biannual newsletter. E-mail submissions to the editor, Angela Trentacoste, at ICAZnewsletter@gmail.com. The deadlines are April 15 for the spring issue and October 15 for the fall issue, annually. Past issues of the newsletter can be downloaded from the Publications section of the ICAZ Website (see address below).

ICAZ WEBSITE

Visit the official ICAZ Website at <http://www.alexandriaarchive.org/icaz> to stay up to date on all the latest information, including recent news, publications, ICAZ International Conferences, and Working Group meetings.

BONECOMMONS

BoneCommons (<http://www.alexandriaarchive.org/bonecommons>) is an ICAZ-sponsored project, developed by the Alexandria Archive Institute, to facilitate discussions between zooarchaeologists worldwide by offering forums where papers, ideas, images, questions, and comments can be posted.

WORKING GROUPS

ICAZ Working Groups (WG) are autonomous groups formed around common interest themes. For more information, visit the ICAZ Website or contact WG Liaison, Zbigniew Bochenski, at bochenski@isez.pan.krakow.pl.

CONTACT ICAZ

The names and e-mail addresses of the ICAZ Executive Committee members and officers are listed on the back of this newsletter.

LETTER FROM THE PRESIDENT

Dear ICAZ Members,

This year has already seen two successful working group meetings (10th ASWA in Belgium; 8th WBRG in Austria) and one more is still to come (16th FRWG in Israel). During the four years between the international general conferences, attendance at these specialist events is the most visible sign not only of working group activity, but also the intellectual continuity of ICAZ through the support of its dedicated individual members. Conference organizers in particular should be mentioned. They contribute their skills and precious time to fund-raising and running the working group meetings. However, the participants filling this framework with academic content also deserve praise for their efforts.

It is well known that working groups operating under the umbrella of ICAZ are autonomous and self-funding. Therefore the challenges they face in organizing meetings should not be underestimated. On the other hand, they are of a somewhat more manageable size than the large international conferences, and therefore usually several applicants are interested in organizing them.

In light of the declared aims of ICAZ and globalization, working groups as well as the entire organization face the increasing challenge of trying to provide equal physical access to meetings. This is a simple and straightforward principle which is, however, not easy to adhere to in a complex world in constant flux and with shrinking funding for travel to meetings. These difficulties have surfaced at meetings before and are not likely to disappear soon. On the positive side, they are a sign of the rich diversity of ICAZ members and the organization's potential to integrate this intellectual variability.

One of the problems is practical, to be precise, financial. With the spread of ICAZ events world-wide, a majority of members probably notice meeting to meeting that

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NEW MASTERS (MSc) IN OSTEOARCHAEOLOGY

The Department of Archaeology of the University of Sheffield (UK) will launch a new Masters (MSc) in Osteoarchaeology in the academic year 2012–13. The masters will combine training in both human and animal bones, two areas of teaching and research in which the University of Sheffield has a long-standing tradition. Like most Masters done in the UK, this is an intensive one year-long course, but it can also be taken part-time over two years. Should you be interested in this course please contact Umberto Albarella (u.albarella@sheffield.ac.uk) or Andrew Chamberlain (a.chamberlain@sheffield.ac.uk) or visit the website at: <http://shef.ac.uk/archaeology/prospectivpeg/masters/osteoarchaeology.html>.

ZOOARCH REACHES 1 000 MEMBERS!

In early December the ZOOARCH mailing list reached a milestone: 1,000 subscribed addresses! The list has come a long way since its inaugural day on the 30th of March 2000, when it counted as many as 20 members. Congratulations are due to ZOOARCH and its founders/administrators Umberto Albarella and Jacqui Mulville for eleven and half very productive years, and we hope that the zooarchaeology community will continue using the list as effectively as it has done so far. If you would like to subscribe to the list, manage your subscription, or review over a decade of zooarchaeological discussion visit ZOOARCH's Jiscmail homepage at: <https://www.jiscmail.ac.uk/cgi-bin/webadmin?A0=zooarch>

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attendance at conferences on other continents other than one's own is becoming difficult for many to keep up with. These difficulties can usually be overcome by compromises largely involving hosting such symposia in alternating regions, something that also benefits local research communities.

Another, more intricate challenge is posed by politically difficult situations, surfacing in the form of what is usually referred to as 'visa issues,' meaning diplomatic obstacles archaeozoologists face when trying to work between areas where there is state-level political animosity. Along with the welcome increase of ICAZ membership in several continents we need to think of colleagues in neighbouring countries who may have no chance to meet each other in person unless they find a third country that is equally welcoming to all parties. It must be noted, however, such situations are not homogeneous world-wide and there is always a possibility for positive change as well. The example of the 5th International Symposium of the ASWA organized at Yarmouk University in Irbid, Jordan in 2000 is an important precedent, at the time in bringing all regional experts together with no passport restrictions.

Undoubtedly, during crises, scholars in an increasing number of countries may be hit by travel restrictions as a result of local, bilateral conflicts. ICAZ as an academic organization is a body neither possessing nor representing the political expertise required to individually appraise delicate international situations. We must respect the common sense and wisdom of our members living in those areas. By default the organization is geared towards integrating scholars from countries with broadly

ranging political and cultural traditions.

It is therefore even more of a moral imperative to counter discrimination in the outside world by concentrating on matters that unify us rather than issues that potentially divide us. My personal impression is that most ICAZ members I talked to share this view, and while opinions may differ on how to fight the many faces of injustice in the world, we probably all agree on how to best foster cooperation in the international community of archaeologists. This is not moral relativism. It simply means that we need to focus our efforts in areas where we can best make a positive difference.

This is why access to meetings is also important. While traditional publications and various electronic media are powerful tools in the transmission of academic information, a network of real-life human contacts is fundamental in maintaining tolerant and constructive conduct in the face of crises, economic, political or moral alike.

Thus, our research will remain enabled to cross-cut geographical and disciplinary boundaries, further elucidating fascinating past relationships between humans and animals. After all, these relationships often serve as proxies for past human-human relationships as well.

