Greetings, AMS Members!

I write this message on a lovely Fall day in Maine – the sky is blue and the breeze is light. The 2017 Nobel Prize in Chemistry has been awarded to Jacques Dubochet, Joachim Frank and Richard Henderson for the development of cryo-electron microscopy, which revolutionized our imaging and understanding of biomolecules. As the online press release proclaims, “Cool microscope technology revolutionizes biochemistry”.

To members of the American Microscopical Society, the fact that microscopical technologies and approaches could revolutionize biological understanding is old news. We can all probably remember a time when looking at a specimen using a microscope provided an “Aha” moment of insight, or led to another question, or was just simply inspiring because what we saw was beautiful. Microscopy represents a new way of looking, whether we link it to explicit scientific investigations or creative illustrations of nature’s diverse life forms.

As the Society turns the corner into its 140th year, it seems a good time to consider what new or modified activities we should undertake, as our constitution states, to encourage and advance microscopy. We are a very small society of dedicated scientists, educators and students. Most of our members are in the U.S., but our excellent journal, Invertebrate Biology, reaches worldwide. Advances in microscopy, digital imaging, and computing continue to change the way we under-
stand biology, and literally, the way we see the world. Some innovations, such as the origami Foldscope ([www.foldscope.com](http://www.foldscope.com)) are specifically aimed at inspiring curiosity and exploration, and making microscopy accessible to all. AMS currently plays a small but significant role in supporting microscopy-related training and research for graduate and undergraduate students. Should we do more? How do we foster connections among our members and those who would benefit from our members’ expertise? Are we communicating effectively with membership and the broader community? Are there other activities that the Society should engage in to sustain the society and its members? These are some of the questions I have been thinking about, just like past presidents before me. And like those leaders, I welcome your input and participation. The Society benefits when a diverse group provides input, and I appreciate the members who have agreed to stand for election to leadership positions in the society, and the nominating committee (Dianna Padilla, Bruno Pernet, Pat Reynolds and Megan Schwartz) who recruited an excellent slate of candidates. Please see the candidate bios later in the newsletter. Please also show your appreciation by voting in the upcoming election.

I am also very grateful for the participation of our current executive committee members, especially Past President John Clamp, and I hope you will join me at the annual meeting in recognizing John for his many years of service to AMS. In preparation for the annual meeting, the executive committee members (John Clamp, John Pilger, Megan Schwartz, Elizabeth Davis-Berg, MaryMeg Daly, Anja Schulze, Shanna Hanes, Raphael Ritson-Williams, Michael Hart, and Amy Johnson) have been meeting quarterly by video conference to take care of society business and begin work on some larger projects (e.g., needed revisions to the constitution) so that we can make the most of our in-person time at the January meeting.

I look forward to seeing you there and invite you to think on this challenge in the interim: How can you, personally, encourage and advance microscopy? And how can AMS best support you in that effort? Because in a society as small as ours, individual efforts are important to making a collective difference.

Best regards,

Sara Lindsay

Sara Lindsay’s research focuses on polychaetes, and microscopy is essential for identifying some species. Here are chaetae from a spionid polychaete, *Spio setosa*. (Image: Sara Lindsay)
The journal is having another successful publication year in 2017. As of late July the journal has received 62 manuscript submissions for the year, which puts us on track for about 110 submissions for 2017. That total would be fewer than 2016 but similar to other recent years. The rate of submission of high-quality, publishable manuscripts has not measurably declined: we have published 19 articles in volumes 136(1) and 136(2), with 9 more scheduled for publication in volume 136(3) and a comfortable lineup of articles accepted for publication later in 2017 or early in 2018.

In 2016 we published articles based on presentations from the special session at the 2016 annual meeting devoted to polychaetes and dedicated to Kristian Fauchald. That collection of papers was very successful, and some of the articles published in that collection have already been cited several times. I’m interested in a model like that for future volumes of the journal, so please contact me if you have ideas or suggestions for such collections of articles arising from the annual meeting.

