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ANNOUNCEMENTS

AMS 2017 83RD ANNUAL MEETING

UNIVERSITY OF DELAWARE
NEWARK DE

JULY 17-21, 2017

Submitted by Liz Shea, president AMS

Mark Your Calendars!



The 83rd meeting of the American Malacological Society (AMS) will take place 16-21 July 2017 at the University of Delaware in Newark, Delaware (There is also a major city and airport in Newark, New Jersey. Don't go there by

mistake!). The program will include symposia, contributed talks and posters, pre- or post-meeting workshops (if proposed), an auction in support of student research, social events, and local field trips. Full information about registration, events, schedules, accommodations, and submission of titles will be presented on the AMS website (<http://www.malacological.org/>) in late 2016. Please contact Liz Shea (eshea@delmnh.org) for further information or if you are interested in organizing a workshop or symposium to be held at the meeting.

The meeting venue will be Clayton Hall, part of the Laird Campus of the University of Delaware. The venue has multiple auditoriums, meeting rooms and space for informal conversations and social events. The adjacent dorm rooms are new, comfortable, and the buildings are full of amenities. The dining hall is affordable and convenient, but there are also many local eateries within walking distance. For those who prefer hotel accommodations, there is a Courtyard Marriott next door with a restaurant and coffee shop, workout facilities and pool.

Newark, Delaware is conveniently located between Philadelphia and Baltimore along the I-95 corridor, and can be accessed by planes (PHL or BWI), trains (station: NRK in Newark, DE) and automobiles. There is plenty of free parking on site. Those who may wish to come early, stay late, or develop a family outing around the meeting have a lot of options for fun, education and enrichment. Delaware beaches and parks are within a 2-hour drive, the gardens and museums of the Brandywine Valley are within 1 hour, and the great cities of New York, Philadelphia, Baltimore, Annapolis, and Washington, DC are all within reach.

I look forward to welcoming you to Delaware in 2017!



OTHER UPCOMING MEETINGS

**AMS 2018
HONOLULU, HAWAII
JUNE 2018**

Submitted by Norine Yeung, president-elect AMS

The AMS 2018 annual meeting will be held in Honolulu, Hawaii in June 2018. Average temperature for June is 27°C (80°F) so please dress accordingly! The dress code is business casual or aloha attire - short-sleeved collared shirts, short-sleeved or sleeveless blouses, khaki pants, jeans and skirts. Sandals and slippers (we do not call them "flip-flops" in Hawaii) are acceptable and there is no need for stockings. Please bring a jacket for air-conditioned indoor spaces. You are also welcome to dress more formally if you wish! More information about the meeting will be forthcoming in 2017.



AMS/WCM 2019**PACIFIC GROVE, CALIFORNIA**

Submitted by Ellen Strong, vice president AMS

The 2019 AMS meeting will be held in Pacific Grove, California as part of the next World Congress of Malacology. The AMS will have not met jointly with the WCM since 2013, so this represents a great chance to catch up with the global malacological community. Our venue will be Asilomar Conference Grounds, hosted by Terry Gosliner, California Academy of Sciences, president of *Unitas Malacologica*. Be on the lookout for future announcements about workshops and symposia. Asilomar (<http://www.visitasilomar.com/>) was the location of the 1947 and 2005 AMS meetings and we are excited to return.



MEMBERS CONTRIBUTIONS

**Report on the 82nd Annual Meeting of the
American Malacological Society**

12-16 June 2016

*Submitted by Ángel Valdés, President AMS
2015-2016*

The 82nd annual meeting of the American Malacological Society took place from June 12 through June 16, 2016, at the Universidad Autónoma de Baja California, Ensenada, Mexico. The meeting was held in conjunction with the Western Society of Malacologists, and was co-organized by Dr. Carlos Figueroa Beltrán (WSM president) and myself.



In total, there were 116 registered participants, 53 of them students, from 4 different countries: the USA, Mexico, Spain, and Australia. There was a diverse representation of professionals working on different aspects of malacology, including attendees who typically do not attend AMS conferences. For example there were participants from the US

Federal Government, conservation organizations, and the aquaculture private sector.

