This issue of the newsletter contains updates from the various ICAZ committees on the work they have been carrying out on behalf of the membership, including reports of the ICAZ 2018 conference that took place in Ankara in August. The membership has also provided conference reports and laboratory updates.

There are various working group meetings planned for 2019, so there is plenty to do post-Ankara. We are also delighted to announce a new working group: Zooarchaeology of the Modern Era Working Group (ZMEWG). See Working Group Reports for further details, or go to https://www.alexandriaarchive.org/icaz/workmodernera.

Please do share your laboratory and research news with us all, so that the membership is aware of all the great work being carried out by the zooarchaeology community around the world.
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About the Newsletter
ICAZ welcomes submissions to its bi-annual Newsletter. Submissions can be emailed to the editor, Eva Fairnell; the deadlines for copy are 15 May and 15 November. Past issues of the Newsletter can be downloaded from the Publications section of the ICAZ website, http://www.alexandriaarchive.org/icaz.

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http://www.philological.bham.ac.uk/hosp/market.gif

ICAZ Newsletter 19:2
2018 was a busy year for ICAZ! I’d like to thank everyone who dedicated time and effort to one or more of the many ICAZ-related events and activities this past year. Whether these activities are shared ‘officially’ on the ICAZ website, via an email list, or on social media, all work to raise awareness of the vibrant research being done in archaeozoology worldwide. Based on your Facebook posts, it looks like zooarchaeologists take every available opportunity to meet up and have fun, as well! Looking ahead, check the Calendar section of the Newsletter to see all the many opportunities to present your work and engage with others at conferences and workshops around the world.

I am happy to see that our membership is strong, with more than 500 individuals from 52 countries. We welcomed many new and renewing members in the run-up to the international meeting in Ankara in 2018. In addition, several members have taken on new roles. The Ankara meeting saw the ‘changing of the guard’, with newly elected International Committee (IC) and Executive Committee (EC) members starting their 4-year terms. The IC comprises 40 individuals (29 elected members plus the 11 members of the EC, who also serve on the IC). The IC warmly welcomes new members Levent Atici, Cleia Detry, Erika Gál, Salima Ikram, Richard Madgwick and David Orton! The EC has also seen some changes. We welcome Suzie Pilaar Birch as the new Treasurer, stepping in to fill the big shoes of Pam Crabtree, who has served as Treasurer for the past 8 years. Erika Gál joins us as the new Working Group Liaison, following Zbigniew Bochenski’s decade of service in this capacity. After dedicating so much time and effort in organizing the 2018 international conference, Evangelia (Vicky) Pişkin continues her service to ICAZ by taking on the role of Past Conference Organizer and will serve (as all past organizers do) on the EC and IC for the next 4 years. Dr Patrick Faulkner (University of Sydney) also joins the EC and IC, as the representative Next Conference Organizer for the Australia consortium. The EC and IC will meet next in 2020 in Sweden, where they will be hosted by László Bartosiewicz at the University of Stockholm.

Pam, Zbigniew and Luis Borrero have been elected to the Committee of Honor (CoH). We are so grateful to all three of them for their long years of service. Check out the new CoH page on the ICAZ website to read more about all the individuals that ICAZ has recognized over the years: https://alexandriaarchive.org/icaz/committee-honor.

It is wonderful to see so many young scholars getting involved in ICAZ. ICAZ meetings provide an excellent opportunity to share your research with an interested and enthusiastic global community. Making connections in this setting can often be easier than at the large professional society meetings. Indeed, the challenge at ICAZ meetings is often that one wants to attend all the sessions rather than searching the programme for a handful of zooarchaeology-related papers. I encourage those new to ICAZ to not wait until the next international meeting to get involved. Check out the working groups to find a meeting near you to attend. The working group meetings are a fantastic way to get to know people and to really focus on a particular aspect of zooarchaeology. ICAZ now has 17 active working groups, including the most recently adopted Zooarchaeology of the Modern Era, as well as two affiliated groups. Look at the working group page on the ICAZ website (https://www.alexandriaarchive.org/icaz/working) to find out when and where they’re all planning their next meetings (every 2 years).

Speaking of working groups, ICAZ is offering an exciting new opportunity for funding. The IC has voted to support ICAZ working groups and affiliated groups with up to $5000 (no more than $1000 going to any one group) for participant support and other needs that benefit the working group. Participant support is particularly important, given that ICAZ members are located all over the globe. Any given meeting is always going to be very far and costly for some participants. Furthermore, many in our community work independently or have short-term employment, so it is important to find ways for everyone to be able to participate.

In closing, I’d like to remind you that during her time as Treasurer, Pam successfully navigated the tricky world of non-profit incorporation and secured 501(c)(3) status for ICAZ. One of the exciting implications of this new non-profit status is that ICAZ can now apply for grants. This can provide some great opportunities for ICAZ members to join together to undertake research projects involving multiple countries and institutions. While you’re giving that some consideration, please also join me in celebrating ICAZ’s non-profit status by making a new-year donation to support all the excellent research and community-building that ICAZ enables. You may now donate by credit card at http://alexandriaarchive.org/icaz/membership-donate. Happy 2019, everyone!

Sarah W. Kansa, ICAZ President
General Updates

**Contributed by Christine Lefèvre, ICAZ Secretary**

The 2018 International Committee (IC) meeting took place on Thursday 6 September, during the 13th ICAZ international conference held in Ankara, Turkey (ICAZ 2018). The minutes of this meeting, and those of the Executive Committee (EC), can be downloaded from the ICAZ website: https://alexandriaarchive.org/icaz/meetings-committee. For reviews of the conference, see Conference & Event Reviews.

During the meeting, the new IC, elected in December 2017 (see Newsletter 18:2, https://www.alexandriaarchive.org/icaz/publications-newsletter), took office, and will serve until the international conference in 2022. We would like to give a warm ‘thank you’ to the IC members who have stepped down: Zbigniew Bochenski, Simon Davis, Donald Grayson, Heather Lapham, Greg Monks and Jan Storå. And we are happy to welcome the new members: Levent Atici, Cleia Detry, Erika Gál, Salima Ikram, Richard Madgwick and David Orton.

Pam Crabtree, who has served as the Treasurer for the past 10 years, is passing the torch on to Suzanne Pilaar Birch, but will stay active as an IC member.

Zbigniew Bochenski has resigned as Working Group Liaison Officer, and this role will now be undertaken by Erika Gál.

Finally, Sarah Whitcher Kansa, the new President, took office at the General Meeting (GM) held at the end of the Ankara conference. Terry O’Connor is our new Vice-President.

Committee of Honor

**Contributed by Christine Lefèvre, ICAZ Secretary**

During the ICAZ 2018 meeting, the IC unanimously approved the election of three new members to the ICAZ Committee of Honor (CoH): Zbigniew Bochenski, Luis Borrero and Pam Crabtree. Through this process, we acknowledge their exceptional contributions to both ICAZ and archaeozoology as a discipline. Like all CoH members, they receive a lifetime membership to ICAZ. The complete list of CoH members can be viewed at https://alexandriaarchive.org/icaz/committee-of-honor.

Zbigniew Bochenski (Poland) received his PhD from the Jagiellonian University in Kraków in 1994. He is a professor at the Institute of Systematics and Evolution of Animals at the Polish Academy of Sciences (Kraków). A specialist on the osteology, palaeontology and taphonomy of birds, he has published numerous works on fossil and subfossil birds. His books and articles on the comparative osteology of modern birds are essential for avian archaeozoologists. He is also interested in the food preferences of owls and birds of prey. An ICAZ member for many years, he was elected on to the IC from 2002 to 2018 and served as Working Group Liaison Officer from 2008 to 2018. In 2001, he hosted the 4th meeting of the ICAZ Bird Working Group in Kraków. Elected in 2018.

Luis Alberto Borrero (Argentina) has been working in archaeozoology since 1978 and holds a PhD in archaeology (1986) from the University of Buenos Aires. He works for the Consejo Nacional de Investigaciones Científicas y Técnicas as a researcher, and teaches archaeology at the Universidad de Buenos Aires. He has conducted extensive research in Patagonia, documenting the early peopling of southern South America, the extinct megamammals of the end of the Pleistocene, and archaeozoological aspects of hunter-gatherer archaeology. His pioneering work on taphonomy has provided invaluable insight into the archaeology of South America. His strong commitment to archaeozoology and his dedication to education have been of great importance in the development of archaeozoology in Argentina and Latin America. He has published more than 200 scholarly papers, and is the author of two books and co-editor of seven books. In 2014, he received an Award for Excellence in Latin America and Caribbean Archaeology by the Society for American Archaeology. He has been a member of ICAZ since 1986, and served as Vice President between 2006 and 2010. Elected in 2018.

Pam Crabtree (USA) is Professor of Anthropology at New York University and holds a PhD (1982) from the University of Pennsylvania. While most of her zooarchaeological research has focused on the early medieval period, she has also worked on Epipalaeolithic, Neolithic, Chalcolithic, Bronze Age, Iron Age, Hellenistic and Roman faunal collections across Europe and the greater Near East. She served as ICAZ Treasurer from 2007 to 2018. Elected in 2018.
Treasurer’s Report

Contributed by Pam Crabtree, ICAZ Treasurer

It has been a pleasure and an honour to serve as ICAZ’s treasurer for the past 12 years, and I am delighted to hand the job over to Suzie Pilaar Birch. Here are the highlights of the work that I have carried out since ICAZ 2018.

I am pleased to report that we have closed the legacy accounts that ICAZ held at NatWest bank in the UK. Holding money in three currencies made accounting very difficult, as currency fluctuations affected our bottom line. In recent years, we have received very few payments by cheque; most of our membership fees are now paid by PayPal.