The journal has published some great work this year, including research articles on physiology and range limits (by Sam Crickenberger and colleagues, DOI: 10.1111/ivb.12160), new applications of cutting-edge microscopy techniques (by Rebecca McKinnon and colleagues, DOI: 10.1111/ivb.12164), and reviews of cnidarian ecology and morphology (by Jessica Godheart & Alexandra Bely, DOI: 10.1111/ivb.12154; and by Paul Larson, DOI: 10.1111/ivb.12159). The editors especially look forward to reading and reviewing the interesting research submitted to Invertebrate Biology by AMS members. Thanks!

The journal is now published online-only. AMS approved that change on the advice of our publisher Wiley as a way to cut costs, improve AMS income for student support, reduce the journal’s carbon footprint, and facilitate some improvements to the publication process. For AMS members who also want to purchase a print copy of the journal, Wiley will put a mechanism in place to do so before the end of the year.

Only one significant change is coming up for the journal this year. Louise Page, who has been an Invertebrate Biology editor since 2006, has decided to step down at the end of the year. This is a big loss for the journal. Although it’s not really possible to replace Louise, after consulting with the editors (Amy Moran, Bob Thacker, Greg Rouse, and myself), and with the approval of the Executive Committee, I am happy to welcome Adam Reitzel to our group.

As always, if you have suggestions or ideas for your journal, or if you would like to pitch an idea for an article, please look me up at the annual meeting in San Francisco. Looking forward to seeing AMS members there.

Cheers,
Mike
I am looking forward to seeing everyone at the annual meeting with SICB, January 3-7, 2018 in San Francisco, CA. We’re expecting a large meeting with 11 symposia and four full days of contributed sessions. The meeting will be held in the San Francisco Marriott Marquis hotel. There are many dining and entertainment choices within a short walk from of the hotel. The AMS Luncheon and Business Meeting will be a bring your own brown-bag lunch.

AMS will have a booth in the exhibit hall, featuring entries for the Ralph and Mildred Buchsbaum Prize for Excellence in Photomicrography, information for students, and other society materials. I invite you all to drop by our booth, vote for your favorite photomicrograph, renew acquaintances and Society memberships, and participate in our events.

For members attending the meeting who plan on bringing children, please send an email to: preferredsitters@msn.com with the following information: Full name, telephone number, email address, children's name, age and any special instructions/needs.

**AMS will co-sponsor four symposia at the 2018 meeting:**

January 4th: **From Small and Squishy to Big and Armored: Genomic, Ecological and Paleontological Insights into the Early Evolution of Animals** (SICB wide) Organizers: Erik Sperling & Kevin Kocot; Sponsors: DEDB, DEE, DIZ, DPCB, & AMS

January 4th: **Evolution in the Dark: Unifying Understanding of Eye Loss** Organizers: Megan Porter & Lauren Sumner-Rooney; Sponsors: DEDB, DEE, DIZ, DNNSB, DPCB, AMS, & TCS

January 5th: **Science Through Narrative: Engaging Broad Audiences** (SICB wide) Organizers: Sara Elshafie, Stuart Sumida, & Bram Lutton; Sponsors: DAB, DCB, DCE, DEDB, DEDE, DEE, DIZ, DNNSB, DVM & AMS

January 6th: **Integrative Biology of Sensory Hair Cells** Organizers: Duane McPherson & Billie Swalla; Sponsors: DEDB, DNNSB & AMS

We will still have a longer lunch break each day, from Noon to 1:30 pm. Please let me know if you have any feedback, positive or negative.