The AMS sponsored symposium was on Molluscan Phylogenomics, organized by Dr. Kevin Kocot (University of Alabama), and included talks from five invited speakers covering research topics based on next generation sequence data. In addition to that, the conference included two symposia, one on abalone culture and conservation in partnership with CICESE (Ensenada Center for Scientific Research and Higher Education) and another one on mollusks and human cultures, organized by Dr. Hans Bertsch. In conjunction with the conference, our colleagues Miguel del Río-Portilla (CICESE), Fabiola Lafarga-De La Cruz (CICESE), Melissa Newman (NOAA) and Susan Wang (NOAA) organized the First Binational Abalone workshop, which included additional talks and round tables on abalone aquaculture.

Social activities included field trips to the Valle de Guadalupe, including a visit to an indigenous community and wine tasting, and to the Abalone Farm in San Quintín, including a visit to the San Vicente Ferrer mission and museum. In addition there was an ice-breaker the first day of the conference and a very successful auction (Hans Bertsch and Wendy Enright, auctioneers).

As usual, student participation was critical for the success of the conference. The conference organization formed a committee lead by Dr. Rüdiger Bieler that judged all the student presentations and selected awardees for the best poster and oral presentations. The awardees were:

Best poster:

Eric Ostrowski (California State University, Fullerton): "Multivariable suitability habitat model for Pinto Abalone (*Haliotis kamtschatkana*) in San Diego County, California"

Best oral papers:

Enah Fonseca Ibarra (Universidad Autónoma de Baja California): "Patterns of shellfish consumption during the Middle to Late Holocene in the Bajamar-Jatay region of Baja California"

Jessica Goodheart (University of Maryland): "Phylogenomics of Cladobranchia (Gastropoda: Heterobranchia: Nudibranchia) and the evolution of nematocyst sequestration"

Maria Moreno-Alcántara (Instituto Politécnico Nacional, La Paz): "Taxonomic revision of the species of the family Atlantidae (Gastropoda: Pterotracheoidea) in the Mexican Pacific using morphological and genetic analyses"

The conference concluded with the business meeting and the leadership of the AMS passed on to Dr. Liz Shea, who will organize the next meeting in Delaware. See you there!

✱

Tenth Annual Meeting of Ohio (River) Valley Unified Malacologists (OVUM) 2016

Contributed by Timothy A. Pearce, Lori Schroeder, and Charles F. Sturm

On Saturday, 29 October 2016 the tenth annual meeting of the Ohio (River) Valley Unified Malacologists (OVUM) convened at the Bernheim Arboretum and Research Forest, Clermont, Kentucky. Enthusiastic participants came from as far away as Florida and Pennsylvania (Figs. 1, 2). Nine presentations covered land snails and unionid mussels, from the eastern United States, Caribbean Islands, and Central America.



Fig. 1. Participants at the OVUM meeting, from left to right: David Cravens, Charlie Sturm, Dan Dourson, Jeffrey Mattingly, Judy Dourson, Alan Gettleman, Kelly Vowels, Tim Pearce, Lori Schroeder, Warren Pryor, Ellen Pryor, Andrew Berry. Photo by Jeffrey Schroeder.

The meeting was hosted by Andrew Berry and Lori Schroeder. Breakfast, lunch, and refreshments were graciously provided by Isaac's Café at Bernheim Arboretum, including healthy soup and sandwiches prepared fresh from the edible garden.

Meeting participants had the opportunity to explore the 14,670 acre Bernheim Arboretum and Research Forest at the conclusion of the meeting.

The 11th annual OVUM meeting will be hosted next year by Warren Pryor at the University of Saint Francis in Fort Wayne, Indiana.

Abstracts of the presentations are given below in the order presented. The presenter's name is underlined.

Andrew Berry. Bernheim Arboretum Research Forest, Clermont, KY.

Introduction to Bernheim Forest

Bernheim is a 14,670 acre not-for-profit forest in central Kentucky. With an arboretum, natural areas, educational outreach, and arts program, Bernheim operates with a mission of connecting people with nature. A combination of stewardship, research, outreach, and land protection are central themes for managing our natural areas. Long-term goals include establishing corridors to connect with other protected areas.