Sincerely,



László Bartosiewicz
President, ICAZ 

WHERE IS THE ASWA HEADING?

*Contributed by Liora Kolska Horwitz,
The Hebrew University of Jerusalem, Israel*

The Archaeozoology of Southwest Asia (ASWA) Working Group was created as a forum where researchers working in Southwest Asia could meet, share information, help each other resolve problems, as well as hear about new finds. This group serves an important and unique function in providing a neutral setting for communication between researchers separated by political boundaries. This ideal was put to test by the 8th meeting held in 2008 in Abu Dhabi, where official visa regulations prevented the Israeli members of ASWA from attending. This meeting has set an unfortunate precedent in view of the political reality prevailing in the region at the present time. As such, the decision to hold the 10th ASWA meeting in Israel, can only serve to deepen the division between members as it too will contravene the main objectives of ASWA and ICAZ by restricting access and limiting communication between members. It should be borne in mind that ICAZ defines itself as "devoted to ... fostering communication among the international community of archaeozoologists" (ICAZ website) and has as one of its stated aims "to strengthen cooperation among archaeozoologists" (Article 2, 2.1.b- ICAZ Statutes).


ASWA is at a crossroad where it must decide if its policy is to unite or divide researchers. Certainly, researchers in

the region have every right to hold international meetings in their countries, but if this entails discrimination, should this be done under the auspices of ASWA?

I call upon all members of ASWA to uphold the principle of academic freedom by ensuring that the location of future meetings guarantees free access to all those who wish to attend, without discrimination based on nationality, religion or gender. Hopefully, this will ensure that ASWA will continue to serve the purpose for which it was founded, that is, a forum to promote communication between all researchers working in the region.

This spirit was captured by Melinda Zeder in her review of the 8th ASWA meeting when she wrote:

*"At a time when tensions in this region are particularly high, it was remarkable to see this congress of people come together to share the results of their work and eagerly listen to the results of others, to discuss, debate, dispute (sometimes)..."**

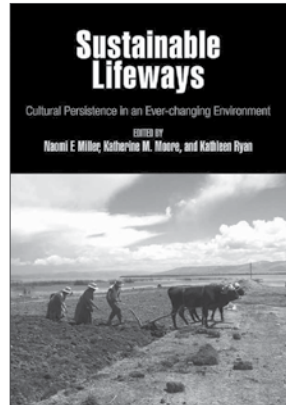
By fostering communication and personal contacts, ASWA may help to promote a better future for the region, rather than reflecting the present state of division and alienation. 

*Zeder M.A. 2006. *Paléorient* 32(1) 137-147.

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(2011). University of Pennsylvania Museum, Philadelphia [329 pages, index, 80 figures, 23 tables. ISBN 1-934536-19-9]. The original conference brought together anthropologists and archaeologists working on zooarchaeology, paleoethnobotany, and climatic data to examine the archaeological record of response to environmental change in four areas. An introductory chapter sets the stage of climate change on human time scales and the record of sustained occupations. Individual contributions examine the archaeological record of the Near East, East Africa, the Southwestern U.S. and the Andes in detail, showing variable responses to stressful conditions over the long run. <http://www.upenn.edu/pennpress/book/14819.html>


Environmental Archaeology, The Journal of Human Palaeoecology Special Issue: Recent Studies in Australian Palaeoecology and Zooarchaeology: A Volume in Honour of the Late Su Solomon edited by Jillian Garvey and Judith Field (2011, Volume 16, Issue 2) [ISSN 1461-4103].



Prédateurs dans tous leurs états: évolution, biodiversité, interactions, mythes, symboles édité par Jean-Philip Brugal, Armelle Gardeisen, Arnaud Zucker (2011). Actes des XXXIe Rencontres Internationales d'Archéologie et d'Histoire d'Antibes. Éditions APDCA, Antibes.

L'ambition de ce recueil d'archéozoologie, fruit de rencontres et d'échanges de chercheurs d'horizons variées, est d'offrir à la réflexion un ensemble d'études croisées et pluridisciplinaires sur la prédation et les prédateurs. Principalement centré sur des aspects archéologiques et historiques, il s'articule autour de trois thématiques majeures : compétition, représentation, appropriation. À partir de différents matériels (ostéologiques, technologiques, iconographiques, littéraires) et de « ter-


rains d'enquête » divers (géographiquement et chronologiquement), il aborde les principales problématiques historiques et culturelles liées à la prédation, souvent sous l'angle de l'interaction homme-animal. L'enjeu de ces enquêtes est à la fois d'interroger et d'élucider cette notion délicate, en mesurant l'impact de cette détermination profonde (un facteur à la fois alimentaire, biologique, écologique, évolutive et symbolique), et de permettre, à travers des analyses de situations particulières et des examens spécifiques, une meilleure compréhension globale et historique du « système de la prédation ». 

This collective volume on archaeozoology presents a set of multidisciplinary studies on predation and predators. It is the result of encounters and exchanges that took place among researches of diverse theoretical and methodological perspectives during the 31st Antibes Conference. Focused primarily on archaeological and historical aspects of the subject, the papers address three main themes: competition, representation, and appropriation. Using different kinds of evidence (osteological, technological, iconographic, literary), and based in geographically and chronologically diverse domains of analysis, the book explores the main issues linked to predation, generally within the framework of man-animal interactions. The purpose of these studies is to both question and illuminate this complicated term by evaluating the impact of this profound characteristic (which is simultaneously alimentary, biological, ecological, evolutionary, and symbolic). They are also intended to offer, through analysis of particular situations, a global historical perspective on the "predatory system." 

UNDERSTANDING ZOOARCHAEOLOGY SHORT COURSE

18th–20th April 2012, University of Sheffield, UK

The *Understanding Zooarchaeology* short course aims to introduce participants to the methods and theory of zooarchaeology, and is specifically designed for those with little or no previous experience of dealing with animal bones. It is an ideal starting point for archaeologists, museum curators, and other heritage professionals who come across animal bones and/or zooarchaeological reports in their professional capacity, and for students that want a firm basis for further training. Through three days of short lectures, discussions, and hands-on workshops, the course will provide practical experience in zooarchaeological methods and will promote an understanding of the potential and limitations of zooarchaeological evidence.