Best regards,

Beth Davis-Berg
Divariscintilla species, or yo-yo clams are extremely understudied bivalves commensal with the mantis shrimp Lysiosquilla scabri-cauda and its burrow habitat. There are at least 7 species of yo-yo clams commensal with L. scabri-cauda in the Indian River Lagoon in Southeast Florida (IRL), five of which were originally discovered by Paula Mikkelsen and Rudiger Bieler between 1989 and 1992. My research largely looks at the mechanisms by which this high number of closely-related bivalve species manages their coexistence with a single commensal host, and consisting in part of an interspecific comparison of morphology. The ecological role of an individual is often related to its morphological adaptations, and possible morphological differences among Divariscintilla species can infer aspects of how they manage coexistence. There are numerous aspects of Divariscintilla spp. morphology that can be analyzed comparatively, however the most standout phenotypic difference among Divariscintilla spp. is the number and orientation of their tentacles. These tentacles not only allow one to tell one particular species from another, but also are ostensibly major sensory structures for these bivalves that are key to their survival. Possibly the most differentiated of all tentacles among all Divariscintilla species in the IRL are the club-like posterior tentacles in D. luteocrinita. The immediate appearance of these tentacles suggest the possibility for defensive functions such as autotomization, secretion of defensive chemicals or dynamic display. These posterior tentacles serve as a launching point for the exploration of possible differential tentacle morphology, specifically in the posterior tentacles and anterior tentacles of a single species as well as interspecific comparisons of anterior and posterior tentacles among Divariscintilla species. Confocal Laser Scanning Microscopy (CLSM) was used to visualize the musculature, nerves, and DNA in the anterior and posterior tentacles of these species. In the analyses of Divariscintilla tentacle morphology, fallacidin, acetyl tubulin, and propidium iodide antibody stains were used to visualize musculature, nerve endings, and DNA respectively.
AMS Microscopy Fellowship Awardees

Brian K. Penney, Professor of Biology, Saint Anselm College, Manchester, NH

Dorid nudibranchs (Gastropoda: Opisthobranchia) are a key taxon for studying the evolution and interaction of chemical defense, color patterns and feeding specialization. However, we lack a robust phylogeny at the species level and new morphological characters are clearly needed. One possibility is the interior spicule networks of dorids, the forms of which vary among species. Recent work using micro CT shows that the overall structure of networks is robust among genera and suggests several new phylogenetically informative characters. For example, a specialized form of tubercle (caryophyllidia) defines a major taxon within the dorids (Discodorididae) but the details of its structure are incompletely described and some related species show intermediate traits. Clarifying the spicule arrangement within tubercles across a range of species may clarify discodorid relationships. Because this problem involves arrangement of multiple elements in three dimensional space, it is well suited to study by semithin sectioning and computer reconstruction. I will be able to learn these techniques through a sabbatical training visit to the lab of Dr. Julia Sigwart at UC Berkeley thanks to the AMS microscopy fellowship.

Left: Dr. Brian Penny, Right: Micro CT of Archidoris pseudoargus mantle and tubercles. 0.3mm slab MIP cross section. Bar = 0.5mm, D and R indicate the dorsal and right sides of the animal, respectively.

Microscopy Fellowship Information

The AMS Microscopy Training Fellowship funds are designated for support of graduate students, postdocs and faculty members for training in new microscopical techniques.

Two fellowships of $1000 each are available annually. The funds may be used for support of training in any microscopical technique, either through public courses / workshops or through private visits to other institutions. Any graduate student, postdoc, or faculty full member of AMS is eligible to apply, with the exception of past fellowship recipients. Applications from graduates students, postdocs, and faculty members are assessed independently.

Awards are made up to a maximum of $1000. Details are available at: http://amicros.org/?page_id=987
Alyssa Liguori, Department of Ecology & Evolution, PhD Program, Stony Brook University

Copepods are a critical link between primary producers and higher consumers in marine ecosystems. Whether they are resilient to environmental change will have major implications for future marine communities. Marine organisms now face a rapid global reduction of seawater pH, or ocean acidification (OA), caused by unprecedented increases in atmospheric carbon dioxide. To date, the majority of studies on biological responses to OA are short-term and the potential for acclimation and adaptation to pH stress is rarely addressed. At the Friday Harbor Laboratories, I am performing multigenerational experiments with four geographically isolated populations of the model copepod *Tigriopus californicus* to investigate how different pH levels affect life history, morphology, and physiology. With reciprocal transplants among experimental treatments (pH of 7, 7.5, and 8) across generations, I am testing whether responses to pH are plastic, transgenerational (selection on genetic differences and/or epigenetic retention of environmentally induced changes), or a combination of both. If responses to pH are transgenerational, I hypothesize that historic pH exposure will influence performance in current pH conditions, whereas plastic responses will not be affected by the pH experience of previous generations. Throughout these long-term studies, I am using light and scanning electron microscopy to quantify differences in fecundity, development time, stage-specific survivorship, and morphology among populations, treatments, and generations. I am also preserving samples for future molecular work to characterize the genetic basis of these differences. Investigating long-term responses to changes in pH and differences among populations will be critical for understanding species resilience in the face of rapid environmental change.

