



NEWSLETTER OF THE AMERICAN MALACOLOGICAL SOCIETY



OFFICE OF THE SECRETARY
DEPARTMENT OF MALACOLOGY, ACADEMY OF NATURAL SCIENCES
1900 BENJAMIN FRANKLIN PARKWAY, PHILADELPHIA PA 19103-1195, USA

VOLUME 45, NO 2. FALL 2014

<http://www.malacological.org>

ISSN 1041-5300

ANNOUNCEMENTS



AMS 2015
UNIVERSITY OF MICHIGAN BIOLOGICAL STATION
AUGUST 28-31, 2015

Submitted by Tom Duda, president AMS

The 81st annual meeting of AMS will take place from August 28 to 31, 2015 at the University of Michigan Biological Station (<http://www.lsa.umich.edu/umbs/>). The meeting will feature a keynote address by Alison Sweeney who investigates the evolution and functional diversity of optical devices of molluscs that are associated with vision and camouflage and that facilitate photosynthesis of symbionts. A special symposium, “Early Career Malacologists”, will showcase the work of researchers in the early stages of their career, especially students, and highlight fresh directions in the study of molluscs. Jingchun Li and Alvin Alejandro are organizing the symposium—please feel free to suggest invitees to this symposium to Jingchun (jingchun@umich.edu). An additional session on freshwater molluscs, “Great Lakes Malacology”, is also in the works. The tentative meeting schedule includes a welcoming reception on 8/28, oral presentation sessions on 8/29 through 8/31, a poster session and auction to

raise funds for student research on 8/29, a banquet on 8/30 and opportunities for field trips on 8/31.

The meeting’s venue is situated on the shores of an inland lake (Douglas Lake) in northern Michigan, a region of the state that has attracted wilderness enthusiasts and summer trippers from all parts of the Midwest for over a century. Although marine molluscs are a far ways off, the station grounds and local areas abound with numerous varieties of freshwater and terrestrial molluscs! Onsite amenities at the station include a medium and large seminar room to host presentations, cabins for lodging, a dining hall for meals, and hiking trails that provide opportunities for local field excursions. Surrounding areas offer prospects for exploring state parks (e.g., Wilderness State Park and Cheboygan State Park), a designated dark sky park (Headlands International Dark Sky Park), beaches (yes, beaches!), Mackinac Island, the Upper Peninsula of Michigan, wineries, and craft breweries. Opportunities to visit the University of Michigan Museum of Zoology’s Mollusk Division collections will be available immediately following the meeting.

Information on registration, submission of abstracts as well as lodging and transportation options will be posted on the meeting’s website (<http://www.malacological.org/AMS2015.html>) in the beginning of 2015. Please direct any questions or suggestions for additional themed sessions to Tom Duda (tfduda@umich.edu).



OTHER UPCOMING MEETINGS

**AMS - Ensenada, Mexico
2016**

Submitted by Ángel Valdés, president-elect

The 82nd annual meeting of the American Malacological Society will take place in Ensenada, Mexico, in conjunction with the Western Society of Malacologists. The venue will be the Universidad Autónoma de Baja California. Tentative dates are 10 - 14 of June, 2016. The organization will arrange for transportation between the San Diego International Airport and the venue.

The organization is exploring the possibility of having two field trips, one to the Valle de Guadalupe (including a cultural visit to an indigenous community and wine tasting) and another to the intertidal in the San Quintín area. Individuals interested in collecting will need a Mexican collecting permit.

Dr. Patrick Krug (CSULA) will organize the AMS sponsored symposium, title to be determined.

For more information contact:

Dr. Ángel Valdés

Department of Biological Sciences

California State Polytechnic University

3801 W. Temple Ave.

Pomona, California 91768-4032

Phone: (909) 869-4064

Email: aavaldes@csupomona.edu

✱
**World Congress of Malacology
Penang, Malaysia
2016**

Submitted by Aileen Tan Shau-Hwai

The World Congress of Malacology (WCM) is the triennial event of Unitas Malacologica (UM) and we welcome you to be part of it. Malaysia is proud to be hosting the congress for the very first time. The congress is open to all contributions in the field of malacology and will host symposia as well as contributed papers and posters.