Tuition fees for the course are £150 (£100 unwaged, student, or retired). For more information about the course content, teaching team and social activities can be attained by e-mailing us at zooarchshortcourse@sheffield.ac.uk or by visiting our website: <http://www.sheffield.ac.uk/archaeology/research/zooarchaeology/short-course.html> 

ARCHAEOMALACOLOGY WORKING GROUP

<http://www.archaeomalacology.com/>

Contributed by Daniella E. Bar-Yosef Mayer (AMWG Liaison), Department of Maritime Civilizations, University of Haifa, Israel (baryosef@research.haifa.ac.il)

The Archaeomalacology Working Group (AMWG) website will soon move to a new server, and will be available at archaeomalacology.com. Once the website is up and running additional details will be provided.

The Third Independent Meeting of the AMWG will be held in Cairns, Queensland, Australia, from the 18th to 23rd of June 2012. It is being jointly organised by the University of Wollongong (Kat Szabo) and James Cook University (Sean Ulm). Preregistration will open by the end of October and details about the meeting will be located on the AMWG website. For any enquiries or further information, please contact Kat Szabo (kat@uow.edu.au or kat.szabo1@gmail.com).

ARCHAEZOLOGY OF SOUTHWEST ASIA AND ADJACENT AREAS WORKING GROUP

<http://www.alexandriaarchive.org/icaz/workaswa.htm>

Contributed by Marjan Mashkour (ASWA Liaison), Centre National de Recherche Scientifique and Muséum National d'Histoire Naturelle, Paris, France (mashkour@mnhn.fr)

The 10th International Meeting of the Archaeozoology of Southwest Asia Working Group (ASWA) was held in Brussels, from June 28th to June 30th, 2011, at the Royal Belgian Institute of Natural Sciences. There were about 60 participants, representing more than 15 different nationalities. The proceedings of the meeting will be published in the *Ancient Near Eastern Studies Supplement Series* (Peeters Press, Leuven). The ASWA meeting was followed on July 1st by a workshop on animal exploitation in Neolithic Central and Western Anatolia. For information on the meeting visit: <http://www.naturalsciences.be/science/aswa2011>

The 11th International Meeting of the ASWA Working Group will be held at the University of Haifa, Israel in 2013. During the meeting we will conduct excursions to nearby world heritage sites and visits to protected wildlife reservations. We will hold a two-week workshop on Levantine zooarchaeology for graduate students prior to the meeting in mid-June. For information contact Guy Bar-Oz (guybar@research.haifa.ac.il).

The ASWA Working Group website is currently under reconfiguration. Previous ASWA Working Group publications will be available online through the webpage.

Figure 1 Countries and topics represented at the FRWG's Fish and Fishing meeting

Topic	Western Europe	Asia/Near East	Eastern Europe	Latin America	Africa	North America	Total
Method	21	7		2	1	1	32
Sites	8	4	6	5		1	24
Taxonomy		1	1	1	2		5
Total	29	12	7	8	3	2	61

FISH REMAINS WORKING GROUP

<http://www.cs.otago.ac.nz/research/foss/ICAZ/icaz.htm>

Contributed by László Bartosiewicz (FRWG Liaison), Department of Archaeometry, Institute of Archaeological Sciences, Loránd Eötvös University, Hungary (bartwicz@yahoo.com)

The 16th Conference of the ICAZ Fish Remains Working Group (FRWG) was organized by Irit Zohar and her dedicated team in Israel between 23–30 October 2011. It was held in the format of a Joint Research Workshop between the Hebrew University, Jerusalem, and the University of Haifa, and was generously sponsored by the Institute for Advanced Studies and the Israel Science Foundation. Field trips included visits to Mediterranean and Red Sea fisheries and the Dolphin Reef in Eilat. The conference was yet another example of invariably successful FRWG meetings.

The meeting was titled 'Fish and Fishing: Archaeological, Anthropological, Taphonomical, and Ecological Perspectives.' The 61 presentations included a dozen posters and could be roughly sub-divided into those presented in Figure 1.

From a geographical point of view half of the contributions were related to Western Europe. The next best represented group was Asia, especially the Near East, discussed in almost one quarter of the papers. Among these several presented research in the host country, Israel, illustrating the significance of conferences in providing international exposure to local research communities. Submissions treating Eastern Europe and Latin America (combined) made up another quarter of the topics. An important difference between these two groups is that while the strong tradition of archaeozoology is dwindling in many East and Central European countries, several regions in Latin America have shown an impressive growth in this field, illustrated by the recent international activity in the form of ICAZ events (two FRWG meetings and an International Conference already took place in Latin America). Moreover the late Óscar Polaco was commemorated by a special session at this meeting discussing advances in Neotropical ichthyoarchaeology. North America was underrepresented in the program, while a few contributions discussing fish remains from China and Africa seem to be marking a welcome new trend.

Looking at the gross subdivision of papers by contents into categories of 'methodological,' 'site oriented,' and 'taxonomic' the geographical patterning can be further refined. Half of the papers were dedicated to some aspect of methodology: specialist meetings serve as *fora* for the critical discussion of new approaches to old problems. Due to strong representation, and in some cases better access to technically advanced solutions, Western Europe was in the forefront of papers written with an emphasis on method. The majority of papers originating in the Near East were also devoted to methodological issues. The next largest thematic group was that of the 24 contributions primarily concerned with site reports or their

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syntheses. Such studies were more or less evenly divided between both halves of Europe, Latin America and the Near East showing the best international cross-section of the conference. A small but important contingent of presentations was dedicated to significant but possibly less fashionable taxonomic problems. A remarkably large number of contributions were co-authored showing both the increasingly multidisciplinary nature of ichthyoarchaeological research and the cooperative spirit of working group members.

Irit's last fundraising effort for the conference will be finding financial support for the publication of these papers as a special supplement to the journal *Archaeofauna* in cooperation with Arturo Morales.