Gravid *Tigriopus californicus*, collected from Cattle Point on San Juan Island, WA. I am using image analysis software to measure morphological features from photographs of copepods, like this one.
Winners of the 2017 American Microscopical Society
Ralph and Mildred Buchsbaum Prize for Excellence in Photomicrography

Color division

Image by: Thomas Sanger
Loyola University Chicago, Illinois, USA
Developmental series of the gecko Lepidodactylus lugubris
Embryos to scale, representing ~35 days of development.
Eggs courtesy of Tony Gamble. Scale bar, 2 mm.
Grey scale division

Image by: Stephanie Pascual
University of Tampa, Florida, USA
Gill of the blue crab Callinectes sapidus
Dorsal aspect. Scanning electron microscopy. Scale bar, 500 μm.
Ralph and Mildred Buchsbaum Prize for Excellence in Photomicrography

If your research requires the use of microscopy, or you just love photographs of small things (or small parts of big things), then we encourage you to consider submitting your photomicrographs to the 2018 Buchsbaum Photomicrography Contest at the upcoming SICB conference in San Francisco, CA!

The contest is a memorial to Ralph Buchsbaum, pioneer in cell and tissue culture of animals and champion of photomicrography, and its goal is to encourage microscopical-biological photography. Micrographs may be of any biological specimen and use any form of microscopy, e.g. CLSM, TEM, SEM, DIC, etc. The contest is open to all SICB participants, 3 entries per participant. Micrographs will be displayed at the AMS booth and voting will be open to all SICB attendees.

Submissions can be color or B&W and must be hardcopy prints up to 8 x 10 inches. All photographs should be unlabeled, unsigned and mounted on poster board or printed on heavy-duty paper. A single line of information identifying the subject (e.g., “Cilia of a trochophore”) and microscopical technique (“Tubulin stain, CLSM”) should be below the photograph. Details can be found on the American Microscopical Society’s website: http://amicros.org/.
AMS Elections & Candidate Bios

The AMS has several open positions this coming year including President, Program Officer, Secretary and Member at Large. The Executive Committee of the American Microscopical Society has approved the following slate of candidates for officers presented by the Nominating Committee. We thank the candidates for standing for election and their willingness to serve the Society.

Some candidates currently serve in other positions on the AMS Executive Committee. If needed, the President (in consultation with the Executive Committee) can appoint a member to serve the remainder of the term. All terms begin after the annual meeting in January, 2018. An electronic ballot was sent to all current AMS members.

Candidates for President

Elizabeth (Beth) C. Davis-Berg

Educational and Relevant Training Background: B.A. University of Chicago Biology specialization in Ecology and Evolution with honors; Ph.D. University of Kansas, Ecology and Evolutionary Biology.

Positions Held: Associate Professor Department of Science and Mathematics, Columbia College Chicago (2011 – present); American Microscopical Society (Member at Large 2012 – 2015, Program Officer 2015 – 2018), Chair, Membership Committee American Malacological Society, Columbia College Chicago: Departmental Associate Chair Spring 2017, Faculty Senate Executive Committee (Parliamentarian 2017 – present, Secretary of the Senate Fall 2015, Fall 2016 – 2017, Member at-large 2014 – 2015); Title IX Appeals Officer (2016 – present).


Research Interests: Molluscan biodiversity and ecology, invertebrate biomechanics and pedagogy. Current projects include biodiversity of land snails and using invertebrates in the classroom.

Michael H. Temkin

Educational and Relevant Training Background: B.S. The American University; M.S. The American University; Ph.D. University of Southern California.