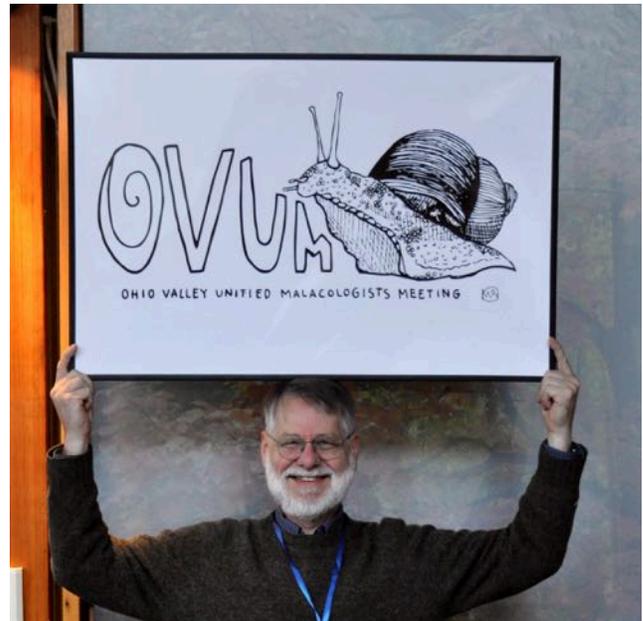


Fig. 2. Tim Pearce during a lighthearted moment at the OVUM meeting. Photo by Jeffrey Schroeder.

Lori Schroeder. Citizen Scientist, Bardstown, KY.

Put on your fedora ... *Stylommatophora* ... (including a moiety of exiguous and predaceous mollusks!)

A debris sample collected at Harrison Creek, Nelson County, KY after a catastrophic flood event in January 2016 proved to be highly productive, especially in terms of the live micro-mollusk fauna contained within the sample. The predaceous behavior of the land snails *Glyphyalinia wheatleyi* and *Zonitoides arboreus* was documented. Videos were shown of a developing embryo in an egg laid by a single specimen of *Strobilops aeneus* after two years in captivity.

Timothy A. Pearce and Chelsea D. Arnold. Carnegie Museum of Natural History, Pittsburgh, PA.

Why is the tiger snail, *Anguispira alternata*, declining in Pennsylvania?

The decline of the tiger snail appears to be real, as evidenced by (1) decline over time in the proportions of collecting events that found the snail and (2) species accumulation curves that imply adequate sampling effort in past and present time periods. The snail appears to have started to decline about 1960, which coincides with a rise in acid precipitation in northeastern United States, suggesting that acid rain may relate to the snail's decline.

Daniel C. Dourson and Judy A. Dourson. Belize Foundation for Research and Environmental Education.

Land Snails of West Virginia

An overview of the land snails of West Virginia is presented with a focus on the 2006-2014 collection survey conducted by the West Virginia Division of Natural Resources, led by Craig Stihler. The project resulted in the publication of the book, *Land Snails of West Virginia*. During the survey, over 17,000 specimens were collected and examined, documenting 168 native land snail species in West Virginia. Seven species new to science were discovered, with three species and one subspecies described. Eleven species are considered endemic to West Virginia.

Alan Gettleman. Citizen Scientist, Merritt Island, FL.

Hanging by a thread – Annulariid hanging behavior in Cuba, Jamaica, and the Dominican Republic

My first encounter with an annulariid land snail exhibiting this group's ability to hang from a thread occurred near Cueva del Indio in Pinar del Rio Province, Cuba, in 1999. This began my fascination with this family with in situ observations in Cuba and throughout most provinces in Jamaica and the Dominican Republic. I present the first observation of hanging by a thread in the annulariid land snail genus *Abbottella* Henderson and Bartsch, 1920, made in the Dominican Republic in July 2016.

Warren Pryor¹, K. Bradfield¹, D. Claussen¹, L. Dickmeyer¹, R. Edwards¹, S. Ijelu², L. Johnson¹, E. Kostic¹, R. Martinez¹, and D. Reuille¹.