During the general session of the conference participants present discussed the next conference venue. The 17th Conference of the FRWG will be organized by Lembi Lõugas in Tallinn, Estonia, in the second half of September 2013.

Having attended FRWG meetings since 1987 – for the time span of a human generation – I found the visibly high number of young scholars at this conference especially heartwarming. Many of them were delegated by their advisors, who had been long-standing members. The FRWG was established as the first working group of ICAZ with a track record of openness and exemplary cooperation. It is very important that members of the new generation be socialized in this caring, non-competitive atmosphere that has made the FRWG a model for the most successful ICAZ working groups. In addition to their hard work on the logistics of the meeting, the organizers are to be congratulated for having carried on this valuable tradition.

GRUPO ZOOARQUEOLOGÍA DE CAMÉLIDOS

<http://www.alexandriaarchive.org/ica/workgzc.htm>

Contributed by Dr. Guillermo Luis Mengoni Goñalons (GZC Liaison), Instituto de Arqueología, Universidad de Buenos Aires, Buenos Aires, Argentina (wmengoni@yahoo.com.ar)

The papers presented at the *Mesa Redonda* (round table) on South American camelids held at the I Congreso Nacional de Zooarqueología Argentina (2008, Malargue) have just been published in the volume titled *Zooarqueología a principios del siglo XXI: aportes teóricos, metodológicos y casos de estudio* (Zooarchaeology at the Beginnings of the XXIth Century: Theoretical and Methodological Contributions), edited by M. De Nigris, P. Fernández, M. Giardina, M. Gutiérrez, A. Gil, A. Izeta, G. Neme and H.D. Yacobaccio (2010, Ediciones del Espinillo, Buenos Aires). The articles cover different research subjects, such as osteometry (J. Grant; A.D. Izeta; G.L. L'Heureux; H.D. Yacobaccio), stable isotopes (H.D. Yacobaccio, C.T. Samec and M.P. Catá), fibre (M.C. Reigadas), dung and diet (C. Yagueddú and M.O. Arriaga), and contextual analysis (I. Cartajena, V. Trejo and L. Sanhueza).

Recently a symposium on South American camelids was organized during the II Congreso Nacional de Zooarqueología Argentina that took place between the 10th–14th May 2011 at the Facultad de Ciencias Sociales of the Universidad Nacional del Centro de la Provincia de Buenos Aires at Olavarría, Buenos Aires province, Argentina. Its theme was “Camélidos Sudamericanos: diversidad, espacio y tiempo” and was coordinated by Guillermo L. Mengoni Goñalons and Hugo D. Yacobaccio (Grupo Zooarqueología de Camélidos) from the Instituto de Arqueología, Facultad de Filosofía y Letras, UBA y CONICET.

A total of 20 oral presentations ranged from methodologi-

cal approaches to diversity and included: osteometry (L.M. del Papa, L.J.M. De Santis and J. Togo; L. Frascina, P. Lobbia, A. Marozzi, M. Mondini, A.S. Muñoz and A. Preto), osteopathology (G.A. Flensburg and C.A. Kaufmann), skeletal morphology (G.L. L'Heureux), and feces (N.J. Velázquez and L.S. Burry). Another set of presentations was dedicated to hunter-gatherers and transitional societies (M.C. Álvarez and A.P. Alcaráz; G. López; F. Santiago, B. Colasurdo and M. Salemme) and to Formative and Late Period andean societies (M.A. Benavente and I. Cartajena; I. Cartajena, P. López and L. Núñez; M. Dantas, G.G. Figueroa and A. Laguens; M. De Nigris and N. Ratto; N. Goepfert; E. Moreno and M. Quesada; J. Grant and E. DeMarrais; R. Labarca Encina and E. Calás Pérsico; S.M.L. López Campeny; Juan Maryański; P.H. Mercolli and A.E. Nielsen; P.A. Valda).

NEOTROPICAL ZOOARCHAEOLOGY WORKING GROUP

<http://www.alexandriaarchive.org/bonecommons/exhibits/show/nzwwg>

Contributed by Mariana Mondini (NZWG Liaison), Laboratorio de Zooarqueología y Tafonomía de Zonas Áridas (LaZTA), Museo de Antropología UNC-CONICET, Córdoba, Argentina (mmondini@filo.uba.ar)

A year after its initial meeting in Paris, the ICAZ Neotropical Zooarchaeology Working Group (NZWG) has now more than 70 members and keeps growing! A newsletter is being issued a couple of times a year to keep in touch and spread any news, and Number 2 has just been published.

The First Academic Meeting of the NZWG will be held in Santiago de Chile on June 1st, 2012, right after the II Encuentro Latinoamericano de Zooarqueología (II ELAZ, Santiago de Chile, May 29–31, 2012). It will be a one-day workshop on the issue, “Towards a Zooarchaeology of the Neotropics.” The first circular has just been issued.

Also an open-access Neotropical Zooarchaeology Bibliographic Database is being assembled and is available (under construction) at: <http://www.alexandriaarchive.org/bonecommons/items/show/1773>. It includes bibliographic references and also some of the most recent publications. We look forward to your contributions, so as to achieve a database that is representative and useful to all researchers in the Neotropical region.

All interested researchers and students working on Neotropical regions are welcome to join the working group. To join the NZWG, contribute to the Bibliographic Database, or receive the newsletter, the circular or any other information, just contact the coordinators or check the NZWG web site at: <http://www.alexandriaarchive.org/bonecommons/exhibits/show/nzwwg>. We look forward to your participation!