Positions Held: NIH Postdoctoral Scholar in Molecular Biology, Jules Stein Eye Institute, UCLA, (1990-1993); St. Lawrence University, Visiting Assistant Professor of Biology (1993-1995); Research Associate, Museum of Comparative Zoology, Harvard University (1995-1996); Postdoctoral Fellow, Smithsonian Marine Station at Link Port (1996-1997); St. Lawrence University: Visiting Assistant Professor of Biology (1997-1998), Assistant Professor of Biology (1998-2003), Associate Professor of Biology (2003-present); Secretary, SICB Division of Ecology and Evolution (2002-2005); SLU Director of AAAS/Merck Undergraduate Science Research Program Grant (2007-
Candidates for Program Officer

Rachel Collin

Education and Relevant Training Background: Sc.B. Aquatic Biology, Brown University; Magna cum Laude and departmental honors; M.Sc. Department of Zoology, University of Washington; Ph.D. University of Chicago, Committee on Evolutionary Biology.

Positions: Director of the Bocas Research Station, Smithsonian Tropical Research Institute, Panama (2002-present); Staff Scientist, Smithsonian Tropical Research Institute, Panama (2002-present); Adjunct Professor, Graduate Faculty, University of Louisiana in Lafayette (2007-present); Adjunct Professor, Graduate Faculty, University of Louisiana in Lafayette (2005-present); Adjunct Professor, Department of Biology, McGill University, Canada.

Memberships: AMS, SICB

Research Interests: I am interested in the evolution of life histories and modes of invertebrate development. My current projects include documenting the diversity of tropical meroplankton and understanding how upwelling impacts invertebrate reproduction.

Amy L. Moran

Education and Relevant Training Background: PhD in Biology from the University of Oregon; Postdoctoral positions at the UW Friday Harbor Laboratories, the Smithsonian Tropical Research Institute, and the University of Southern California/Wrigley Institute for Environmental Studies.

Positions Held: Associate Professor, Biology Department, University of Hawaii at Mānoa (2013-present); Associate Professor, Department of Biological Sciences, Clemson University (2005-2013); Research Assistant Professor, Department of Marine Sciences, University of North Carolina at Chapel Hill (2002-2013). Past service to SICB: I served as Program Officer for the Division of Invertebrate Zoology, and on society-wide SICB committees including the Membership Committee (current), Nominating Committee, and Executive Committee (as Member-at-Large). Service to AMS: I have been as an editor for Invertebrate Biology for 4.5 years and was on the Editorial Board for a few years prior to that. Service to other societies: I have served as President of the American Academy of Underwater Sciences (an elected two-year position) and was on the AAUS Board of Directors for five years.


Research Interests: I am interested in development, evolution, and physiological ecology of invertebrates. My research has focused on the developmental physiology and energetics of marine invertebrate larvae, the evolution of life history strategies in marine invertebrates, and the effects of temperature and oxygen availability on metabolism and performance in Antarctic invertebrates. My laboratory uses a suite of tools including microscopy, metabolic measurements, biochemical constituent analyses, and field work to understand how invertebrates (particularly,
but not exclusively, larvae) develop and perform under different environmental conditions.

Candidates for Member at Large

**Amanda S. Kahn**

**Educational and Relevant Training Background:** B.S. Biological Sciences, California State University, East Bay; B.A. Chemistry, California State University, East Bay; M.Sc. Marine Science, California State University, Monterey Bay/Moss Landing Marine Laboratories; Ph.D. Ecology, University of Alberta.

**Positions Held:** Postdoctoral Researcher, University of Alberta, Department of Earth and Atmospheric Sciences (present); Postdoctoral Researcher, University of Alberta, Department of Biological Sciences (2016-2017); SICB Division of Evolutionary Developmental Biology student/postdoc representative (2014-2017); University of Alberta Postdoctoral Fellows Association elections co-officer (2016); Co-founder and administrator of “The Madreporite”, a student-run science blog for students working at Bamfield Marine Sciences Centre ([http://bmscblog.wordpress.com/](http://bmscblog.wordpress.com/)) (2012-July 2015).