¹Biology Department and ²Chemistry Department, University of Saint Francis, Fort Wayne, IN.

Preliminary Report: Unionid shell survey at Johnny Appleseed Park, Saint Joseph River, a tributary of the Maumee River, Allen County, Indiana, 2016

Of six species of unionid shells (n=88) from 80 m of bank along the Saint Joseph River in 2016, the

most abundant were *Truncilla truncata* (45.5%), *Quadrula pustulosa* (36.4%), and *Quadrula quadrula* (11.4%). Comparison with a similar sample there from 1998 revealed a decline in diversity from 11 to 6 species and a change in the dominant species (62.2% were *Q. pustulosa* in 1998). Shell length of *Q. pustulosa* is significantly smaller now (mean 77.3 mm in 1998, 51.1 mm in 2016). The decline in *Q. pustulosa* numbers and size may be due to competition with zebra mussels, which first appeared there in 2009. In 2016, we found zebra mussel byssal threads on 31.3% of *Q. pustulosa* and 17.5% of *T. truncata* shells.

Monte A. McGregor and David Cravens. Center for Mollusk Conservation (CMC), Kentucky Department of Fish and Wildlife Resources (KDFWR), Frankfort, KY.

Restoration and management of freshwater mussels in Kentucky

Kentucky has one of the most diverse mussel populations in North America with 41 genera and 105 recognized species. Of those, 12 are presumed extinct, 22 are listed as threatened or endangered, 8 of those 22 are considered extirpated from the state, and 46 are identified by KDFWR as Species of Greatest Conservation Need. Advances made by CMC in culture and propagation of mussels, including raising mussels on media without a fish host, is leading to proactive recovery of rare and endangered mussels. Thousands of juveniles cultured and released at multiple sites notably include the endangered pink mucket, *Lampsilis abrupta*, club shell, *Pleurobema clava*, and the northern riffle shell, *Epioblasma torulosa rangiana*. CMC works with other states to culture and propagate rare species, some known historically from Kentucky.

Jeffrey Mattingly. Parklands of Floyds Fork, KY.

Nature Photography of Native Land Snails in Central Kentucky: Photographs from Nelson, Jefferson, and Hardin Counties

I present photographs of land snails found during searches for box turtles. Various cameras were used depending on the subject matter and the situation. Over time, it appears that fewer specimens were found suggesting a decrease in abundance in these counties.

Daniel C. Dourson and Judy A. Dourson. Belize Foundation for Research and Environmental Education.

Land Snails of Belize

Results from a 10-year land snail study are reported. Prior to the study, 24 species of land snails were known. At the conclusion of the study, 145 species are now known, of which 25 species are new to science, with 18 of those described in a forthcoming book. Also reported are interesting feeding behaviors on land snails by snakes, birds, and bats.



Mollusks in Peril Forum- A Terrific Meeting!

Contributed by José H. Leal, Ph.D.

Science Director & Curator
Bailey-Matthews National Shell Museum
jleal@shellmuseum.org

Held at the Bailey-Matthews National Shell Museum between the evening of May 22nd and late afternoon on May 24th, Mollusks in Peril 2016 Forum was by all measures a resounding success, with 11 presenters sharing the results of research that significantly impact our knowledge about endangered mollusks and their environment. The Forum included 62 registered participants.



The first day covered land and freshwater mollusks. Robert Cowie (University of Hawaii at Manoa) opened the event speaking about the current state of knowledge on mollusk extinctions (which outnumber all other known animal extinctions combined), followed by Kenneth Hayes, who presented a detailed account of the conservation status of Pacific island land snails, which comprise the majority of recorded mollusk extinctions.

During lunch on Monday, Norine Yeung (Bishop Museum) spoke about the engaging educational and outreach programs she is developing in Hawai'i to raise awareness of native land snails and that foster a sense of ownership and environmental conservation within the local population. Monday afternoon was split between Arthur Bogan (North Carolina Museum of Natural Sciences) and Chuck Lydeard (Morehead State University). They spoke about endangered freshwater mollusks and several

modern methodologies, including DNA sequencing, used to determine threats and extinctions.