As of 1 October 2018, ICAZ’s balance stands at $76177.91. That amount does not include the small number of new memberships that we have received via PayPal over the past 2 months.

Our major expenses during the fiscal year 2018 (1 October 2017 to 30 September 2018) included the following.

- Preparation of the newsletter: $3818.04
- Maintenance of the website: $1964.81
- Support for the PZAF: $709.60
- Stine Rossel Prize: $518.25
- Memberships: $200.00

We also incurred $45 in bank transfer fees when we closed the UK accounts.

I have completed ICAZ’s tax forms for fiscal 2018.

ICAZ has been very careful in the use of its funds for the past 10 years. I was elected treasurer shortly before the start of the Great Recession, and we have all worked to minimize expenses by reducing bank fees and emailing rather than posting the Newsletter. Since I became treasurer, our working capital has roughly doubled, and we are in a good position to plan for the future. Thank you all for this opportunity.

Prizes

Contributed by Christine Lefèvre, ICAZ Secretary, and Sarah Kansa, ICAZ President

Stine Rossel

Since 2010, a prize of $500 has been awarded every 4 years in memory of the late Stine Rossel, as a contribution towards the expenses of a PhD student attending an ICAZ international conference.

At ICAZ 2018, the Stine Rossel Prize was awarded to Mauro Rizzetto (University of Sheffield, UK) for his PhD Project: The late Roman to early Anglo-Saxon transition in Britain: the evidence from cattle husbandry.

Poster prizes

Three prizes were awarded at ICAZ 2018 for the best posters. The competition was open to all ICAZ 2018 participants who were students or early career researchers. The top three posters were determined by a panel of judges (Hitomi Ongo, Christian Küchelmann, Christine Lefèvre and Richard Meadow), who evaluated the posters during the conference, based on two criteria:

- the quality of the research design, and the progression from question, to data, to conclusion
- the clarity with which that research was presented in the poster.

The 1st prize ($500) was awarded to Carli Peters (Universiteit Leiden, the Netherlands), for a poster entitled Unravelling spatial patterns: evaluating the site formation history of Schöningen 13II-4.
The 2nd prize (€200) was awarded to Ornella Prato (Universita degli Studi di Milano, Italy), for a poster entitled *A multidisciplinary approach to zooarchaeology: human–animal relationship at Tarquinia (Italy)*.

The 3rd prize (£80 in book vouchers from BAR Publishing) was awarded to E. Dalyn Grindle (formerly from the University of Wyoming, currently at Harvard University, USA), for a poster entitled *Zooarchaeology of the Native American sturgeon fishery in coastal Oregon, 350 BC to AD 1150*.

### Junior Researcher Open Zooarchaeology prizes

The Junior Researcher Open Zooarchaeology Prize competition acknowledges the best open-access, reusable content based on presentations at an ICAZ conference by a junior researcher (current student or degree in the past 10 years). The 2018 competition is the fourth time the contest has been held, the first being at the 2006 ICAZ meeting in Mexico City.

A panel of four judges from the ICAZ IC evaluated the entries, with the primary criterion being the presentation’s value for reuse in teaching or research. We are grateful for their careful consideration of the entries.

#### 2018 judges

- Levent Atici (University of Nevada, Las Vegas, USA)
- Suzanne Pilaar Birch (University of Georgia, USA)
- Albérico Nogueira de Queiroz (Federal University of Sergipe (UFS), Brazil)
- David Orton (University of York, UK)

#### 1st place: Annelise Binois

*Sheep castration in the medieval and modern periods in Europe: modalities, demographics and archaeological evidence* (in the session Social Networks and Animal Ageing and Sexing)

**Highlights from the judges:**

‘[Binois] presents her research agenda clearly and explicitly and provides with ample and comprehensive data with great reuse potential. Bringing the issue of castration into a sharper methodological focus is a significant contribution to the field given the ubiquity of sheep bones from numerous archaeofaunal assemblages in time and space. As such, the implications of this projects can reach well beyond medieval Europe. The strongest aspect of this project is the availability of demographic data presented in separate worksheets.’

#### 2nd place: Natalya Prilepskaya (with N.D. Burrova, A.A. Sinitsyn)

*Determination of the death season by dental cementum analysis of horses Equus ferus (Boddart, 1785) from the Upper Paleolithic site Kostenki 14 (Markina gora) (Voronezh region, Russia)* (in the session High-Resolution Analyses of Dental Remains: Broadening Horizons)

**Highlights from the judges:**

‘The fact that she has the Excel spreadsheet with multiple data types available along with the presentation is what makes this the most useful and “open” entry.’

‘This is a beautifully clear presentation of an extremely useful piece of research. It’s an old topic, but one that has been very much in need of a new assessment. In terms of openness, I note the author’s clearly stated motivation to enable reuse of their research, and the inclusion of the data is extremely valuable to this end’

To view the winning entries, go to [http://alexandriaarchive.org/bonecommons/items/show/2034](http://alexandriaarchive.org/bonecommons/items/show/2034).
ICAZ 2022

Contributed by Patrick Faulkner, Conference Organizer

The 14th international conference will take place at the Cairns Convention Centre, https://www.cairnsconvention.com.au/, in tropical north Queensland, Australia, from Monday 8 to Saturday 13 August 2022. The organizing committee is represented by a consortium of universities, comprising Dr Patrick Faulkner (University of Sydney), Dr Melanie Fillios (University of New England), Dr Jillian Garvey (La Trobe University) and Dr Tiina Manne (University of Queensland).

Further details will be made available in the near future, and the organizing committee can be contacted via email: admin@icaz2022.org.

The Queensland Government, via Tourism and Events Queensland, is proud to support the conference through the Business Events Acquisition and Leveraging Fund. Business events are vital to Queensland’s tourism industry, attracting visitors and promoting our destinations to domestic and international visitors.

Cairns Convention Centre

Calling all ICAZ Working Groups & Affiliated Groups: ICAZ will provide financial support for your next meeting!

Contributed by the Review Committee: Suzanne Pilaar Birch (Treasurer), Virginia Butler (IC member), Erika Gál (WG Liaison and IC member)

From 2019, ICAZ will allocate up to US$5000 dollars each year to support meetings and related activities of ICAZ working groups and affiliated groups (see http://alexandriaarchive.org/icaz/working).

The total amount of any request should not exceed US$1000. These funds are intended to support travel costs for students, junior researchers and unfunded scholars who want to attend a working group meeting, although other needs will be considered. Applications should be submitted by working group coordinators and/or working group meeting organizers, not individuals seeking support. In order to maximize use of the funds, any remaining balance must be returned to ICAZ following the meeting. Please note: working groups should not plan to host meetings in the same year as the ICAZ conference (thus not in 2022, 2026, etc.).

A committee consisting of one EC officer and two IC members will review each proposal and allocate the funds as appropriate until the budget for a given year is expended.

There is no fixed deadline: applications are accepted on a rolling basis.

Application: Please fill out and submit your application through Google Forms using this link: https://goo.gl/forms/SxqtpB1eymQAshBq2
Motion of Support

International Council for Archaeozoology

Motion of support from the ICAZ International Committee to the National Museum of the Federal University of Rio de Janeiro (MN-UFRJ)

Prof. Dr. Alexander Kellner

Dear Director Kellner,

We members of the International Committee (IC) of the International Council for Archaeozoology (ICAZ) declare our deep sorrow and solidarity to the Brazilian academic and scientific community due to what happened on Sunday, September 2nd, in which almost the entire archaeological and paleontological collections disappeared in a fire, resulting in an inestimable loss to all of society. We understand that at this moment all necessary measures will be taken for the investigation and recovery of this institution, which represents years of dedication and selflessness of employees, students, professors, collaborators and researchers, both Brazilians and foreigners.

All our heartfelt respect and consideration.

Sincerely,

Sarah Whitcher Kansa, President
and the International Committee of the International Council for Archaeozoology (IC/ICAZ),

Ankara (Turkey), September 06th, 2018.
7th meeting of the ICAZ Animal Palaeopathology Working Group (APWG)

Contributed by Eve Rannamäe, University of Tartu, Estonia/University of York, UK (everannamae@gmail.com)

- **Call for papers:** Beautiful anomalies
- **Where:** Department of Archaeology, Institute of History and Archaeology, University of Tartu, Jakobi Str. 2, Tartu, Estonia
- **When:** 23–26 May 2019

The submission of abstracts for the 7th ICAZ APWG meeting in Tartu is now open. Both oral and poster presentations are welcome. Please send your abstract, of a maximum of 300 words, to everannamae@gmail.com, by 15 February 2019. The abstract submission form (.doc file) is downloadable from the APWG webpage https://animalpalaeopathologywg.wordpress.com/.

The 4-day meeting will include oral and poster sessions, a hands-on workshop, a tour of the animal anatomy museum, town excursions and 1-day field trip to southern Estonia.

Registration will open early in 2019, with an estimated registration fee of €40 per participant.

For more details about abstract submission, registration and the programme, please see the APWG webpage https://animalpalaeopathologywg.wordpress.com/, where all updates will be posted. All further questions are welcome at everannamae@gmail.com.

14th meeting of the ICAZ Archaeozoology of Southwest Asia and Adjacent Areas (ASWA[AA]) Working Group

Contributed by Maria Saña, Carlos Tornero and Roger Alcântara, Autonomous University of Barcelona, Spain (roger.alcantara.fors@gmail.com)

We are pleased to announce that the next ASWA[AA] Working Group meeting will take place in Barcelona, Spain, during the second week of June 2019 (3–7 June).

The venue is the Archaeological Museum of Catalonia (MAC-Barcelona; http://www.macbarcelona.cat/) and the Autonomous University of Barcelona (https://www.uab.cat/)

The deadline for abstract submission is 1 March 2019, and registration will be open from 15 January 2019. See https://aswa2019.sciencesconf.org/ for further information.