**Memberships:** American Microscopical Society, Society for Integrative and Comparative Biology, Association for the Sciences of Limnology and Oceanography, American Association for the Advancement of Science.

**Research Interests:**
Ecophysiology and energetics of invertebrates, feeding structures of suspension feeders, carbon flow within and between ecosystems (ecosystem energetics), adaptations to deep-sea life.

**Kevin Kocot**

**Education and Relevant Training Background:** B.S., Biological Sciences, Illinois State University, 2006; Ph.D., Molecular Biology, Auburn University.

**Positions:** Postdoctoral fellow, Auburn University (2013) and The University of Queensland (2014-2016); Assistant Professor in the Department of Biological Sciences and Curator of Invertebrates in the Alabama Museum of Natural History, The University of Alabama (UA; 2016-present).

**Service:** Steering Committee member of UA Evolutionary Working Group (EvoWoG); Treasurer of UA Capstone Alliance.

**Membership:** American Microscopical Society, Society for Integrative and Comparative Biology, American Malacological Society, Unitas Malacologica, Global Invertebrate Genomics Alliance.

**Research:** Systematics and evolutionary genomics of marine invertebrates.

**Educational and Relevant Training Background:** B.S., University of West Florida, Pensacola, FL; Ph.D., Auburn University, Auburn, AL; Microscopical training: Histopathology of Corals (Mote Marine Lab Center for Tropical Research, 2009); SEM (Friday Harbor Labs, 2010), TEM (Auburn University College of Veterinary Medicine, 2007-2009); FM (Auburn University College of Veterinary Medicine, 2012); Molecular training: RNA-Seq (Oregon State University, 2011), qRT-PCR (Auburn University, 2013).

**Positions Held:** Graduate Teaching Assistant of Biology, Auburn University (2006-2013); NSF GK-12 Teaching fellow, Auburn University (2008-2010); AMS Graduate Student Representative (2010); Instructor of Biology, Auburn University (2013); Instructor of Anatomy and Physiology, Nashville
Candidate for Secretary

Shanna D. Hanes
State Community College (2014); Assistant Professor of Biology, Martin Methodist College (2015-present); Director of Service Learning, Martin Methodist College (2016-present); AMS Executive Committee Member-At-Large (2014-present).


Research Interests: Ultrastructural and molecular characterization of the cellular mechanisms involved during establishment and breakdown of the host cnidarian-Symbiodinium sp. relationship.
Minutes from the Executive Committee Meeting

New Orleans, Louisiana
January 5, 2017

The annual meeting of the Executive Committee of the American Microscopical Society convened after 8:00 PM on January 5, 2017. In attendance were: President-Elect Sara Lindsay, Treasurer John Pilger, Editor in Chief of Invertebrate Biology Mike Hart, Program Officer Elizabeth Davis-Berg, Secretary Megan Schwartz, Graduate Student Representative Raphael Ritson-Williams, Members-at-Large Shanna Hanes and Anja Schulze, and Web-coordinator Amy Johnston. Christen Pruitt, a representative for Wiley, also attended.

President Sara Lindsay opened the meeting by welcoming the members of the Executive Committee (EC), followed by a brief round of introductions. The EC reviewed and discussed the reports submitted by the Secretary, Program Officer, Editor in Chief of Invertebrate Biology (IB), Treasurer, Student Awards Committee, and Wiley Representative. Discussion of each report is described below.

**Secretary’s Report, Megan Schwartz**

- Minutes from the 2016 EC meeting in Portland, OR were unanimously approved.
- Shanna Hanes was elected to Member at Large for 2017-2020.
- Open positions for 2017 include: President-elect, Program Officer, Secretary, and Member at Large.

**Program Officer’s report, Elizabeth Davis-Berg**

- AMS co-sponsored three symposia at the 2017 SICB meeting.
- At the AMS booth in the exhibit hall, the main feature is the Buchsbaum Photomicrography Contest.
- Research by recipients of the 2016 AMS Summer Fellowships are highlighted at the booth.
- Various materials are available at the booth, including flyers promoting the student research fellowships, and upcoming short courses related to microscopy.
- Scheduled business meetings include the AMS Executive Committee Meeting, Invertebrate Biology Editors’ meeting, and the AMS Luncheon.
- Scheduled social events include a joint social with DIZ/DEE/DEDB/DPCB & The Crustacean Society.