On Tuesday morning, Brad Seibel (University of South Florida) presented his cutting-edge research on how ocean acidification combines synergistically with low oxygen levels in sea water to create potential threats to pelagic mollusks. Next, Julia Sigwart (Queen's University, Belfast, Ireland) elaborated on how impending deep-sea mining represents a threat to the unique and super-interesting mollusks, including the metal-covered scaly-foot snail, living in association with deep hydrothermal vents. Then, Emily Carrington (University of Washington) spoke about how the mussels' byssus (bundles of threads that anchor those bivalves to hard surfaces) weakens under ocean acidification and ocean warming. After lunch on Tuesday, Mark Eakin (Center for Satellite Applications and Research, NOAA) explained how climate change and ocean acidification threaten coral reefs around the world and what we can do about it. Coral reefs are major support systems for mollusks and all wide variety of tropical marine life. The last two talks, respectively by Meredith White (Bowdoin College) and George Waldbusser (Oregon State University), explained how ocean acidification is affecting the early life stages of scallops (White) and oysters (Waldbusser). In these two cases, commercial aquaculture facilities raising these mollusks, respectively in Maine and Oregon, work closely with White and Waldbusser's research teams. The meeting concluded with a panel discussion about where we are in terms of knowledge and levels of awareness on the subject of Mollusks in Peril. Throughout the meeting, the public interacted extensively with the speakers, and new collaborations were forged. Shell Museum Executive Director Dorrie Hipschman and I want to thank all the speakers, sponsors (in particular Smoky and Stephanie Payson), and participants for their support and the confidence they deposited in the organization. We also hope to maintain the

momentum acquired with the 2016 Forum and resume Mollusks in Peril in the future. Proceedings of the Forum will be published in the March 2017 issue of *The Nautilus*. Thanks to All! (contact me for a PDF copy of the Forum's Program and Abstracts, and enter Mollusks in Peril in YouTube for videos of the presentations).



Update from the AMS Conservation Committee

Contributed by Jay Cordeiro

- No U.S.E.S.A. mollusk activity thus far in 2016 (which followed 2015 with no species proposed, removed, modified, or reviewed by USFWS or NMFS; but four species added as Endangered 2015-fragile tree snail (*Samoana fragilis*), Guan tree snail (*Partula gibba*), and Langford's tree snail (*Partula langfordi*). Critical Habitat was designated for the Neosho mussel (*Lampsilis rafinesqueana*) and rabbitsfoot (*Quadrula cylindrical cylindrical*).
- AFS Conservation Status of North American Freshwater Mussels- long overdue, no news
- Biggest news: ESA regulations revised: Proposed changes were initiated following years of data gathering and feedback from prior petitions and are intended to make the petitioning process easier and improve overall quality of submitted petitions. Specifically, the new revisions introduce the following changes A complete description of the proposed regulation changes can be found at <http://www.fws.gov/policy/library/2016/2016-09200.pdf> :
 - (1) Improved engagement by state wildlife agencies: petitioners are now required to send notification letters to each state wildlife agency in which the species occurs 30 days prior to submittal. The original proposal requirements for petitioners to solicit information from state wildlife agencies prior to submittal for inclusion on proposals have been removed.
 - (2) Improved quality of petitions: The original requirement that petitioners certify that gathered all relevant information on petitioned species has been removed.
 - (3) Clarification of number of species per petition: Petitions are no limited to all or a portion of only one species and this applies to "taxonomic Species" only. For vertebrate species, this includes one or more distinct population segments (DPS).
 - (4) Paperwork reduction requirement: A Paperwork Reduction Act (PRA?) control number will now be required for ESA petition regulations. Comments on PRA burden estimates are being solicited.
- I am looking for new members to the join the Conservation Committee to provide me with

updates or stories on regional fauna to include in both the annual committee report and the Conservation Newsletter Report (please make members aware of this report and its availability on the AMS web page); right now, we have a committee of one and I am not as up to date on the various activities of members in their work on mollusk conservation projects as I once was. I am asking members for a few very simple obligations: keep me posted on mollusk conservation activities of which they are aware in their geographic area or area of taxonomic or regional expertise and represent the Committee at national and/or regional AMS meetings as available. I hope to include a section in the AMS Imperiled Species Newsletter (<http://www.malacological.org/conservation.html>) on conservation projects that do not necessarily involve federally listed species.