High diversity in the scope of papers covering all aspects of molluscs are welcome. The organizing committee would like to take this opportunity to extend invitation for all to propose symposia themes

for which you are prepared to act as symposium organizer. The following symposium themes have been proposed:

- Ecology of marine molluscs
- Molluscan aquaculture in a changing climate
- Molluscan biodiversity and biogeography in the Indo-West Pacific
- Integrating molecules, morphology, biology and biogeography in “Opisthobranch” research

WCM2016 will be an opportunity for the international malacology community – academics, researchers, etc. to present their work, exchange ideas, and develop collaborations and networking with other countries.

The WCM2016 congress will be held in the beautiful island of Penang, Malaysia. Penang has been long regarded as the food capital for Malaysia and is known as the ‘Pearl of the Orient’. Penang has been listed as a UNESCO World Heritage Site since 2008 for its heritage buildings, art, and culture. The Congress is planned to be held in June 2016, which coincide with the fruit season in Malaysia. This will enable all international participants to have the opportunity to taste the local tropical fruits especially the King of Fruits (durians). I am confident that Penang will be a place full of excitement for all, and I would like to invite all of you to come and see for yourself.

I am looking forward to your participation in Penang in 2016.

Aileen Tan Shau-Hwai
President UNITAS Malacology
Chair – WCM2016
aileen@usm.my

✱
**Public Consultation on North America’s Coasts
in a Changing Climate – Live webcast
November 6-7, 2014**

Join the Joint Public Advisory Committee (JPAC) of the Commission for Environmental Cooperation (CEC) of North America, on 6–7 November 2014, in Arlington, Virginia, to have your voice heard about how we can best conserve and restore our vital coastal areas that provide one of the few natural mechanisms for counteracting ocean acidification and other climate change impacts, as well as providing other key benefits such as carbon storage, food security, and protection from storm surges and flooding.

During the two-day meeting, leading experts will engage the audience in discussing issues, challenges, and opportunities for developing strategies to address the effects of climate change on coastal ecosystems, trilateral opportunities to enhance and restore those ecosystems, and ways for coastal communities to thrive as they face the current and future effects of extreme weather events, coastal erosion and rapid development.

Meeting attendees will actively identify opportunities for collaboration and initiatives that the three countries could develop or add value to on coastal ecosystems under the CEC's 2015–2020 Strategic Plan. The outcome of the meeting will be recommendations that JPAC will present to the CEC Council—North America's highest-level environmental authorities. To view the full agenda or to register free of charge, visit www.cec.org/JPACArlington. The meeting will be webcast live at www.cec.org/webcast.



**Second International Meeting on Biology and
Conservation of Freshwater Bivalves
October 4-8, 2015
SUNY Buffalo State, NY**

We are pleased to announce the Second International Meeting on Biology and Conservation of Freshwater Bivalves to be held on October 4-8, 2015 at SUNY Buffalo State in beautiful Buffalo, NY, USA. There will be several thematic oral and poster sessions, including: Biology and ecology; Threats and conservation needs; Invasive species; Biogeography and taxonomy; Phylogeny and genetic diversity; Physiology and reproduction; Ecosystem services and functioning.

DEADLINES:

Early registration: April 30th

Abstract submission: April 30th

Late registration: October 1st

Updated information will be available soon at our website: <http://greatlakescenter.buffalostate.edu>



OTHER NEWS & ANNOUNCEMENTS

Advanced access publication coming to AMB!

Contributed by Colleen Winters and Fabio Moretzsohn, AMB Editor-in-Chief and Managing Editor.

Starting with Volume 33, the American Malacological Bulletin (AMB) will make articles available as Advanced Access on BioOne.org before an issue is completed. The final, author-checked and approved proof that has been accepted for publication, gone through peer-review, copyedited, and formatted, will be posted with a digital object identifier (doi), data of publication, and a statement that it is part of an in-progress issue. Once the issue is completed and published, the final article with final pagination will be replaced at BioOne.org. The articles in Advanced Access will be identical to the final articles except for the final pagination, which will be assigned when the issue is completed and published.

Advanced Access will considerably increase the speed of publication. Manuscripts that are submitted and processed early will benefit the most, thus encouraging authors to submit early. Advanced Access articles should be cited using the doi, which will remain the same once the issue is published.