NORTH ATLANTIC BIOCULTURAL ORGANIZATION ZOOARCHAEOLOGY WORKING GROUP

<http://www.nabohome.org>

Contributed by Tom McGovern, The City University of New York (CUNY), Human Ecodynamics Research Center, New York, USA (nabo@voicenet.com)

In 2011 the NABO (North Atlantic Biocultural Organization) research cooperative sponsored a final season of field and laboratory collaboration in Iceland and Greenland under the

International Polar Year project (with much gratitude to funding agencies allowing us to continue past the official end of the IPY). Field reports and a growing set of zooarchaeology laboratory reports are available as pdf downloads from www.nabohome.org. The IPY effort saw major new archaeofauna excavated using a common recording and recovery strategy from stratified sites dating from the Viking Age to Early Modern periods and much work to integrate sites with landscape survey and environmental modeling. NABO teams have also cooperated closely in 2011 with the new Global Human Ecodynamics Alliance (GHEA, www.gheahome.org) group, particularly with the Knowledge Sharing and Data Archiving Working Group, the Coastal Erosion Working Group and the Sustainability Education and Community Engagement Working Group. As part of a new US NSF Science, Engineering, and Education for Sustainability GHEA Research Coordination Network grant 2012–16, the NABO/GHEA data teams are collaborating to join the Google Earth based NABO Project Management System with the Digital Antiquity group at Arizona State University and their tDAR project (<http://www.tdar.org/>) to upload and archive zooarchaeological data sets. The coastal erosion group has pooled resources, students, and staff in 2011 to collaborate in rescue excavations of bone-rich sites in immediate danger from rising sea levels in Barbuda (archaic shell midden), Iceland (two early fishing centers at Gufuskálar and Siglunes) and Rousay Orkney (Bronze Age to Medieval) through cooperation between NABO and Antigua and Barbuda Parks Authority, Institute of Archaeological, Iceland, Icelandic National Parks, Icelandic Heritage Protection Agency, Bradford University and Orkney College. Further collaborators and potential projects are most welcome!

Partly due to the activities above, the NABO ICAZ North Atlantic Zooarchaeology special volume aimed at *Journal of the North Atlantic* (JONA) has slipped in production dates, but anyone interested can still submit their abstract in JONA format by December 1, 2011 and we will include you in the package, with finished ms for reviewers due May 1, 2012.

TAPHONOMY WORKING GROUP

<http://www.alexandriaarchive.org/icaz/worktaphonomy.htm>

Contributed by Ana Belén Marín (TWG Liaison), Centre for Human Evolutionary Studies, University of Cambridge, UK (abm38@cam.ac.uk)

The Taphonomy Working Group (TWG) has just published the proceedings of its first meeting, held at the ICAZ conference in Paris in August 2011. The proceedings are published as a special issue of the *International Journal of Osteoarchaeology* that is now available to view online. The issue comprises nine research papers covering some of the wide-ranging aspects of taphonomic research that were presented during the successful ‘New Perspectives on Taphonomy’ session. The guest editors of this issue are Ana B. Marín-Arroyo, Richard Madgwick, Jean-Phillip Brugal and Marta Moreno-García. Papers included in the issue are as follows:

1) “New Perspectives on Taphonomy” by A.B. Marín-Arroyo, R. Madgwick, J-P. Brugal and M. Moreno-García, 2) “Investigating Variation in the Prevalence of Weathering in Faunal Assemblages in the UK: A Multivariate Statistical Approach” by R. Madgwick and J. Mulville, 3) “Differential Bone Survivorship and Ontogenetic Development” in Guanaco (*Lama guanicoe*) by M.E. González, M.C. Álvarez, A. Massigoge, M.A. Gutiérrez and C.A. Kaufmann, 4) “What Happened Here? Bone Histology as a Tool in Decoding the Postmortem Histories of Archaeological Bone from

Castricum, The Netherlands” by H.I. Hollund, M.M.E. Jans, M.J. Collins, H. Kars, I. Joosten and S.M. Kars, 5) “Morphometrical Analysis on Cut Marks Using a 3D Digital Microscope” by F. Boschin and J. Crezzini, 6) “Distinguishing Bearded Vulture Activities within Archaeological Contexts: Identification Guidelines” by A.B. Marín-Arroyo and A. Margalida, 7) “Feeding the Foxes: An Experimental Study to Assess their Taphonomic Signature on Leporid Remains” by L. Lloveras, M. Moreno-García and J. Nadal, 8) “Middle Palaeolithic Cave Taphonomy: Discerning Humans from Hyenas at Arcy-sur-Cure, France” by J.G. Enloe, 9) “*Chaetophractus villosus*: A Disturbing Agent for Archaeological Contexts” by R. Frontini and P. Escosteguy, 10) “Taphonomic Analysis of Amphibian and Squamate Remains from El Harhoura 2 (Rabat-Témara, Morocco): Contributions to Palaeoecological and Archaeological Interpretations” by E. Stoetzel, C. Denys, S. Bailon, M.A. El Hajraoui and R. Nespoulet.

If you would like to join the ICAZ Taphonomy Working Group, please contact Ana Belén Marín (abm38@cam.ac.uk).

WORKED BONE RESEARCH GROUP

<http://www.wbrg.net>

Contributed by Alice M. Choyke (WBRG Liaison), Aquincum Museum/ Department of Medieval Studies, Central European University, Budapest, Hungary (choyke@ceu.hu)

The 8th meeting of the Worked Bone Research Group (WBRG) was held in Salzburg in Austria, hosted by the Department of Classics of the University of Salzburg between August 29 and September 3, 2011. It was organized by Dr. Felix Lang. There were 36 registered participants in attendance from 15 countries, including Austria (7), Bulgaria (1), China (2), Estonia (1), France (3), Germany (2), Hungary (4), the Netherlands (1), New Zealand (2), Poland (4), Romania (1), Serbia (1), Spain (3), Switzerland (3) and UK (1).

A total of 25 papers were presented along with 10 posters (7 of which were presented by the authors during the poster session). There were two mid-session breaks, first to the Cathedral Excavations Museum and the Kelten Museum in Hallein, about 30 minutes from Salzburg. There was also a truly wonderful post-conference excursion to the World Heritage site complex of Hallstatt to see the Middle Bronze Age Salt Mine excavations.