- Upcoming mollusk conservation related events:

- (1) FMCS 9th symposium freshwater mollusk conservation "Conserving Aquatic Ecosystems - At the Confluence of the Past and the Future 3/22/15-3/26/16 St. Charles, MO
 - (2) International Meeting on Biology and Conservation of Freshwater Bivalves 10/4/15-10/8/16 Buffalo, NY
 - (3) FMCS workshop Population Genetics and Freshwater Mollusk Conservation 2/16/16-2/19/16 Shepherdstown, WV
 - (4) Ohio River Valley Ecosystem Mussel Working Group meeting 11/2/16-11/3/16 Oxford, OH
 - (5) FMCS hosting their 10th symposium on freshwater mollusk conservation 3/26/17-3/30/17 Cleveland, OH
- Books: Freshwater Mussels of the Upper Mississippi River by Upper Mississippi River Conservation Committee 2015 (download at <https://www.dropbox.com/s/5h900e13hml1uoq/Mussels%20Guide%202015.pdf?dl=0>); Freshwater Mussels of Florida Williams et al. (2014); Medical and Applied Malacology by Introini et al. 2014; Molluscan Communities of the Florida Keys and Adjacent Areas: Their Ecology and Biodiversity by Petuch and Myers 2014.



MINUTES OF THE ANNUAL BUSINESS MEETING

Presented by Amanda S. Lawless, Secretary

June 15, 2016

Ensenada, Baja California, Mexico

The meeting was called to order by President Ángel Valdés.

A motion was made and passed to approve the minutes of the 2015 business meeting.

Executive and Committee Reports were presented:

President: Presented by Ángel Valdés. The 2016 joint meeting had 124 attendees, of which approximately half were students from many different countries. Four symposia and one workshop took place during the meeting. Eventbrite was used for registration and was successful. The combined auction with WSM raised \$1,900 which was used for four \$400 student awards. Thank you to Rüdiger Bieler for leading the student awards committee.

President-Elect: Presented by Elizabeth Shea. The 2017 AMS Meeting will take place July 16-21 at the University of Delaware in Newark, DE. The meeting will be cost effective and student friendly. There will be various auditoriums and rooms available. Dorms will be available for lodging from \$25-\$36 per person per night and a Courtyard Marriot hotel is nearby. A tentative schedule was presented. A symposium idea was 21st Century Morphology: The impact of digital ghosts, 3D modeling, and video exploration on molluscan research. Possible session ideas include Collections and Research, Impact of Dr. Mel Carriker and Mollusks in the Marsh. Tentative workshops include Big Data, Big Questions and Freshwater Bivalve Identification. Post meeting excursions will include local snail collecting, a canoe trip down the Brandywine River and exploring museums of Brandywine Valley. Special hours will also be offered to attendees to visit various museums and labs on the University of Delaware campus. Please contact Liz with other ideas or to volunteer. **A motion was made and passed to accept the 2017 meeting venue.**

Vice President: Submitted by Norine Yeung. The 2018 AMS Meeting will take place in Honolulu, Hawaii at the University of Hawaii-Manoa in cooperation with the Bishop Museum. Reaching out to WSM to potentially have a joint meeting.

Treasurer: Submitted by Charles Sturm, Jr. 2017 budget is similar to the budget set in 2016. BioOne bringing in about \$18,000 per year. Trending towards more aggressive encouragement of page charges. The society's non-profit status has been reinstated due to huge efforts by Charles Sturm and we THANK him for his hard work during this process. Charlie requested an assistant treasurer and council approved to extend the duty of secretary to have signature and access to the bank accounts.

Secretary: Submitted by Amanda Lawless. Continued maintenance and updating of the membership database. Assisting newsletter editor Christine Parent with preparation and distribution of the AMS newsletter. Researching various on-line membership databases for use by AMS. AMS membership: 144 (27 students).