MEMBERS CONTRIBUTIONS

AMS meeting 2014 synopsis

Contributed by Paul Valentich-Scott

From 22-27 June 2014, the American Malacological Society held a joint meeting with the Western Society of Malacologists, the Asociación Latinoamericana de Malacología, and the Sociedad de Malacología de México, at the Universidad Nacional Autónoma de México (UNAM), Mexico City. This conference, entitled Mollusca 2014: The meeting of the Americas, was the first meeting hosted by all four organizations.

By any measure, Mollusca 2014 was a huge success. Over 320 malacologists attended the meeting, contributing over 200 oral presentations and 150 posters, including contributing to 12 symposia. Delegates from North and South America were well represented at the meeting, along with participants from Africa, Asia, Europe, and Oceania.

In addition to a superb scientific program, hosts from UNAM and the four societies provide ample social opportunities, including the Presidents reception with home-made tamales, a lively auction at local bar, and a memorable final banquet with endless amounts of food and beverages.

Boone Award for Best Student Presentation awards were given at the final banquet. Congratulations to the following students for their accomplishments: Oral presentation: Xochitl G. Vital Arriaga, Universidad Nacional Autónoma de México, and two poster presentation awards: Christina Burdi, California State University Fullerton, and Caitlin M. Luebke, University of Wisconsin Stevens-Point.

As with any meeting, the primary goal was to bring scientists together to exchange ideas and foster future communication. In the aftermath of the meeting we have seen many new associations flourish, with numerous collaborative manuscripts already submitted to scientific journals.

The AMS deeply appreciates the organizational assistance provided by Edna Naranjo-Garcia, Brian Urbano, Deneb Ortigosa, and María Teresa Olivera Carrasco, all of whom made this an exceptional meeting.



The Eighth Annual Ohio (River) Valley Unified Malacologists Meeting [OVUM]

Contributed by Charles F. Sturm, Timothy A. Pearce, and Yurena Yanes

The 8th annual meeting of OVUM was held on 27 September 2014 at the University of Cincinnati, Cincinnati, Ohio. The meeting was convened by Dr. Yurena Yanes. There were 15 people in attendance including professionals, students, and amateurs. The eight presentations covered gastropods, bivalves, polyplacophorans, modern and fossil mollusks from marine, freshwater and terrestrial realms, as well as shell collection management.

Stable Isotope Ecology of Land Snails from Fairbanks, Alaska.

Yurena Yanes, Department of Geology, University of Cincinnati, Cincinnati, OH.

yurana.yanes@uc.edu

High-latitude land snails from boreal forests record the signature of the vegetation and the precipitation in their carbon and oxygen stable isotope values. Fossil land snails from Alaska will provide credible paleoenvironmental information of the recent past.

The Annulariidae of Central America.

G. Thomas Watters, Museum of Biodiversity, Ohio State University, Columbus, OH.

watters.1@osu.edu

The Central American Annulariidae were discussed. Eighteen species are recognized. Central America may be the ancestral source of other Annulariidae.

Recovering an Endangered Mussel: the Northern Riffleshell.

G. Thomas Watters, Museum of biodiversity, Ohio State University, Columbus, OH.

watters.1@osu.edu

Over 7 years, approximately 10,000 Northern Riffleshells (*Epioblasma torulosa rangiana*) have been translocated from Pennsylvania to Ohio as part of the recovery of this federally endangered species. All are fitted with passive integrated transponders. The challenges of arranging the translocations and follow up monitoring were discussed.

Land Snails on San Clemente Island, CA: Status Report on New Finds.

*Timothy A. Pearce**, *Charles A. Drost*, *Jeffrey C. Nekola*, *Brian F. Coles*, and *Neil S. Cobb*, *Section of Mollusks, Carnegie Museum of Natural History, Pittsburgh, PA. [pearcet@carnegiemnh.org](mailto:pearcet@ CarnegieMNH.org)

To fulfill the US Navy's natural resources management plan for land snails, we surveyed on San Clemente Island from the different habitat types. Of 14 modern species, 5 taxa are endemic to the island. We documented 3 new species records for the island and one species new to science. Most species are widespread, but some occurred in uncommon habitats.