If you are interested in participating with a paper, a poster or just as an audience member, please let us know by emailing aswaaa14@gmail.com. This will help us with all the practicalities of the organization.

We hope you will find this event interesting, and look forward to hearing from you.

8th meeting of the Postgraduate ZooArchaeology Forum (PZAF)

Contributed by Kinga Bigoraj (pzaf.yerevan@gmail.com)

The 8th PZAF will be held in Yerevan, Armenia, on 21–23 June 2019. The venue is the conference hall of Matenadaran in Yerevan (https://en.wikipedia.org/wiki/Matenadaran). The organizing committee includes Kinga Bigoraj, Maria Antonosyan and Levon Harutyunyan, and more details of the event will be available soon. https://www.alexandriaarchive.org/icaz/affiliate-pzaf
20th meeting of the ICAZ Fish Remains Working Group (FRWG)

Contributed by Justin Cramb, University of Georgia, USA (jcramb@uga.edu)

We are thrilled to bring you a number of announcements regarding the 2019 meeting of the FRWG!

- **Date:** Mark your calendars for the 20th meeting of the FRWG, set for 26–30 August 2019 in Portland, Oregon, USA, followed by a weekend field trip to the Oregon Coast.
- **Websites:** If you have not yet had a chance, please visit https://www.2019frwg.com/ and check out our new website. This site will act as our primary means of interacting with those interested in joining us in Portland. Via the website, you can learn more about the meeting and register to attend. Further features, such as online abstract submissions, an interactive meeting programme, and more will be made available in the coming months.
- **Mailing list:** We have created a mailing list to keep all interested parties updated with news about the meeting. You can subscribe by filling out the form at the bottom of the 2019FRWG.com website.

We will be adding more information and options as we move forward, including online registration for the weekend trip and other events.

We look forward to seeing you all in Portland and we hope that you are as excited about the meeting as we all are!

The 2019 FRWG Planning Committee
Portland State University
Portland, OR 97201, USA

8th meeting of the ICAZ Archaeozoology, Genetics and Morphometrics (AGM) Working Group

Contributed by Thomas Cucchi, Muséum National d’Histoire Naturelle, France (cucchi@mnhn.fr)

The organizing committee is pleased to announce that the 8th meeting of the AGM Working Group will be held from 17 to 18 October 2019 at the Natural History Museum of Paris, France.

This year, we would like to broaden the working group to include proteomics, and have therefore named the workshop Archaeozoology, genetics, proteomics and morphometrics (AGPM). For this reason, we will have the honour of Professor Matthew Collins (Oxford University, UK) as guest speaker to introduce the meeting.

We welcome submissions on any topic relevant to the broader themes of the working group:

- methodological developments
- colonization, mobility and migration
- domestication process
- health and disease
- adaptation and adaptedness to the human niche

More detailed information about the working group will be available shortly on the website ICAZ-AGPM2019.sciencesconf.org.

The call for abstracts will start in February 2019 and proposals will be uploaded directly on the website.

The registration fee will include:

- the evening closing ceremony, hosted in a houseboat by the River Seine on 18 October (the last day of the workshop)
- a free pass to all the exhibitions at the Natural History Museum of Paris (including the Musée de l’Homme).

So please keep these in mind when you schedule your trip!

More information will be available soon, but for now please save the date.
13th meeting of the ICAZ Worked Bone Research Group (WBRG)

Contributed by Christian Gates St-Pierre, University of Montreal, Canada (christian.gates-st-pierre@umontreal.ca)

The 13th WBRG meeting will take place in the city of Montreal, Canada, from 7 to 12 October 2019, on the University of Montreal campus. The conference theme is *Worked bones and archaeometry*. The call for sessions is now open: session proposals can be submitted to the principal organizer, Dr Christian Gates St-Pierre (christian.gates-st-pierre@umontreal.ca).

Montreal is a bilingual city located in a bilingual country, where English and French go hand in hand. Thus, participants are invited to submit papers in either of these languages. The conference website is [https://wbrg2019.ca](https://wbrg2019.ca), and those interested in participating can also visit the University of Montreal’s Department of Anthropology website ([https://en.anthropo.umontreal.ca/home/](https://en.anthropo.umontreal.ca/home/)), as well as the official Montreal Tourism website ([https://www.mtl.org/en](https://www.mtl.org/en)).

Frequently listed among the top cities to live in or to visit, Montreal is a vibrant, world-class, diversified and Lesbian, Gay, Bisexual, Transgender and Queer (LGBTQ)-friendly metropolis that has much to offer to any lover of archaeology, history, indigenous culture, museums, architecture, nature, fashion, music and food. A North American city with a European je ne sais quoi, Montreal offers the best of both worlds! Moreover, the conference will take place during the peak season for viewing the spectacular autumn foliage, a natural phenomenon not to be missed. And did you know that the current mayor of Montreal is an anthropologist? How about that!

Finally, please note that non-Canadian and non-US visitors may need a visa to enter the country (despite all the nice things we just said, Canada is not yet paradise on earth, but we’re working on it!). Visit Canada’s Immigration and Citizenship website to prepare your trip to Canada and avoid any travel or administrative complications: [https://www.canada.ca/en/immigration-refugees-citizenship/services/visit-canada.html](https://www.canada.ca/en/immigration-refugees-citizenship/services/visit-canada.html). We hope to see you in Montreal next year!
Microvertebrate Working Group (MVWG)
https://www.alexandriaarchive.org/icaz/workmicrovertebrate

Contributed by Sara E. Rhodes, University of Tübingen, Germany (sara.rhodes@ifu.uni-tuebingen.de)

The MVWG held its 2nd biennial meeting as part of the 13th ICAZ international conference in Ankara, Turkey, on 4 September 2018. The meeting was organized by Ángel Blanco-Lapaz of the Senckenberg Center for Human Evolution and Paleoenvironment (HEP) at the Universität Tübingen, and Sara E. Rhodes, of the Institute for Archaeological Sciences also at the University of Tübingen, and saw an excellent turn out of both MVWG members and non-members. Topics of discussion included the need for standards for reporting, nomenclature and research keywords specifically related to microvertebrate studies, as well as how we can better share and disseminate our new publications and ongoing research project results. Dr Juan-Manuel López-Garcia and Dr Hugues-Alexandre Blain of the Catalan Institute of Human Paleoeconomy and Social Evolution (IPHES) in Tarragona, Spain, offered to host the next MVWG meeting, which is tentatively scheduled for September 2020. The IPHES is an internationally renowned institution known particularly for the high quality of its microvertebrate-focused research.

The session organizers (A. Blanco-Lapaz and S. E. Rhodes) would like to thank the ICAZ conference organizers and all the participants of the session and MVWG for an exciting and informative day. For more information on this recent or any upcoming events, or to join the MVWG, please email mvwg.icaz@gmail.com or visit our website www.mvwg2016.wixsite.com/mvwg or Facebook page www.facebook.com/groups/icaz.mvwg.

The NZWG comprises more than 200 researchers and students interested in human–animal relationships and their record in the Neotropics, the biogeographical region ranging from southern North America to southern South America and adjacent islands.

Contributions to the 2nd Academic Meeting of the NZWG, held within the 12th ICAZ international conference in San Rafael, Argentina, in 2014, have been published in the volume Zooarchaeology in the Neotropics: Environmental Diversity and Human–Animal Interactions, published by Springer in 2017 (http://www.springer.com/gb/book/9783319573267).

A workshop on camelid osteology and osteometry was also held jointly with the South American camels session organizers at the 12th ICAZ international conference in 2014, and a workshop on zooarchaeology laboratories was held at the III Encuentro Latino Americano de Zooarqueologia (ELAZ) meeting in Aracaju, Brazil, in 2016.

More recently, in November 2017, the 3rd academic meeting of the NZWG was held in San José de Mayo, Uruguay, organized jointly with NZWG member Laura Beovide, around
the theme: From ocean to ocean, multiple looks on human–animal relationships in the Neotropics. The meeting was dedicated to the memory of dear Christopher Markus Götz, an active and generous member of the NZWG, who did so much for the zooarchaeology of the region, and tribute was also paid to our dear colleague Mariana De Nigris, another key zooarchaeologist in the Neotropics, who passed away only weeks before the meeting. As usual, an administrative meeting was held during the academic meeting, at which NZWG coordinators were renewed, with Caroline Borges and Rosa Souza from Brazil replacing Elizabeth Ramos-Roca (Colombia) and Mariana Mondini (Argentina), and Pablo Fernández and Sebastián Muñoz from Argentina continuing for a new period.

The book of abstracts of the 3rd academic meeting of the NZWG is available online (https://nzwgicaz2017.files.wordpress.com/2017/09/nzwg3-libro-de-resumenes-san-jose-2017.pdf), and full contributions will soon be published as a special issue of Archaeofauna, International Journal of Archaeozoology (Vol. 29, 2019).

After the NZWG meetings in Chile, Argentina and Uruguay, we are already working on the next one in Brazil in 2020! The 4th academic meeting of the NZWG will be held at the Instituto de Ciências Humanas, Federal University of Federal de Pelotas (UFPel) (https://wp.ufpel.edu.br/ich/), organized jointly with Caroline Borges and the Laboratório de Ensino e Pesquisa em Antropologia e Arqueologia (LEPAARQ-UFPel) (https://wp.ufpel.edu.br/lepaarq/), and with the support of the Programa de Pós-graduação em Antropologia (PPGANT-UFPel) (https://wp.ufpel.edu.br/ppgant/) and of the Sociedade de Arqueologia Brasileña.

This and other information on Neotropical zooarchaeology, including notes, reviews and plenty of news, can be found in the NZWG newsletters. The latest issue (no. 10) and previous issues can be found via the NZWG webpage: https://www.alexandriaarchive.org/bonecommons/exhibits/show/nzwg.