The next meeting will be take place in Zhengzhou in Henan Province, Central China. Xiaolin Ma will organize the meeting. The conference will be hosted by the Henan Administration of Cultural Heritage and the Henan Provincial Institute of Cultural Relics and Archaeology of which Xiolin Ma is the Deputy Director. The conference will be scheduled to last 5–6 days including registration, presentation, poster session and excursions. The post-conference excursion will be to the Historical Architecture Groups in Dengfeng City (World Cultural Heritage Site, listed in 2010) including the Shaolin Temple, the Songyuesi Tower as well as the Longmen Grottoes (World Cultural Heritage listed in 2000). The organizer has offered to pay for the expenses of food and the excursion to help ameliorate the costs for participants.

This is the first time the WBRG group has made the decision to leave Europe. We embrace the opportunity to leave our ‘comfort zone’ and explore the many different and unexpected ways worked osseous objects were produced and used elsewhere in the world. Informal discussions with people seem to indicate that as a ‘international’ group we should really try to institutionalize regular

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meetings outside Europe. Suggestions have been made that every third or fourth meeting should be held on different continents. This schedule also recognizes the fact that historically much of the work on bone tools in the world still takes place in Europe. At the same time, the new schedule will give people outside Europe a chance to introduce research activities in their part of the world to an international audience. China is a wonderful first attempt in this direction. I urge all of you to seriously start saving for the trip right now and remind you that where there is a will there is (most often) a way! The date proposed for the meeting is mid-April 2013 to avoid high season travel and seasonal heat.


The next meeting after China will again be in Europe. Selena Vitezović has volunteered to host this meeting in Beograd, Serbia in late August/early September 2015. Details will be forthcoming. The last published volume of the WBRG (Wroclaw) is now out both in hard copy, on the University of Wroclaw website as individual PDFs and the whole book, and as individual articles on the WBRG website.


The WBRG website is really taking shape now. Many, many thanks to the terrific effort put in by Hans-Christian Küchelmann to bring this dream into a handsome reality. All this would not have been possible without the spiritual and financial support of Jörg Schibler (IPNA – Institut für Prähistorische und Naturwissenschaftliche Archäologie Universität, Basel, Switzerland). The reference database on worked bone literature is now installed on the website at <http://www.wbrg.net/biblio/>. People who wish to enlarge the bibliography of what has been published in the field are encouraged to get in touch with Christian to get access to the

Other publications from WBRG conferences

Jörg Schibler (ed.) (in preparation) *Bone, Antler, Teeth. Raw Material for Tool Production in Prehistoric and Historic Periods*. Proceedings of the 3rd meeting of the (ICAZ) Worked Bone Research Group. Basel (August, 4–8 September 2001). Internationale Archäologie Arbeitsgemeinschaft/ International Archaeology Symposium, Tagung, Kongress, Vol. Verlag Maria Leidorf GmbH, Rahden/Westf.

Petar Zidarov (ed.) (in preparation). Petar told us during the conference that he plans to also to publish proceedings for the Veliki Turnovo meeting in Bulgaria. (5th meeting of WBRG) in British Archaeological Reports (BAR), International Series. He has given contributors a chance to update their contributions and hopes to send the volume in for printing in 2012.

Justyn Baron and Bernadetta Kufel-Diakowska (eds.) to be published soon in 2011. *Written in Bones, Studies on Technological and Social Context of Past Faunal Skeletal Remains*. Wrocław, Instytut Archeologii Uniwersytet Wrocławski. An online version will be available. 

database in order to fill in their bibliographic references. Finally, Selena Vitezović has agreed to manage the website section on typology systems used by our members. 

NEWS AND NOTES – CONFERENCES

Taller de Arqueología del NOA:

“Poblaciones humanas y ambientes durante el Holoceno medio” Córdoba, Argentina, 1 y 2 de agosto de 2011

The Workshop on Archaeology in northwest Argentina, “Human Populations and Environments during the Middle Holocene” was held in Córdoba, Argentina, last August. Several presentations included zooarchaeological research relevant to this arid period in the South-Central Andes. Summary papers (in Spanish) can be found in:

Mondini, M., J.G. Martínez, H.J. Muscio, and M.B. Marconetto (eds.), 2011. *Poblaciones Humanas y Ambientes en el Noroeste Argentino durante el Holoceno Medio*. Taller de Arqueología, Córdoba [124 pp., ISBN 978-987-27025-0-2].

An online version can be found at:

<https://sites.google.com/site/tallerarquenoa/publicacion-del-taller>

If you would like to get a printed copy for your institution (for free), please contact: TallerArqNOA@gmail.com

A definite version of the papers is to be published in *Quaternary International* next year.

Call for Papers: Association for Environmental Archaeology Spring Conference

The Spring 2012 meeting of the Association for Environmental Archaeology will be hosted at the University of Plymouth, UK. The meeting will be primarily a student conference and abstracts for oral and poster presentations are welcomed from all sub-dis-

ciplines of environmental archaeology. A significant number of papers are expected from zooarchaeologists. Presentations from students and early career researchers are particularly welcomed, and attendance is also encouraged for established professionals and academics. The deadline for abstract submission is 17th February 2012. Further information concerning registration will be circulated in due course in our February newsletter and via the AEA webpage (www.envarch.net) and email lists.

Meanwhile if you have any queries or require further information please contact Marta Perez (marta.perez@plymouth.ac.uk).

8th Annual Stanley J. Olsen Memorial, Eagle Lake Zooarchaeology Conference

The 8th Annual Stanley J. Olsen Memorial, Eagle Lake Zooarchaeology Conference will be held at Eagle Lake Field Station in northeastern California, USA. Zooarchaeology professionals and students are invited to present 30–40 minute papers, followed by 10–20 minutes of question and answers intended to create substantive, field advancing dialogue. The conference will be held the weekend of July 22–24, 2011. This year’s theme is “Zooarchaeology and Ecology: A Match Made in Heaven.” For additional information, contact the organizers: Deanna Grimstead (dng@email.arizona.edu) or Kelly Beck (raymond.beck@anthro.utah.edu) or check out the conference website at: <http://www.csuchico.edu/~fbayham/zooarch.htm>.