Management of Mollusk Collections - Dealing with Byne's and Glass Decay.

Francisco J. Borrero and *Paul Callomon*, Department of Malacology, Academy of Natural Sciences at Drexel University, Philadelphia, PA. borrerofoj@gmail.com

Seven conditions found within collections can negatively affect the long term quality of specimens. Byne's and glass decay are two

consequences of improper storage, which include non-archival quality materials and improper environmental (temperature, pH) conditions and their fluctuations. Byne's decay results in permanent damage. Effects of Byne's decay can be stopped or slowed down, but not reversed. Care of type specimens (name-bearing specimens) is particularly important, and preventing damage by employing appropriate conditions should be a priority.

Keying and Identifying the Bowling Green State University Shell Collection.

Avonelle Combs, Bowling Green State University, Bowling Green, OH. combsar@bgsu.edu

With 15,000 specimens in Bowling Green State University's possession, inventorying what species are among these numbers is key in both educating the public and helping the scientific community. The challenges of managing this collection was discussed.

The Oldest Known Multiplacophoran?

Kyle Hartshorn, *Dry Dredgers*, Cincinnati, OH. khartshorn1.0@gmail.com

I reviewed *Eobalanus* Ruedemann from the Upper Ordovician Indian Castle Shale of New York state. This problematicum was initially misidentified as a barnacle, but reinvestigation indicates it may actually be the oldest known multiplacophoran (Polyplacophora: Multiplacophora), extending the range of these Paleozoic chitons by ~25 million years. The type specimens are preserved in association with nautiloid cephalopod conches, perhaps giving a hint at their paleoecology.

Marginal Damage, Major Consequences: Effects of Sub-Lethal Shell Damage in *Mercenaria*.

Alex F. Wall, Department of Geology, University of Cincinnati, Cincinnati, OH. wallaf@mail.uc.edu

Non-lethal shell damage has been implicated as a barrier to the ability of bivalves to evolve robust shell armor. An experiment was conducted mimicking a fake busyconine whelk attack, breaching the margin of *Mercenaria* clams.



Participants at the 2014 Ohio (River) Valley Unified Malacologists Meeting. Back row (left to right): Avonelle Combs, Wesley Parker, Tom Watters, Tim Pearce. Front row: Francisco Borrero, Ieva Roznere,

Kyle Hartshorn, Yurena Yanes, Katherine Bulinski, Alex Wall. Not shown: Charlie Sturm (photographer), Lori Schroeder, Jeff Schroeder, and two others.

✦

Recent Indo-Pacific Triphoridae

Contributed by *Harry G. Lee, MD, FLS*
Jacksonville, FL shells@hglee.com

Because of significant confusion in the taxonomy in this group, in April, 2014 I began an annotated electronic bibliography dealing with Recent (Holocene) Indo-Pacific Triphoridae J.E. Gray, 1847 (Caenogastropoda). My intent is to list all publications in which new taxa were introduced. Each entry is contains an alphabetical listing of each new taxon: family-, genus-, and species-level, the latter presented alphabetically by reversed binomen without regard to combining genus. My intent is to simplify and improve the accuracy of triphorid identification. The fourth (16 September, 2014) edition of this work contains about 100 citations as well as a similarly-indexed account of primary type images at the MNHN, Paris. The resource is posted at <http://www.jaxshells.org/triphora.pdf>.

✦

Size Matters: Plasticity in Metabolic Scaling Shows Body-Size May Modulate Responses to Climate Change

Contributed by *Nicholas Carey*

Research work funded partly by the AMS (award to Nicholas Carey) has been published in *Biology Letters*:

Carey N, Sigwart JD. 2014. *Biol. Lett.* 10: 20140408. <http://dx.doi.org/10.1098/rsbl.2014.0408>

Nicholas Carey acknowledges the society for the financial support towards his research.