We invite researchers and students interested in zooarchaeology in the Neotropics to join the NZWG and stay tuned for interesting news in this research area. You just need to email us at nzwg.icaz@gmail.com. Please spread the word!

ICAZ NZWG coordinators (nzwg.icaz@gmail.com):

- Pablo M. Fernández, NZWG coordinator (CONICET-INAPL, Argentina, pfernand@retina.ar)
- Sebastián Muñoz, NZWG coordinator and liaison (CONICET-UNC, Argentina, smunoz@conicet.gov.ar)
- Caroline Borges, NZWG coordinator and liaison (LEPAARQ-UFPEL, Brazil, arqueocarol@gmail.com)
- Rosa Souza, NZWG coordinator (LABIARQ – UFS, Brazil, rcclosouza@yahoo.com.br)

https://www.alexandriaarchive.org/icaz/worktaphonomy

Contributed by Ana B. Marín-Arroyo, Instituto Internacional de Investigaciones Prehistóricas de Cantabria, Spain (anabelen.marin@unican.es)

Since its creation in 2009, the TWG has maintain a high level of activity. It has organized five biannual conferences, starting...

Currently, the TWG comprises more than 100 members from around the world. Collaborative research projects are ongoing among TWG members, such as the Global Weathering Project led by Yolanda Fernandez Jalvo (Museo Nacional de Ciencias Naturales, Madrid, Spain), Alexander H. Parkinson (University of the Witwatersrand, Johannesburg, South Africa) and Peter Andrews (Natural History Museum, London, UK). The Global Weathering Project aims to study how weathering processes affect macromammal bones in different climates and environments all over the world. World-wide, taphonomists are invited to participate, and the project has already started in Australia, Argentina and Spain. Protocols and details for joining can be found at https://taphonomyworkinggroup.wordpress.com/tag/global-weathering-project/.

In parallel with the TWG, in January 2018 a European Network for Quaternary Taphonomy (TAPHEN) was established in collaboration with several working groups based in France, Spain, Italy, UK, Germany and Portugal. This network has been funded initially by the French National Center for Scientific Research (CNRS) and is led by Jean Philipp Brugal. All participants share similar goals for taphonomy that favour fertile and active collaboration and exchange within a European network. For more details, see the webpage https://taphonomy-network.blogspot.com/.

For more information about the TWG, please visit: https://taphonomyworkinggroup.wordpress.com/.

If you are interested in joining the group, please contact the coordinator and liaison Ana B. Marín-Arroyo, anabelen.marin@unican.es.

The WBRG has continued with meetings in Beograd, Serbia (2014), Iaşi, Romania (2015) and, most recently in Granada, Spain (2017). The first two of these meetings were held at 1.5-year intervals in order to synchronize the meetings with the 4-year ICAZ international conferences, the most recent of those being held in Ankara, Turkey, in 2018.

The first two meetings have been reported on. The third meeting was organized by Dr Manuel Altamarino Garcia and sponsored by the Department of Prehistory and Archaeology of the University of Granada, Faculty of Philosophy and Letters and GEA Research Group, as well as BETA Analytics. Altogether 32 papers were delivered and 18 posters exhibited. There were 56 participants, from 24 countries: Spain, South Africa, Serbia, Greece, UK, Poland, Australia, Latvia, Lithuania, Romania, USA, France, Hungary, Switzerland, Chile, Turkey, Italy, Germany, Croatia, Macedonia, Israel, Russia, Czech Republic and the Netherlands. As in previous years, the papers were lively and far ranging in time and geography.

Also in keeping with previous years, volumes from the Beograd and Iaşi meetings have been published. Dr Selena Vitezović has edited and published the Beograd proceedings for the 10th meeting: Close to the Bone: Current Studies in Bone Technologies (2017, Beograd: Institute of Archaeology, ISBN 978-86-6439-006-4), in. The volume is available to download for free from the WBRG webpage, https://www.wbrg.net/meetings/10th-meeting-beograd-2014/. All articles have been peer reviewed.


Manuel Altamarino Garcia has indicated that the editing of the proceedings for the 12th meeting, held in Granada in 2017, is underway. Articles will be subjected to a double-blind peer review and edited by the Department of Prehistory and Archaeology, University of Granada. The volume will be published in Cuadernos de Prehistoria de la Universidad de Granada, http://revistaseug.ugr.es/index.php/cpag.
The 13th meeting of the WBRG leaves Europe for North America. Dr Christian Gates St Pierre has undertaken to hold the next meeting at the University of Montreal, Canada, in 2019, 7–12 October.

In the meantime a WBRG session, entitled *Raw material choice and ornaments: aesthetics, availability, social value and manufacturing considerations*, was held at the ICAZ 2018 conference. The session was organized by Alice Choyke, Doug Campana and Pam Crabtree, and plans are underway to publish a volume based on the session but with new authors added.


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**Zooarchaeology of the Modern Era Working Group (ZMEWG)**

https://www.alexandriaarchive.org/icaz/workmodernera

*Contributed by Rebecca Gordon and Eric Tourigny (zmeworkgroup@gmail.com)*

We are happy to announce the launch of a new working group: Zooarchaeology of the Modern Era (ZMEWG). There are many advantages to investigating the zooarchaeology of the modern era, as animals played a fundamental role in facilitating the events that shaped the modern world. This working group aims to connect an emergent group of researchers interested in the zooarchaeology of the last c. 500 years. It will provide a forum for members to liaise and disseminate knowledge to gain a better understanding of zooarchaeological remains from the recent past and contribute to our understanding of animal–human relationships in the deeper, poorly documented past.

More information about the group can be found at https://www.alexandriaarchive.org/icaz/workmodernera.

If you are interested in joining, please email to Rebecca Gordon and Eric Tourigny at zmeworkgroup@gmail.com.

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**Please help build a database of measurements for Near Eastern fauna!**

*Contributed by Sarah Kansa (sarahkansa@gmail.com)*

Do you love the idea of having access to measurements from sites all over the Near East, with tools to sort by time period, context and age? You do? So does everyone else! But it takes all of us to build such a resource. The Biometrical Database of Near East and Eastern Mediterranean Fauna is a community-wide project to build a massive body of integrated, openly available measurement data. Please help build it! Check out how to contribute data by visiting the project page in Open Context: https://opencontext.org/projects/50e00bdf-b4e2-435d-8e8e-6d54c48942b1. The project page even has sample tables to help guide you. Please also feel free to reach out to the coordinators, Justin Lev-Tov (jlevtov@gmail.com) and Sarah Kansa (sarahkansa@gmail.com) to talk about ways to participate.
ICAZ 2018: a summary

Contributed by Evangelia Pişkin, Conference Organizer

The 13th ICAZ international conference (ICAZ 2018) took place in Ankara, Turkey, at the Middle East Technical University’s (METU) Culture and Convention Center, between 2 and 7 September 2018.

Three-hundred and twenty-three participants from 51 countries, plus another 42 local students and academics, attended the conference. The break down by country was Armenia, Belgium, Colombia, Croatia, Egypt, Greece, Ghana, Latvia, New Zealand, Romania, Slovakia, Sri Lanka and the United Arab Emirates, with one person from each; Brazil, Bulgaria, Chile, Estonia, Finland, Hungary, Iceland, Ireland, Mexico, Norway, Russian Federation, Slovenia, Switzerland, Ukraine, India and Iran, with two people from each; the Czech Republic and Denmark with three; Austria, Portugal and Serbia with four; Canada and South Africa with five; Australia and Sweden with seven; Israel with 10; Italy, Japan and the Netherlands with 11; Poland with 12; Argentina with 14; Germany with 15; Turkey with 16 presenting, and 42 others; Spain with 18; China with 18; France with 22; the USA with 26; and the UK with 53 people.

The conference had 28 parallel sessions, and a general session that was divided into nine thematic sub-sessions. A total of 437 presentations was submitted, of which 61 were posters. A few presentations were cancelled at the last minute. Among the presenters, 127 were students.

During the conference nine working groups held business meetings: the Worked Bone Research Group (WBRG), Fish Remains Working Group (FRWG), Bird Working Group (BWG), Microvertebrate Working Group (MVWG), Roman Period Working Group (RPWG), Archaeomalacology Working Group (AMWG), Taphonomy Working Group (TWG), Animal Palaeopathology Working Group (APWG), and Archaeozoology of Southwest Asia and Adjacent Areas Working Group (ASWA[AA]). In addition, the Postgraduate ZooArchaeology Forum (PZAF) held a meeting.

Financial support was mostly provided through services in kind, with the biggest share coming from the Middle East University and the Department of Settlement Archaeology, providing logistic support and low-cost facilities. From the point of view of helping attendees take part in the conference, especially important was opening the university’s students’ dormitories in order to provide low-cost accommodation for all the participants. As further support, the ICAZ 2018 organizing committee offered fee waivers and reduced fees to 41 participants, the main selection criteria being the employment status of the applicant (priority given to students/unwaged), economic growth of the country of origin and country representation within ICAZ. The second biggest sponsor was the British Institute of Archaeology at Ankara.
Other sponsors included BETA Analytic, BAR Publishing and the Turkish Ministry of Culture.

The conference opened with a short session of welcoming speeches, followed by a cocktail reception at the Culture and Convention Center at METU, during which musicians from the Ministry of Culture played traditional Turkish classical music. The conference dinner was held al-fresco at the Vignelik locale on the night of 4 September. Two excursions were held before the conference, one a 2-day trip to Neolithic sites of central Turkey, including Çatalhöyük, Aşıklı höyük and Boncuklu, where the directors of the excavations welcomed the ICAZ participants and guided them around the sites, and a 1-day trip to Pessinus and the Phrygian cultic sites of Midas city. Mid-conference, a half-day excursion took place to the Phrygian site of Gordion. After the conference, another 2-day trip took the delegates to the major sites of the Hittite empire, including the capital of Hattusa, the sacred site of Şapinuva and Alaca höyük. At these sites we were hosted by the directors of Hattusa and Şapinuva. The 1-day trip to Pessinus and Midas city was also repeated at the end of the conference.