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SHEFFIELD ZOOARCHAEOLOGY LABORATORY

Work has continued apace at the Zooarchaeology lab in Sheffield during 2011. Demand for our short course, *Understanding Zooarchaeology*, has been such that we were able to offer the course three times during 2011. We welcomed participants from a number of UK institutions, as well as international participants from a host of countries including Belgium, Spain, Italy, Poland, Romania, France, Portugal, Turkey, and the US, to learn about zooarchaeological techniques and applications. Feedback was very positive and we look forward to keeping in touch with some of the people we were fortunate enough to meet.

Congratulations to Hannah Russ who was awarded a University of Sheffield Research and Innovation Grant to set up her initiative *Skelecycle*. Hannah recognized that many museums have collections of reference material and archaeological animal bone that they have no space for. *Skelecycle* aims to build links between these museums and universities that could make use of unwanted skeletons for teaching or reference material. Although in its infancy, the scheme has already enhanced our reference collection at Sheffield, and

provided us with some rare specimens.

Claudia Minniti, Kim Vickers, Andy Hammon and Umberto Albarella have all been working on animal bones from the Iron Age/Roman period site of Owlsebury, near Winchester, UK. The assemblage is being studied as part of a Marie Curie funded project focused on animal husbandry at the Iron Age/Roman transition in Britain and Italy. Strontium isotope analysis of cattle teeth from Owlsebury was carried out in collaboration with Jane Evans (NIGL) during the summer, and is starting to produce exciting information about cattle movement during the Iron Age and Roman periods. Silvia Valenzuela Lamas will also be joining the team this fall as part of the Marie Curie funded project “Cultural change and husbandry development in Europe: Zooarchaeological evidence from the Iron Age – Roman transition in Iberia and Britain.”


Visiting Researcher Lenny Salvagno and Sarah Viner have been working on an assemblage from Greenwich High Road, London, UK. Excavations in 2008 revealed part of a large drain that was constructed entirely of cattle horn cores. The work aimed to determine whether any informa-



Participants at our second zooarchaeology short course, April 2011.

tion could be gathered about the type of animals used in the tanning industry of post-medieval London. Lenny will present some of her findings at the AEA conference in Amsterdam during October.


In January 2012 Hannah Russ will travel to Qatar in her role as zooarchaeologist on the Qatar Islamic Archaeology and Heritage Project. She will be working at the site of Ruwaydhah where her research will focus primarily on fish remains.

Finally, Angela Trentacoste, Lizzie Wright and Beatrice Bertini-Vacca are all working hard on their PhD research, and we are pleased to welcome a new researcher to the team, George Katzantzis, who will spend the first few months of his PhD collecting data in Greece. 

CONFERENCES (CONT.)

Continued from page 8

**The Southern Anthropological Society's 47th Annual Meeting
Birmingham, Alabama, March 14–17, 2012**

Conference Theme: Peace, Justice, and the Environment (From an Anthropological Perspective). Abstract Deadline: December 15, 2011. The conference is hosted by Anthro-Teach and UAB. Accommodations will be at the Sheraton Hotel in Birmingham, Alabama; book your room by February 13, 2012, before 5 p.m. to receive the special conference rate. The Keynote Speaker is Beth Conklin, Professor of Anthropology and Religious Studies at Vanderbilt University. For information please contact the Program Chair, Lori Cormier (lcormier@uab.edu) or the Local Arrangements Coordinator, Sharyn Jones (sharynj@uab.edu). 

**ICAZ INTERNATIONAL COMMITTEE
MEETS IN ISTANBUL OCTOBER 4–7, 2012**

The biennial business meeting of the ICAZ International Committee and the business meeting of the executive committee will be held at the Koç University Research Center for Anatolian Civilizations (<http://rcac.ku.edu.tr/>) in Istanbul, Turkey. The business meeting will be followed by a one-day scientific meeting (October 6, Saturday) entitled *World Archaeozoology Today: International Approaches to Common Problems*. For information, e-mail: cakirlarc@si.edu

NEWS AND NOTES – MEMBERS

Ana Belén Marín has been appointed Charles and Katherine Darwin Research Fellow at Darwin College, University of Cambridge, from October 2011 for three years. She is currently British Academy Postdoctoral Research Fellow at the Leverhulme Centre for Human Evolutionary Studies. Her research is focused on the adaptive skills of Neanderthals and resource competition with modern humans and carnivores in the Balkans and the Iberian Peninsula. The McDonald Institute for Archaeological Research at Cambridge is also funding her research.

Zlatozar Boev has recently be involved with the examination of the avian remains from two Neolithic settlements in southeast Bulgaria. The first is near Sarnevo village (ca. 5400 BC, Stara Zagora Region), and the second is near Hadzhidimovo village (ca. 5200–5000 BC, Yambol Region).



ICAZ TREASURER'S REPORT

Contributed by Pam Crabtree,
ICAZ Treasurer, 15 October 2011

This is a brief report to let the membership know the state of the ICAZ finances as of October 15, 2011. As you can see from the attached chart, ICAZ had a small number of expenses since last year. Most were associated with the production of the newsletter and the maintenance of the website. We also had some bank fees for the Euro account which had not shown up at the time of the Treasurer's report last year.


I am delighted to report that the 2010 conference chairs returned the full \$15,000 (minus \$23 for bank charges) that ICAZ had advanced them for conference expenses. Many, many thanks to all the organizers for such a successful outcome. Our other revenues included a small number of new and renewal memberships. Our current account balance is \$57,110.25. As of October 15, 2011, our current membership is 527 members from 59 countries. 