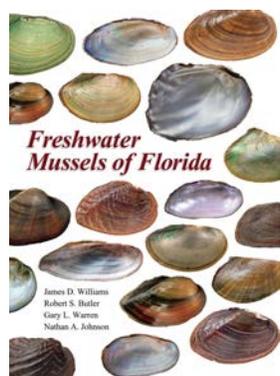
NEW PUBLICATIONS

Book on Freshwater Mussels of Florida
by **James D. Williams, Robert S. Butler, Gary L. Warren, and Nathan A. Johnson**
University of Alabama Press, Tuscaloosa, Alabama

Contributed by *James D. Williams*

Freshwater Mussels of Florida is a guide to all aspects of the freshwater mussel fauna in Florida. The book covers the ecology, biology, distribution,

and conservation of the 60 species of bivalve mollusks in the Sunshine State. In the past three decades, researchers, the public, and policy makers have given more attention to the threatened natural diversity of the Southeast, including freshwater mussels. This compendium meets the increasingly urgent need to catalog this imperiled group of aquatic organisms in the United States.



Each entry in this guide provides a detailed description and multiple figures of the species as well as select characteristics of its soft anatomy and miscellaneous notes of interest. Individual distribution maps pinpoint the historical and present occurrence of each bivalve species, and are just one component of the rich set of 307 figures, 74 maps, and 13 tables that illustrate the 498 page book. Of particular interest are remarkable electron micrographs of glochidia. The list price is \$49.95 (hard cover).



MINUTES OF THE ANNUAL BUSINESS MEETING

Presented by Amanda S. Lawless, Secretary

June 25, 2014

Anfiteatro, Universidad Nacional Autónoma de México, Mexico City

The meeting was called to order by President Paul Valentich-Scott at 6:00 pm.

A motion was made and passed to approve the minutes of the 2013 business meeting.

Executive and Committee Reports were presented:

President's Report: Presented by Paul Valentich-Scott. The Mollusca 2014 meeting brought together three societies for a total of 330 participants (~60 AMS members).

President Elect: Presented by Thomas Duda, Jr. The 2015 AMS Meeting will be held at the University of Michigan Biological Station (UMBS), located in northern Michigan on the shores of Douglas Lake, from August 28-31, 2015. UMBS is a self-contained campus which will offer an informal and camp-like atmosphere with numerous buildings for meetings and dining hall services. Lodging at UMBS will be ~\$60/night with nearby hotels available (~\$110/night). Plus, there will be opportunities for local field excursions.

A motion was made and passed to accept the 2015 meeting venue.

Vice President: Presented by Ángel Valdés. An online survey of the membership was conducted about preference in location of the 2016 meeting. The majority of the membership voted to hold a joint meeting with WSM in Ensenada, Mexico. The meeting would be held the end of June 2016 and take place at the University of Ensenada. There are no dorm rooms, however, local hotels are cheap and students will be assisted in finding affordable lodging. Travel will involve flying to San Diego and then either a shuttle will be organized or a car will need to be rented.

Treasurer's Report: Presented by Charlie Sturm. A balance of \$19,723 was reported for the end of the 2013 fiscal year with major expenses including AMB publishing, student awards and symposia.

Audit & Budget Committee Report: Presented by Thomas Duda, Jr.

INCOME

| | |
|--------------------------------------|-----------------|
| Dues/subscriptions | \$5,500 |
| Page charges | \$4,000 |
| Auction | \$1,500 |
| Bio One | \$18,500 |
| Universal Publishers | \$400 |
| Transfer from Symp/Student Endowment | \$6,000 |
| Transfer from Life Member Endowment | \$400 |
| Misc | \$50 |
| Total Income | \$36,350 |

EXPENSES

| | |
|--|-----------------|
| Publications (AMB, editorial expenses) | \$20,000 |
| Office expenses | \$150 |
| Bank expenses | \$1,700 |
| Web service | \$250 |
| Carriker | \$3,000 |
| Boone | \$1,000 |
| AIBS | \$250 |
| Symposium | \$6,000 |
| Council expenses (travel) | \$4,000 |
| Total Expenses | \$36,350 |

Motion to pass budget. Motion passed.

Endowment Committee Report: Presented by Rüdiger Bieler. The different endowments were discussed and it was reported the society earned \$32,000 from the endowments.

Membership Committee Report: No report was submitted. It was announced that this year the number of AMS Facebook followers doubled, showing it to be a good marketing tool.