Warm thanks are due to everyone who helped the organizing committee, especially the student team, who helped enormously in hosting the event. The ICAZ Executive Committee (EC) provided much needed guidance on organizing the conference. Christine Lefèvre needs to be particularly mentioned for providing many answers and help during the organization. Similarly, Luís Borrero and Mehmet Özdoğan gave their valuable advice on various issues. Finally, the most important of all has been you, all the delegates, for without your whole-hearted participation and most valuable academic presentations this event could not have been realized. Thank you all!!!
Passport, tickets, currency, talks: the essentials of conference travel were all packed with the usual sense of anticipation. ICAZ in Ankara was a great opportunity to catch up with the latest research, to meet old friends again and to visit some iconic archaeological sites. This is not a formal review of the conference, just some thoughts on how it all seemed to one delegate.

The METU campus was a nice surprise, greener and with much more tree cover than I had expected. There is a tradition that each year-group of students plants more trees, and the consequence is a campus where there is always some shade and often a pleasant smell of warm conifers. For us northern Europeans, that scent alone is evocative. The conference location was an excellent modern building with a good mix of lecture rooms and a spacious foyer for social events and general mixing. After a day or two of peering at maps and swapping notes, most of us managed to find cafés and cafeterias.

Field trips happened before and after the conference, and will remain in the memory of all who experienced them, for a variety of reasons. The chance to see Neolithic sites in the Konya Plain was not to be missed. As an undergraduate, I sat through James Mellaart’s lectures on Çatalhöyük with a mounting sense of bewilderment and disbelief. It was a real pleasure to see the site for the first time, not least the more recent work that has moved our understanding of the site beyond Mellaart’s elaborate fantasies. But the building that protects the site! Who would have imagined that putting an archaeological site in Anatolia in a huge greenhouse would make it very, very hot? Arek Marciniak gave an excellent introduction to the site, despite being close to melting before our very eyes. And I am sure that I have never seen so many sandbags assembled in one place before. Meanwhile in Cappadocia, the even earlier settlement of Aşıklı Höyük was the star of the show for me. The clarity of the stratigraphy, systematically exposed by excavation and superbly explained by site staff, was a joy to behold. The post-conference field trip was to Hittite sites. Despite the best of intentions, I had to forgo that one. Sometimes, less is more.

The conference programme was, as ever, diverse in space, time and methodologies. Most of the conference rooms were fairly close together, so swapping from session to session was quite feasible, even if some of us traditionalists would prefer that people stayed put. It must be a bit disconcerting for a young speaker, nervously taking the stage at their first international conference, to see half their audience scuttling for the exit. And a lot of the speakers were young. Yes, some of that could be a matter of perspective: anyone under 50 looks young to me. Even allowing for that, it is clear that
zooarchaeology has a lively young generation coming through, and that they are doing some fascinating new research. There continue to be some papers based on one technique (‘My lab does Next-Generation Shazzam analyses, so here are some recent ones’), but they are becoming quite a small minority, replaced by papers driven by complex research questions to which a range of complementary techniques have been applied. To my mind, that’s a positive development. There was a good range of posters, too, enough to give the judges for the poster prize quite a difficult task. There is some discussion going on in UK academic circles about raising the status of posters as a means of presentation. Research presented on a poster may be just as important as research presented in a spoken contribution, and the poster format may be more appropriate to the subject matter. Future ICAZ international and working group conferences could consider ways of raising the profile of posters.

Having ducked out of what promised to be a long and tiring excursion to Hittite sites, we enjoyed a day in Ankara’s old citadel. It is at an interesting stage of its evolution. There is clearly a lot of conservation and upgrading work going on, but enough of the old streetscapes and neglected corners remain to give the area around the castle an unpolished ambience. Small shops and workshops abound for those in search of that crucial souvenir piece of Anatolian obsidian. The Museum of Anatolian Civilisations is excellent, with one jaw-dropping exhibit after another, and a logical layout that enables the visitor to avoid those awkward ‘Have we been in there yet?’ moments.

I will admit to feeling very tired by the end of the conference, but that was due at least in part to an orgy of travel during the preceding month. In all, it was great to see zooarchaeology in good heart, exchanging news and ideas, and to see young colleagues getting to know some ICAZ veterans for the first time and showcasing their work to an international audience.
The 7th Postgraduate ZooArchaeology Forum (PZAF)

Contributed by Alexandra Kendell, University of Winchester, UK

It was my great pleasure to attend the 7th PZAF, which took place on 27–29 June 2018 in Palermo, Sicily, Italy. The event was organized by Veronica Aniceti, Matteo Bormetti and Mauro Rizzetto, from the University of Sheffield, UK. Designed by, and created for, postgraduate students, PZAF serves as a wonderful opportunity for early career researchers to experience a conference within a relaxed and friendly environment. For many, PZAF represents their first opportunity to present their research, and introduce themselves to a wider community of zooarchaeologists from across the globe. Colleagues and postgraduate researchers travelled from far and wide, many coming from across Europe, including Italy, Ukraine and the Netherlands, and some travelling from as far as New Zealand. Overall more than 70 delegates attended, to share and discuss ongoing research within the field of zooarchaeology. This is invaluable experience, particularly for those at postgraduate level. Speaking personally, this was the first time I had presented my research to a wider audience: the atmosphere could not have been more supportive and positive, which is reassuring for any new postgraduate entering the academic arena for the first time.

Lasting 3 days in total, this PZAF comprised two days of fascinating discussions, with an optional field trip held on the final day. The conference began with panels and presentations providing insight into a wide variety of time periods, ranging from prehistory to post-medieval investigations. Guest speakers Martin Craver and Marco Masseti sparked discussions into ongoing research within Sicily, highlighting regime changes, and the influence of Arabic and Norman cultures on zooarchaeological assemblages. Oral presentations covered a range of research spanning from a possible Roman tannery in Serbia, animal exploitation in western Turkey, and Neolithic hunting and husbandry in Switzerland. The variety on display in the first day alone was impressive, with enough topics to pique any zooarchaeologist’s interest!

The second day provided an opportunity for in-depth discussions of current zooarchaeological methodologies and taphonomy, as well as ongoing research into assemblages from military, funerary and ritualistic sites. The last day of talks was brought to a close with an introduction to the use of new technologies, such as Ludwig, and their potential befits to the wider archaeological community. In particular, this...
also covered a wide range of research from across the globe. Some examples included investigations into horse headdresses from Siberia, pig domestication in Italy, post-medieval castles in the Czech Republic, and diet within medieval leprosy hospitals.

Attendees were particularly pleased to receive a regular supply of Sicilian delicacies throughout their coffee breaks. These included cannoli, fresh pastries and, most importantly, regular top-ups of espresso! This was matched by an excellent conference lunch held only a few minutes walk away at Osteria Ballarò, which allowed attendees to continue discussions over a variety of local Sicilian dishes. Equally enjoyable was the PZAF conference dinner, which saw delegates take part in a spirited zooarchaeology quiz over a few drinks and lively conversation.

A noticeable quality of the 7th PZAF was how well it was able to represent its host city. Attendees came away with a sense that they had not only furthered their knowledge of zooarchaeology, but that they had actually experienced some of the beauty and history Palermo has to offer. This was perhaps most evident during the conference trip, which allowed attendees to experience a walking tour of Palermo and its UNESCO World Heritage sites. This was then followed by a trip to Cefalù, finishing off the conference with a trip to a beautiful beach.

Overall, the 7th PZAF proved to be extremely successful, and an invaluable opportunity for postgraduate researchers from all walks of life, especially those starting out in the conference scene, to gather, learn and share in their collective passion for zooarchaeology, all within a positive, supportive setting.

Poster presentations remained on display throughout the first two days of the event. Presenters were afforded several opportunities to discuss their research with attendees, and were able to gather valuable feedback. These posters

Delegates taking in the streets of Palermo on their way to lunch

topic highlighted the challenges faced by researchers who are required to write and publish in English, adding further relevance for attendees who had travelled a long way to attend. Delegates were left feeling inspired, and in admiration of those who rise to the wider challenges presented within international academic research.

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ICAZ Health & Safety Guidelines

The study of archaeozoological remains is not inherently dangerous, but there are legal and health implications to handling animal remains. These may vary according to your location, the provenance of the samples and whether you are dealing with archaeological samples, bone and/or animal tissues. The best way to prepare for potential problems is to obtain proper documentation. The ICAZ webpage provides a partial list of some commonly encountered risks and suggested sources. Members are strongly encouraged to acquaint themselves with ICAZ’s Professional Protocols.

https://www.alexandriaarchive.org/icaz/about-policies-health-safety

ICAZ needs your help to expand the number of links provided. If you have links to country/regional sources that complement the information provided here, please fill out the short Google form via the webpage. If you cannot access the Google form, please send the links with the heading (microorganism/transportation/zoonotic/work&safety) and, if the link does not make it obvious, the relevant country, to: icazhealth.safety@gmail.com.

Thank you!
Laboratory for Archaeozoological Studies-Leiden (LAS-Leiden)

Contributed by Laura Llorente Rodríguez and Thijs van Kolfschoten, University of Leiden, the Netherlands

The Laboratory for Archaeozoological Studies at Leiden University (LAS-Leiden; Figure 1) has been growing during its 25-plus years of history. Its collection includes a wide variety of both Pleistocene and Holocene large and small mammals, alongside birds. Our aim now is to keep growing and enhancing the collection by not only enlarging these vertebrate groups but also incorporating the fish and molluscs that we still have uncatalogued ... and other specimens! Frequently visited by both academic and freelance archaeozoologists and palaeontologists, we would like to strengthen our collaborative research and a role as hosts to professionals, as well as contributing to the development of the discipline in general, and Dutch archaeozoology in particular.