Table 1 ICAZ Financial Status

ICAZ Accounts	Balances Oct 2010	Balances Oct 2011	USD Equivalent
USD – Sovereign	\$ 5,036.97	\$ 20,953.15	\$ 20,953.15
USD – NatWest	\$ 24,828.63	\$ 22,106.41	\$ 22,106.41
Sterling – NatWest	£ 4,450.16	£ 4,487.35	\$ 7,065.43
Euro – NatWest	€ 5,138.33	€ 5,066.82	\$ 6,985.26
	\$ 43,992.05		\$ 57,110.25

Table 2 Expenses and income since last year for each account

USD – Sovereign		
Expenses	(\$ 420.52)	Newsletter
Additions	\$ 14,977.00	ICAZ Conference
	\$ 1,339.60	Dues

USD – NatWest		
Expenses	(\$ 988.00)	Website
	(\$ 732.22)	Newsletter

Euro – NatWest		
Expenses	(€ 71.18)	Bank Fees

Sterling – NatWest		
Additions	£ 37.19	Dues

12TH ICAZ INTERNATIONAL CONFERENCE

San Rafael (Mendoza), Argentina at the
Museo de Historia Natural de San Rafael
22–27th September 2014



For information contact:
icaz2014@yahoo.com.ar

Check out

Bone Commons

[http://alexandriaarchive.org/
bonecommons/](http://alexandriaarchive.org/bonecommons/)

Offering the ICAZ community:
Open access zooarchaeological content
Easy contribution (no log-in)
A place to self-archive publications
Zooarchaeology-related data search
ICAZ Working Group spaces
A link and citation for each item

Including the ICAZ 2010
Conference collection with 763 abstracts
of papers and posters presented at the
ICAZ 2010 International Conference
in Paris (August 23-28, 2010).

DECEMBER 14–16, 2011

Negotiating Coasts and Islands: Landscape and Environmental Perspectives and Past Mobilities sessions at the 33rd Meeting of the Theoretical Archaeology Group (TAG) in Birmingham, Great Britain.

contact: LawMJ@cardiff.ac.uk
http://centraltag.wordpress.com

UPCOMING IN 2012

MARCH 14-17, 2012

The **Southern Anthropological Society's 47th Annual Meeting** will meet in Birmingham, Alabama. The conference theme is **Peace, Justice, and the Environment (From an Anthropological Perspective)**.
contact: Lori Cormier (lcormier@uab.edu) or Sharyn Jones (sharynj@uab.edu)
http://southernanthro.org/home/annual-meeting/

MARCH 24–25, 2012

Subsistence & Animals session will be held at the conference **Where The Wild Things Are: Recent Advances in Palaeolithic and Mesolithic Research** at the University of Durham, Great Britain.
http://www.wildthingsconference.com

APRIL 18–22, 2012

Beyond Domestication: The Human/Dog Relationship, Raw Material Perspectives on Technological Choice and Change, and Zooarchaeology of Coastal Mesolithic sessions will be held at the Society for American Archaeology (SAA) Annual Meeting in Memphis, Tennessee, USA
contact: a.r.perri@dur.ac.uk and amy.margaris@oberlin.edu
http://www.saa.org/AbouttheSociety/AnnualMeeting/tabid/138/Default.aspx

APRIL 30–MAY 05, 2012

A session **Bioarchaeology in the Ancient Near East** will be held at the **8th International Congress on the Archaeology of the Ancient Near East (ICAANE)** in Warsaw, Poland.
contact: k.o.lorentz@cyi.ac.cy
http://www.8icaane.org



MAY 14–16, 2012

Early Farmers: The view from Archaeology and Science conference to be held at Cardiff University, Great Britain.

contact: bicklepf@CF.AC.UK
http://www.cardiff.ac.uk/share/newsandevents/events/archaeology/early-farmers-the-view-from-arch-and-science.html

MAY 29–31, 2012

II Encuentro Latinoamericano de Zooarqueología (ELAZ) in Santiago, Chile.

JUNE 1, 2012

Towards a Zooarchaeology of the Neotropics, the first meeting of the **ICAZ Neotropical Zooarchaeology Working Group (NZWG)**, will be held in Santiago de Chile at the Universidad de Chile.
contact: mmondini@FILO.UBA.AR
http://www.alexandriaarchive.org/bone-commons/exhibits/show/nzgw

JUNE 18–23, 2012

The Third Independent Meeting of the **Archaeomalacology Working Group (AMWG)** will be held in Cairns, Queensland, Australia.
contact: Kat Szabo (kat@uow.edu.au or kat.szabo1@gmail.com)
http://www.archaeomalacology.com/

JUNE 28–30, 2012

The **Human/Animal** symposium of the **International Medieval Society (IMS)** will be held in Paris, France.
http://ims-paris.org

JULY 20-22, 2012

The 8th Annual **Stanley J. Olsen Memorial, Eagle Lake Zooarchaeology Conference** will be held at Eagle Lake Field

Station in northeastern California, USA. This year's theme is, **Zooarchaeology and Ecology: A Match Made in Heaven.**

contact: Deanna Grimstead (dng@email.arizona.edu) or Kelly Beck (raymond.beck@anthro.utah.edu)
http://www.csuchico.edu/~fbayham/zooarch.htm.

AUGUST 27–SEPTEMBER 1, 2012

The **7th Meeting of the ICAZ Bird Working Group (BWG)** will be held at Alexandru Ioan Cuza University of Iași, Romania. There will be three days of presentations plus a trip of one/two days to the Moldavia region/Danube Delta. The call for papers and registration form will be found in BoneCommons.

contact: lumib@uaic.ro
http://www.alexandriaarchive.org/icaz/workbird.htm

OCTOBER 4–7, 2012

The biennial business meeting of the **ICAZ International Committee and Executive Committee** will be held at the Koç University Research Center for Anatolian Civilizations in Istanbul, Turkey. The meeting will be followed by a one-day scientific meeting (October 6, Saturday) entitled **World Archaeozoology Today: International Approaches to Common Problems.**

contact: cakirlarc@si.edu
http://rcac.ku.edu.tr/

NOVEMBER 10, 2012

Use-Wear 2012, the International Conference on Use-Wear Analysis will be held in Faro, Portugal.

contact: marinaevora@sapo.pt
http://www.usewear2012.com

ICAZ EXECUTIVE COMMITTEE MEMBERS AND OFFICERS

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Vice-President: Joaquín Arroyo-Cabrales, México (arromatu5@yahoo.com.mx)
Secretary: Umberto Albarella, UK (u.albarella@sheffield.ac.uk)
Treasurer: Pam Crabtree, USA (pc4@nyu.edu)
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