Editor and Publications Committee Report: Presented by Fabio Mortezi Sohn for Colleen Winters.

The publication of the AMB has been moved from January to February and from July to August to accommodate the membership renewal deadline. The journal cover has been redesigned and the table of contents is now on the back cover instead of inside the journal. The current impact factor of the journal is 1.0 and is ranked 3rd among malacological journals. Older volumes of AMB will begin to be posted on the Biodiversity Heritage Library website this summer and recent volumes will be available on BioOne. Early publications of submitted papers will begin to be available on-line through BioOne. AMS is currently working on a way to get members access to BioOne. Non-essential supplemental parts of manuscripts will only be published on-line to help reduce page charges. There was a discussion about the pros and cons of enforcing page charges. A survey of the membership is going to be conducted to determine if members would prefer to have the AMB be available only on-line or whether they would rather pay for a paper copy.

Nominating Committee Report: Presented by Peter Marko. The Nominating Committee consisted of Peter Marko, Paula Mikkelsen, Jeanne Serb, Doug Eernisse and Paul Valentich-Scott. Positions were open and the following people nominated: President – Thomas Duda, Jr., President-Elect – Ángel Valdés, Vice President – Elizabeth Shea, Past President (4-10 Years) – Douglas Eernisse, Councilors-at-Large – Ellen Strong and Brad Seibel.

No nominations were received from the floor, and the slate was approved by motion.

Secretary's Report: Presented by Amanda Lawless. Highlights of the report were the continued maintenance and updating of the membership database, and assisting newsletter editor Christine Parent with the preparation and distribution of the 2013 fall and 2014 spring newsletters. Assisted Paul Valentich-Scott with preparations for the 2014 meeting, as well as assisting Tom Duda and Ángel Valdés with logistics for their meetings. AMS membership: 181 (44 students)

Conservation Committee Report: No report was submitted, but will be distributed later to the membership.

Student Awards Committee Report: Presented by Jeanne Serb. There were 26 great applicants for the 2014 Melbourne R. Carriker student research awards, which were given to the following students: Maria Rosa (University of Connecticut), Brain Turner (Portland State

University) and Jorge Alves Audino (University of São Paulo). The selection committee consisted of Jeanne Serb and Peter Marko. This year's meeting student awards committee consisted of Jeanne Serb, Kevin Roe, Ángel Valdés, José Leal, Fabio Moretzsohn, Dan Graf, Paula Mikkelsen, Jesús Troncoso and Peter Marko. 18 talks and 8 posters were eligible with the following awards being presented: Constance Boone Award – Oral presentation: Xochitl G. Vital Arriaga (Universidad Nacional Autónoma de México); Poster: Christina Burdi (California State University, Fullerton) and Caitlin M. Luebke (University of Wisconsin, Stevens Point).

Systematics Committee Report: Submitted by Charles Lydeard. Articles are continually being posted on the blog "Molluscan Musings". Since last year, 5 articles have been posted and the blog has received 3,959 page views since it began last March. The committee is open to suggestions to further promote and foster on-going systematic endeavors by AMS and welcomes guest contributors to write articles for the blog.

Resolutions Committee: Presented by Paula Mikkelsen. There are 3 spots available for honorary life members (there are usually 10 life members). Please contact Paula if you have suggestions for nominations.

Constitution & Bylaws Committee: Submitted by Gene Coan. No activities to report by the committee in 2013-2014.

President-elect Tom Duda presented President Paul Valentich-Scott with a gift in appreciation for his past year as president and putting a great meeting together.

Two past presidents and valued members of AMS passed away this year and were honored at the meeting. Roland Anderson (AMS President 2006) was honored by Alan Kohn and Dick Petit (AMS President 1988) was honored by Jerry Harasewych.

A motion to adjourn was made and passed.

Amanda S. Lawless, Secretary
Philadelphia, October 2014



MESSAGES FROM THE NEWSLETTER EDITOR

Contributions to the biannual AMS newsletter are always welcomed. Send articles, short notes or news items to **Christine Parent**, the newsletter editor, at the following address:

*Department of Biological Sciences
University of Idaho
875 Perimeter MS 3051
Moscow, ID 83844
E-mail: ceparent@gmail.com*