In this respect, the staff at LAS-Leiden is committed to creating an engaging and comprehensive foundation for Bachelor and Master students. Students are encouraged to contribute to ongoing research and explore the wide range of methods and materials that our discipline has to offer. A good example of this is the presence of our research master students at ICAZ 2018 in Ankara, Turkey: Carli Peters (Figure 2), Wouter Bonhof, Donna de Groene and Tessa Baker. They presented cutting-edge research that was realized by the Poster Committee, which awarded Carli Peters 1st prize in the poster competition.

Research and projects
Our faunal research addresses an integrative biological and archaeological point of view across a wide chronological and geographical range. Currently, staff members and (PhD)
students are involved in ongoing studies of material from Trinil (Java, Indonesia), Lingjing (Henan province, China) and Schönningen (Germany), the latter being the long-term project of the famous ‘wooden spear’ since 1992. Closer in time are projects revealing the origin and evolution of marine fishing activities in the Iberian Peninsula, and the economy and environmental reconstruction of the Iron Age site of al-Madam (Sharjah, United Arab Emirates), where the first underground galleries for irrigation (falaj) have been documented.

- Schönningen: https://www.universiteitleiden.nl/en/research/research-projects/archaeology/schoningen---archaeozoological-research
- FISHARC: https://www.researchgate.net/project/FISHARC-Fishing-Ancient-Resources-to-Address-current-Concerns
- al-Madam: https://www.uam.es/otroscentros/asirioliayegipto/proyectos/proy_almadam.html

Collaborations

Some of these projects would not be possible without close collaboration with other institutions. We have recently strengthened our relationship with Shandong University (China) through the appointment of Thijs van Kolfschoten as Guest Professor in Archaeology. This collaboration will allow more straightforward development of research and education between the two partners.

Within Europe, Dr Laura Llorente Rodríguez is part of the research group of the Laboratorio de Arqueozoología (LAZ-UAM) and the Centre for Near East and Egypt, key partners on the ongoing projects she is involved in alongside the BioArCh centre at the University of York, UK.

- Look for us on Facebook: https://www.facebook.com/pg/LASLeiden/about/?ref=page_internal
- Department of Archaeological Sciences: https://www.universiteitleiden.nl/en/archaeology/archaeological-sciences

50 years for the Osteoarchaeological Research Laboratory at Stockholm University

Contributed by Jan Storå and László Bartosiewicz, Stockholm University, Sweden (bartwicz@yahoo.com)

The Osteoarchaeological Research Laboratory at Stockholm University, Sweden, has just celebrated its 50th anniversary. Osteoarchaeology, the study of both animal and human remains from archaeological sites, falls within the overlap between natural sciences and humanities, as osteological data form the basis for the archaeological interpretation of culture and history. Following a 1967 initiative by Nils-Gustaf Gejvall (Figure 1), a zoologist by training, the Osteoarchaeological Research Laboratory was opened at premises in Ulriksdals Kungsgård, north of Stockholm. The laboratory was established with support from King Gustaf VI Adolf’s 80-year Fund for Swedish Culture and the Knut and Alice Wallenberg Foundation, and moved to the historic stables in Ulriksdal Palace (Figures 2–3). With the opening of this new research laboratory, osteoarchaeology gained a safe position at the university, providing opportunities for lecturing on the subject. Both basic and more specialized applied research have also been conducted at this institution.

Figure 1 Nils-Gustaf Gejvall (1911–1991)
Gejvall, who specialized in both animal and human osteoarchaeology, led the new institution during its first decade. He carried out ground-breaking research in the identification of, for example, cremated remains. The first PhD dissertation written in the newly founded laboratory was by Elisabeth Iregren (published in 1972), and was a study of cremated Iron Age human as well as animal bones.

The foundation of this laboratory took place during the heyday of archaeozoology, as an appreciation of post-World War II archaeological bone studies gradually increased world-wide, along with the emergence of the ‘New Archaeology’, which promoted a distinctly scientific approach to archaeology. Rights for the cover picture of Ian W. Cornwall’s seminal 1956 book, *Bones for the Archaeologist* were acquired, and the artwork still decorates our laboratory for graduate students (Figure 4).

Cornwall’s position at the Institute of Archaeology (University of London, UK) was inherited by Don Brothwell, as senior lecturer in zooarchaeology in 1974. In his memoir, Brothwell remembers fondly his cooperation with Gejvall, which had begun in 1959, before the Osteoarchaeological Research Laboratory had even been established. In 1989, Brothwell was granted an honorary doctorate degree at Stockholm University in recognition of his scholarly activities at our institution (Figure 5).

By 1968, Gejvall had already received a contract to study the large animal bone assemblage from Eketorp fort, the renowned Iron Age site in south-eastern Öland. Over a decade this enterprise grew into a major international cooperative project conducted out of our laboratory, that involved Joachim Boessneck and Angela von den Driesch of the Institut für Paläoanatomie, Domestikationsforschung und Geschichte der Tiermedizin in München, Germany.

In 2005, the laboratory was moved, together with other branches of archaeology, into a modern building in Frescati, near the main campus of Stockholm University (Figure 6).
6). Our facilities, including collections, teaching laboratories, a seminar room, a library and workshops, in addition to staff offices, occupy the ground floor of the Department of Archaeology and Classical Studies.

The osteoarchaeological collections consist of our own modern reference material and archaeological finds, as well as skeletons on loan from various museums, mostly from the Swedish History Museum and the Swedish Museum of Natural History. The animal bone collections consist of 1203 registered items, some being mounted skeletons from the Swedish Museum of Natural History. In addition to the disarticulated skeletons of common domesticates, our teaching collections include complete reference specimens of the most important Nordic wild mammalian, bird and fish species.

Today osteoarchaeology is one of the four specialisms taught at the Department of Archaeology and Classical Studies within the framework of general archaeology. Teaching is broadly based. Throughout the fourth semester of their studies, undergraduate students receive intensive training in identifying archaeological bone remains (both animal and human), including minute cremated fragments. Student numbers are limited by the 14 working places in the laboratory (Figure 7).

The 2-year long Masters programme has a maximum capacity of six students each year. They usually carry out detailed analyses of particular sites or specific osteoarchaeological problems. Last but not least, the laboratory has the capacity to admit and train a few doctoral students, on average every other year. The doctoral students are engaged in specialized research, encompassing a great variety of topics within the scope of our institution. Theses written between 1972 and 2018 show an emphasis on animal-related topics, while a minority have considered general osteological problems equally relevant to ancient animals and humans (Figure 8).
The animal-orientated theses encompass a broad range of species. Cattle and seal have been more frequently singled out for specific study than others, while several dissertations have focused on an overview of various wild and domestic animals and occasionally birds or fish (Figure 9). So far the chronological distribution of PhD topics has been dominated by the analyses of Stone Age and medieval bone materials.

In Sweden all doctoral dissertations must be published prior to their public defence. Since 2004, the laboratory’s own series *Theses and Papers in Osteoarchaeology* has become an important forum for these works (https://www.archaeology.su.se/publikationer/v%C3%A5ra-publikationer/osteoarkeologiska-forskningslaboratoriet/serier/theses-and-papers-in-osteoarchaeology-1.35473).

Between 1974 and 1989, OSSA (Figure 10) was a journal published by the Osteological Research Laboratory. Its international editorial board encouraged the submission of scholarly articles in English and German. Sixteen volumes of various lengths (including two Letters and three Supplements) were published. Our departmental home page contains scanned copies of the entire volumes, from which individual articles and authors can be located using the online table of contents and author index (https://www.archaeology.su.se/publikationer/v%C3%A5ra-publikationer/osteoarkeologiska-forskningslaboratoriet/ossa).

Staff and students at Osteoarchaeological Research Laboratory celebrated the 50th anniversary by opening the laboratory to members of the wider public, presenting hands-on demonstrations of our trade (Figure 11). A Facebook page, Osteoarchaeological Research Laboratory https://www.facebook.com/search/top/?q=osteoarchaeological%20research%20laboratory&epa=SEARCH_BOX, has also been launched. During the 2018 fall semester, a series of four public lectures was organized for the anniversary, highlighting our teaching and research activities.
The first ICAZ meeting that I attended was in London in 1982, organized by Caroline Grigson and Juliet Clutton-Brock. Three years earlier I had finished my archaeology studies at University College London and decided that it would be more interesting to study animal bones than the pots in which they were cooked, and had embarked on a PhD at the London University Department of Extra-Mural Studies under the supervision of Tony Legge. In 1982 it was an exciting experience to hear people lecture who had only been names to me up to that point. I missed out on the social life as I had young children at home, but I did meet some new people, including László Bartosiewicz.

My first ICAZ experience away from home was Bordeaux in 1986. For the first time I got to know overseas colleagues and found that what many people were doing was highly relevant to my own research on the mammals, birds and fish from Scottish sites. The 1986 conference was notorious for the unexpectedly poor standard of the food (we were in France!) and for lectures that overran or were cancelled. It was unforgettable for me because I was the last speaker on the programme and my time slot was constantly being changed. Since then, I calculate, I have been to every ICAZ conference except Mexico City.

The most valuable aspect of ICAZ for me has been the working groups. In the 1980s I was still working on fish as well as birds and mammals. The Fish Remains Working Group (FRWG) meetings in York, Schleswig-Holstein and Panama were tremendously useful for learning about the potential of fish bone interpretation as well as for gaining tips on fish bone identification. After Arturo Morales inaugurated the first Bird Working Group (BWG) meeting in Madrid, the University at Southampton was happy to encourage me to organise the second meeting there: provided, of course, that I followed my full programme of day-to-day work as well, probably a typical experience for meeting organizers.