Audit & Budget Committee: Presented by Elizabeth Shea. Total income and expenses are ~\$41,000. Two withdrawals of \$6,000 made for 2016 meeting symposia. Auction money goes into general funds and the council

wants accounting of auction funds to make sure the money goes to student support (student research, travel, awards, etc.).

Editor and Publications Committee: Submitted by Colleen Winters. Current impact factor of the AMB is 0.939. Volume 34(1) was published in January/February 2016 and hope to publish 34(2) in late 2016 to get back on track.

Endowment Committee: Presented by Rüdiger Bieler. 2015 was not a good year for stocks and our current status has been influenced by the lack of non-profit status. The stock and bond accounts should be balanced annually to 50:50.

Nominating Committee: Presented by Tom Duda. The following people nominated for the open positions: President – Elizabeth Shea, President-Elect – Norine Yeung, Vice President – Ellen Strong, Past President (4-10 Years) – Gary Rosenberg, Councilors-at-Large – Marta de Maintenon and Tim Pearce. **No nominations were received from the floor, and the slate was approved by motion.**

Membership Committee: Chair Elizabeth Davis-Berg. No report submitted.

Systematics Committee: Submitted by Charles Lydeard. No activities to report.

Conservation Committee: Submitted by Jay Cordeiro. No U.S.E.S.A mollusk activity thus far in 2016. ESA regulations have been revised and proposed regulation changes can be found at <http://www.fws.gov/policy/library/2016/2016-09200.pdf>. Looking for new members to the join the Conservation Committee to provide updates or stories on regional fauna to include in both the annual committee report and the Conservation Newsletter Report. Please contact Jay if interested.

Resolutions and Constitution & Bylaws Committees: Submitted by Paula Mikkelsen. No activities to report by the committees in 2015-2016.

President-elect Elizabeth Shea presented President Ángel Valdés with a gift in appreciation for his past year as president and putting a great meeting together.

A motion to adjourn was made and passed.

Minutes taken by Councilors-at-Large Doug Eernisse and Maria Moreno. Thank you!

Amanda S. Lawless, Secretary

Chicago, November 2016



JOB ANNOUNCEMENTS

Assistant Professor in Wildlife Ecology & Management, University of Maryland

Submitted by Barret Wessel

The University of Maryland, College Park, is looking for an Assistant Professor in Wildlife Ecology & Management. More information about the position can be found here: <https://ejobs.umd.edu/postings/46818>



M.S. or PhD Assistantship at Oregon State University: Plant extracts as novel tools for managing slugs

Submitted by Rory McDonnell

POSITION DESCRIPTION: One M.S. or one Ph.D. graduate research assistantship (including health insurance benefits) is available in the Department of Crop and Soil Science at Oregon State University (OSU). The successful applicant will perform research on the efficacy of using various plant extracts as novel biorational molluscicides against the key agricultural slug pest, *Deroceras reticulatum*. He/She will be expected to perform laboratory and field bioassays under the supervision of Dr. Rory Mc Donnell, keep organized research records, present his/her data at professional meetings, and prepare manuscripts for publication in peer-reviewed journals.

REQUIREMENTS: We are seeking a highly motivated individual with a BSc in Environmental Science or a related field. Previous research experience, peer-reviewed publications, and strong communication skills will be considered a plus. The student should also be prepared to carry out field work in inclement weather typical of when slugs are active.

TO APPLY: Send 1) a one page statement explaining why you are interested in the position, 2) your curriculum vitae, 3) unofficial academic transcripts, 4) GRE scores (if applicable), and 5) the names and contact details of three referees to Dr. R o r y M c D o n n e l l a t rory.mcdonnell@oregonstate.edu. Questions about the position can also be directed to this email address. The deadline for applications is November 29th 2016.



MESSAGES FROM THE NEWSLETTER EDITOR

As the AMS newsletter editor I apologize to all AMS members for failing to publish Volume 42 No. 1 issue of this newsletter of your newsletter.

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:

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