In the 1980s I found that there were great advantages in having all the papers delivered in a single session, as it gave zooarchaeologists an international perspective that many other aspects of archaeology lack. We were exposed to the then rather different research traditions (German, French, American) and we learned what was going on all over the world. An important aspect of ICAZ in that decade was that it brought together people from both sides of the Iron Curtain, again an experience not available to many people. I met Hans-Herman Müller and Manfred Teichert: names only too familiar to someone who was trying to separate sheep and goats. Parallel sessions have been unavoidable since the 1990 meeting in Washington, as numbers of zooarchaeologists have increased; it has inevitably led to zooarchaeology specialisms becoming more fragmented, but at the same time the broadening scope of zooarchaeology over the past 40 years has helped the subject transform itself from being a disregarded appendix to a site report to an integral part of archaeological research programmes.
The transformation of ICAZ into a democratic institution in the 1990s was also important for broadening its international scope. I liked the way that when fees were introduced ICAZ adopted a fee structure that made it easier for members from less wealthy countries to belong.

The format of meeting plus field trip that has been adopted by the main conference and the working groups is ideal for cementing collaborations and personal friendships. The field trips are an excellent way to see new countries in the company of people who really know about what we are looking at, not just the fauna but also the environment and history.

My personal worst ICAZ memory, not surprisingly, was being the last speaker on the programme at Bordeaux. Immediately afterwards I travelled back to England on a bus with Barbara Noddle and heard all about her cats. Our bus was the last vehicle to board the ferry from Zeebrugge to Harwich and I was surprised to see that the ferry left the dock about two minutes later with its bow door still open. We got to England safely; the infamous sinking of that ferry happened a few months later. Another vivid memory is of the field trip after the FRWG meeting in Panama in 1991. We returned to our hotel late after a visit to a sandy beach where we had visited a fish market, seen frigate birds and snorkelled. The heat was tropical, and many of us jumped straight into the hotel swimming pool in our clothes to cool off. We emerged to eat supper and dance to a marimba band: and woke up the next morning covered in mosquito bites.

Another meeting that, of course, will be quite unforgettable for me is the recent BWG meeting in Sheffield. I was hugely flattered, and not a little embarrassed, that Umberto Albarella and his committee decided the meeting should be held in my honour. It was a highly successful meeting with a record number of participants and I found every moment memorable as I was hearing about the research that old friends and new colleagues in the bird world were doing.

In the past I have been disappointed that quite a few of the ICAZ meetings (conference as well as working groups) did not publish proceedings. All those conference papers prepared with such care that never see the light of day! The situation is now improving but I hope the ICAZ committee, among all its other tasks, continues to take a proactive role in encouraging publication and helping conference organizers if needed with advice on the best way to set about it. A format such as that taken after the Durham conference is probably ideal: the organizers took a proactive role in finding a publication outlet and cajoled and encouraged session organizers to take responsibility for publication of their own sessions. Other than that, the single most useful resource for zooarchaeologists is to have electronic access to bone reports and bone measurements. We are lucky to have a website hosted by Alexandria Archive and I hope that they will expand this resource and host these data.

In the future I think it continues to be important for the international conferences and the working group meetings to be a focus for zooarchaeology from all over the world, and to help to mitigate the problems that arise in our discipline, as in others, from the worsening disparities of wealth between the developed and the developing world.

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**ICAZ Membership**

To join ICAZ or renew your membership, visit the Membership section of the ICAZ website, [https://www.alexandriaarchive.org/icaz/membership-join](https://www.alexandriaarchive.org/icaz/membership-join). Dues may be paid online or via post. Questions and inquiries may be emailed to the treasurer, Suzanne Pilaar Birch, [sepbirch@uga.edu](mailto:sepbirch@uga.edu).
The ICAZ Publications List is Now Online!

Please remember you can view and download the latest zooarchaeology references in our Zotero library: https://www.zotero.org/groups/353233/icaz. The complete list of publications submitted to recent newsletters is also visible on the ICAZ website: https://alexandriaarchive.org/icaz/publications-zooarch.

Many new publications were submitted by ICAZ members to this issue of the Newsletter. We have chosen to highlight just a few of the great works that zooarchaeologists all over the world have published recently. These publications provide a very brief sample of the important and very diverse research carried out recently in zooarchaeology! Please remember to submit your newest publications to Idoia Grau-Sologestoa (icaznewsletterassistant@gmail.com) so that they can be included in the ICAZ database.

Care or Neglect? Evidence of Animal Disease in Archaeology
Edited by Bartosiewicz, L., Gál, E.
ISBN 9781785708893

This volume presents a collection of studies in the discipline of animal palaeopathology. An international team of experts offers reviews of animal welfare at ancient settlements from both prehistoric and historic periods across Eurasia. Several chapters are devoted to the diseases of dog and horse, two animals of prominent emotional importance in many civilisations. Curious phenomena observed on the bones of poultry, sheep, pig and even fish are discussed within their respective cultural contexts. Many poorly healed bones are suggestive of neglect in the case of ordinary livestock. On the other hand, a great degree of compassion may be presumed behind the long survival of seriously ill companion animals. In addition to furthering our better technical understanding of animal disease in the past, this volume also mirrors the diversity of human attitudes towards animals during our millennia-long relationship. Some animal bones show signs of extreme cruelty but others also reveal the great attention paid to the recovery of sick animals. Such attitudes tend to be a largely hidden yet are characteristic aspects of how people relate to the surrounding world and, ultimately, to each other.

https://www.oxbowbooks.com/oxbow/care-or-neglect.html
Raptor and Human: Falconry and Bird Symbolism Throughout the Millennia on a Global Scale
Edited by Gersmann, K.-H., Grimm, O.
2018 Schleswig: Centre for Baltic and Scandinavian Archaeology (ZBSA)
Advanced Studies on the Archaeology and History of Hunting 1.3
ISBN 9783529014901

Falconry, the art of hunting with birds and a human heritage, has left a lot of evidence: from western Europe and North Africa in the west to Japan in the east. The earliest evidence of falconry dates back to the first millennium BC, in central Asia, by the so-called equestrian nomads, from where the knowledge of this form of hunting spread. In this book, falconry and bird symbolism are considered over thousands of years on different continents. The book, four volumes with around 2000 pages, is based on a workshop at the ZBSA in 2014, but the publication has been substantially expanded and now includes contributions from more than 100 authors from around 20 countries. The research on falconry at the ZBSA continues: a second book based on a conference held in March 2018 at the New York University Abu Dhabi (United Arab Emirates) is in preparation.


North Sea Fish and their Remains
Edited by Camphuysen, K.C.J., Henderson, P.A.
2017 t’Horntje and Pennington: Royal Netherlands Institute of Sea Research (NIOZ) and Pisces Conservation Ltd
ISBN 9781904690658

The introductory chapters and glossary provide invaluable background knowledge and information. In most cases, the book has 1–3 full pages for each species, with a series of images and drawings showing all the key features, and the text presenting information on size, colour, diagnostic features, similar species, distribution and life history, commercial and recreational fishing, and human consumption. For each species, if the information is available, there then follows a description and images of the potential remains; otoliths, vertebrae and other skeletal parts. The usefulness of the various parts for identification is discussed, and formulae for calculating fish length from (e.g.) otolith or vertebral length are provided. Most of the photographs in the book have been taken by Pisces Conservation and NIOZ staff, showing actual specimens as they are likely to be encountered, rather than an idealised image. Fish remains such as otoliths, vertebrae, premaxillae and cleithra have been very carefully prepared and photographed for maximum detail.

http://northsea-fish.com/?page_id=50
Zooarchaeology in Practice. Case Studies in Methodology and Interpretation in Archaeofaunal Analysis
Edited by Giovas, C.M., LeFebvre, M.J.
2018 Heidelberg: Springer
ISBN 9783319647616

Contributing authors draw on geographically and taxonomically diverse datasets, providing instructive approaches to problems in traditional and emerging areas of methodological concern. Readers, from specialists to students, will gain an extensive, sophisticated look at important disciplinary issues that are sure to provoke critical reflection on the nature and importance of sound methodology. With implications for how archaeologists reconstruct human behaviour and palaeoecology, and broader relevance to fields such as palaeontology and conservation biology, *Zooarchaeology in Practice* makes an enduring contribution to the methodological advancement of the discipline.

https://www.springer.com/de/book/9783319647616

Archaeozoology of the Near East XII
Proceedings of the 12th International Symposium of the ICAZ Archaeozoology of Southwest Asia and Adjacent Areas Working Group, Groningen Institute of Archaeology, June 14-15 2015, University of Groningen, the Netherlands
Edited by Çakır, C., Chahoud, J., Berthon, R., Pilaar Birch, S.
2018 Eelde: Barkhuis
ISBN 9789492444745

The first international meeting of the Archaeozoology of Southwest Asia and Adjacent Areas (ASWA) working group of the International Council for Archaeozoology (ICAZ) took place at the University of Groningen in 1992. Ever since, ASWA meetings have served as an inspiring gathering for those conducting archaeozoological research in Southwest Asia, the Eastern Mediterranean, North Africa, Central Asia and the Caucasus. This book contains 16 papers presented at the 12th ASWA meeting hosted at its inaugural institution, the University of Groningen, Groningen Institute of Archaeology, as a continuation of the usual series and to celebrate the career of Dr Hijlke Buitenhuis, associated member and alumnus of the institute, co-organizer of the first ASWA meeting.

Like other ASWA proceedings before it, this volume is full of novel theoretical and methodological approaches and new research results, tackling a large variety of topics, from the geometric morphometrics of sheep in the Pre-Pottery Neolithic Period to Predynastic fishing in the Upper Nile, to the biogeography of hartebeest and hemione, and covering the vast region stretching between Hungary in the west and Azerbaijan in the east. The volume also features an opening article by ASWA founding member M. A. Zeder on the future of archaeozoology in the region. In honour of Dr Hijlke Buitenhuis, his full bibliography is featured herein.

RECENT JOURNAL ISSUES

Journal of Archaeological Science: Reports
https://www.sciencedirect.com/journal/journal-of-archaeological-science-reports/vol/20/suppl/C

Archaeofauna
We are delighted to announce the publication of the 2018 issue of Archaeofauna. In 2018, each contribution has been assigned a DOI and can be found on the journal’s webpage, https://revistas.uam.es/archaeofauna. There you can find all past issues since 1993 (No. 2).

An open access policy is provided for all issues except the current year. This is because of publishing costs, given that the journal is only partially funded. The board of editors is working to find a solution to provide unrestricted access to all issues in the future. The distributor is Pórtico Librerías (portico@porticolibrerias.es), should you be interested in ordering a paper version of the journal, including the most recent.

If you are interested in submitting a manuscript, please contact the main editor, Arturo Morales Muñiz arturo.morales@uam.es or Laura Llorente (lallarual@gmail.com). As you may know, Archaeofauna is a multilingual journal, where contributions can be published in Spanish, English, German and French. Please see the Information to Authors section on the back cover of any of the journal issues for further details.

Are you receiving e-mails from ICAZ?

ICAZ sends periodic emails to its members. If you are an ICAZ member but are not receiving emails from ICAZ, please check your spam folders and adjust your inbox setting to make sure you stay updated. If you are not receiving emails at all, your email address may need to be updated or your membership may have lapsed: check https://www.alexandriaarchive.org/icaz/membership-join to find out your status, join and renew.
Call for book proposals

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No. 1: The Archaeology of Mesoamerican Animals
Edited by Christopher M. Goitz and Kitty E. Emery
ISBN 978-1-937040-65-5 (paper) • 780 pages • $85.00

No. 2: The Wide Lens in Archaeology: Honoring Brian Hesse’s Contributions to Anthropolgical Archaeology
Edited by Justin Lev-Tov, Paula Wagner, and Allan Gilbert
ISBN 978-1-937040-95-6 (paper) • 516 pages • $64.95

Archaeobiology
Research at the ancient interface of the natural and social worlds

Editors: Sarah Whitcher Kansa and Justin Lev-Tov

Archaeobiology is a peer-reviewed monograph series featuring research on biological remains from archaeological sites. Contributions are invited from all archaeological subdisciplines that deal with the interpretation and analysis of human interaction with plants and animals throughout history and prehistory. While the series focuses on all aspects of zooarchaeology and paleoethnobotany, it also draws on human osteology, interaction with the landscape, ancient textiles, and archaeogenetics. The geographic scope of the series is global and cross-disciplinary topics are especially encouraged.

More information and book proposal guidelines are available at www.lockwoodpress.com/archaeobiology.html
UNDERSTANDING ZOOARCHAEOLOGY I
A short course for archaeology and heritage professionals, students and enthusiasts
14th - 16th January 2019

Animal bones and teeth are among the most common remains found on archaeological sites.

The University of Sheffield Zooarchaeology short course uses short theoretical lectures, practical sessions and case-studies to provide training in the theory and methods that can be used to understand animal remains in archaeology.

For more information, please email zooarch-shortcourse@sheffield.ac.uk

UNDERSTANDING ZOOARCHAEOLOGY II
A short course for those who have a basic knowledge of zooarchaeology
For professionals, students and enthusiasts
17th - 19th January 2019

The main aim of zooarchaeology is to understand the interaction between humans and animals, through the study of animal remains from archaeological sites.

The University of Sheffield Zooarchaeology short course uses practical sessions, case-studies, and an overview of zooarchaeological theory so that participants can experience the whole range of knowledge and skills required by the discipline, with the opportunity to work with an actual faunal assemblage.

For more information, please email zooarch-shortcourse@sheffield.ac.uk

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**ICAZ Calendar 2019**

**10–13 JANUARY 2019**
Joint Conference on the Bioarchaeology in Egypt & and the International Symposium of Animals in Ancient Egypt
American University in Cairo, Egypt
Email: info@BAE2019.org
Internet: www.BAE2019.org

**14–19 JANUARY 2019**
Understanding Zooarchaeology I + II
Short courses
University of Sheffield, UK
Email: zooarch-shortcourse@sheffield.ac.uk
Internet: http://www.sheffield.ac.uk/archaeology/research/zooarchaeology-lab/short-course

**6 FEBRUARY 2019**
Messer im Griff – Wir schnitzen einen Messergriff aus Knochen oder Geweih
Workshop
Museum Jagdschloss Kranichstein, Darmstadt, Germany
Email: anfrage@jagdschloss-kranichstein.de
Internet: jagdschloss-kranichstein.de/programm/veranstaltungen/workshop

**11–16 MARCH 2019**
Human, Beast and Landscape: A Diachronic Study of Hunting and Human–Animal–Relationship in Northern Europe and the Baltic Sea Area
Session at the International Open Workshop 2019
Universität Kiel, Germany
Email: ulrich.schmoelcke@ZBSA.EU

**21–24 MARCH 2019**
49th Annual Meeting of the Middle Atlantic Archaeology Conference (MAAC)
Ocean City, Maryland, USA
Email: Elizabeth.moore@vmnh.virginia.gov

**22–23 MARCH 2019**
Fierce Lions, Angry Mice and Fat-Tailed Sheep: Animal Encounters in the Ancient Near East
Conference
McDonald Institute for Archaeological Research, Cambridge University, UK
Email: lr459@cam.ac.uk, amm36@cam.ac.uk
Internet: aneanimalencounters.wordpress.com

**30 MARCH 2019**
Kämme selbst schnitzen aus Geweih oder Knochen
Workshop
Museum Jagdschloss Kranichstein, Darmstadt, Germany
Email: anfrage@jagdschloss-kranichstein.de
Internet: jagdschloss-kranichstein.de/programm/veranstaltungen/workshop

**10–14 APRIL 2019**
Zooarchaeology and Technology: Case Studies and Applications
Session of the Zooarchaeology Interest Group (ZIG) at the 84th Annual Meeting of the Society for American Archaeology (SAA)
Albuquerque, New Mexico, USA
Email: jcrambil@uga.edu
Internet: saa.org/AbouttheSociety/AnnualMeeting/tabid/138/Default.aspx

**13–27 APRIL 2019**
Congreso Nacional de Zooarqueología Argentina
San Fernando del Valle de Catamarca, Argentina
Email: 5cnzooarqueologia@gmail.com

**20–23 MAY 2019**
1st Conference on Wild and Domesticated Mammal Hair (WDMH)
Budapest, Hungary
Email: maria.tothronkay@gmail.com, naspika@yahoo.com
Internet: 1st-conference-mammal-hair.elte.hu/index.php

**23–26 MAY 2019**
Beautiful Anomalies: 7th Meeting of the ICAZ Animal Palaeopathology Working Group (APWG)
University of Tartu, Estonia
Email: everannamae@gmail.com
Internet: animalpalaeopathologywg.wordpress.com

**3–7 JUNE 2019**
14th meeting of the ICAZ Archaeozoology of South-West Asia Working Group (ASWA)
Archaeological Museum of Catalonia, Barcelona, Spain
Email: aswaa14@gmail.com
Internet: alexandriaarchive.org/icaz/workaswa
The new ICAZ membership registration site has a searchable member database, which is accessible only to current ICAZ members. The database contains contact information, interests and brief bios for all members. **This is an opt-in database, so please take a moment to log in to the new system and add yourself to the database.**

Here's how to add yourself to the member database:

2. If you know your login info, enter it here and go to Step #6.
3. If you do not have login info, enter your **username, which is the email address** at which you receive email messages from ICAZ. Leave the password field blank.
4. Scroll down to below the orange Log In button and click on ‘Reset Password’.
5. You will receive an email with a new password. Log in with this information.
6. Go to ‘Member Database Addition’ ([http://alexandriaarchive.org/icaz-wp/member-database-addition/](http://alexandriaarchive.org/icaz-wp/member-database-addition/)) to add yourself to the database (using your membership email address)
7. You are done! If you wish, you can go to ‘My Account’ ([http://alexandriaarchive.org/icaz-wp/account/](http://alexandriaarchive.org/icaz-wp/account/)) to update your mailing address and country.

Please contact Sarah with any questions: sarahkansa@gmail.com

Thank you!

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**21–23 JUNE 2019**  
8th Meeting of the Postgraduate ZooArchaeology Forum (PZAF)  
Matenadaran, Armenia  
Email: pzaf.yerevan@gmail.com

**26–30 AUGUST 2019**  
20th Meeting of the Fish Remains Working Group (FRWG)  
Portland, Oregon, USA  
Email: virginia@pdx.edu  
Internet: alexandriaarchive.org/icaz/workfish

**20 SEPTEMBER 2019**  
2nd Meeting of the ICAZ Marine Mammal Working Group (MMWG)  
University of Cambridge, UK

**7–12 OCTOBER 2019**  
13th meeting of the ICAZ Worked Bone Research Group (WBRG)  
University of Montreal, Canada  
Email: christian.gates-st-pierre@umontreal.ca  
Internet: https://wbrg2019.ca

**17–18 OCTOBER 2019**  
8th Meeting of the ICAZ Archaeozoology, Genetics and Morphometrics (AGM) Working Group  
Natural History Museum Paris, France  
Email: cucchi@MNHN.FR  
Internet: icaz-agpm2019.sciencesconf.org