Discussion:

- Price of exhibitor booths have increased from $1000 for a double booth, to $850 for each booth ($1700 for a double booth). The AMS usually purchases a double booth. The EC discussed having a single booth at the 2018 meeting.

- The boxed lunch situation for the AMS business meeting was considered. Boxed lunch prices continue to annually rise and cost $40 at the New Orleans venue. The EC agreed this is expensive for a sandwich, chips, a piece of fruit, a cookie, and a soda.

- The price of student lunches has been reduced to $15 for the past two years through supplemental support by the AMS. Additionally, the EC handed out free lunch tickets to students during the conference. These actions have encouraged student attendance at the lunch meeting and fostered interactions between established AMS members and students.

- The EC discussed several alternatives to the boxed lunch and ultimately decided to reconsider the lunch situation during the summer. (Note in July 2017, the EC decided to go to a bag lunch for the San Francisco 2018 meeting.)

- The Program Officer asked the AMS EC to consider what it means to have the AMS as a cosponsoring society to SICB to start a dialogue about this partnership.
Editor-in-Chief’s report for *Invertebrate Biology*, Mike Hart

- *Invertebrate Biology* continues to do well.
- Submissions are up from previous years at 36 manuscripts.
- All associate editors will continue in 2017.
- The move to online-only publication is the biggest change this year.

Discussion:
- Online only publication saves approximately $10,000 per year in costs.
- There are 12 lifetime members who paid to receive the printed version of IB. Wiley can print copies of IB on demand for current lifetime members if they request it. The EC voted unanimously to pay to print on demand issues for current lifetime members if they request it. This is estimated to cost a maximum of $480.
- The open access rate was considered. A motion was brought to reduce the cost of open access from $3000 to $2500 to keep in line with other publications. The EC unanimously passed the motion.

Treasure’s Report, John Pilger

- The AMS is on strong financial footing with a net worth over $364,000.
- Net worth grew by 2.6%.

Discussion:
- The EC focused on the scope of use of the Darbaker funds, the income received from JSTOR downloads ($8800), as well as “special projects” fund from Wiley.
- Because of the switch to online-only publication, the AMS no longer incurs color plate charges from Wiley, offsetting the loss of income from Wiley “special projects”.

Student Fellowship Awards Report, Sara Lindsay

- The student awards committee for 2016 consisted of: Sara Lindsay (Chair), Beth Davis-Berg, Meg Daly, and Shan-na Hanes.


Publisher’s Report Christen Pruitt

- Online only publication of IB saves about $10,000 per year.
- Members may request on demand printing of issues for approximately $10. This may be accomplished through customer service by email request with direct invoicing to the AMS Member.
- An IB membership app will be built out by Wiley with AMS content. Members can access content and back files through the app.
- Wiley will soon start using Figshare, a data sharing site. This will consist of a journal-branded page that is integrated into scholar one and has an associated doi. Its advantages — it is citable, discoverable, and secure for perpetuity. No cost to members for data deposition.
- Wiley will also use Publons — a way for reviews to be credited for their contributions without revealing anonymity.
- Wiley publications will also start to use Literatum (addaupon). This will include a lot more metadata. Journals will migrate over the coming year. Membership pages will transition later. Should make experience for users more complete.
Additional Business

- Student Awards Committee: Shanna Hanes and Anja Schulze will take the lead, Sara and Megan will help set the schedule.
- The duties of each EC are outlined in the constitution and in a separate duties document. According to the Constitution, the Treasurer is to be bonded. This needs to be further explored.
- The EC discussed the duties of the Graduate Student Representative; the Members at Large and the Graduate Student Representative were tasked to consider this.
- The Buchsbaum Photomicroscopy Contest continues to be a highlight for AMS at the annual meeting but requires a bit more PR. The EC agreed to push more through the SICB site and to consult with Wiley to get the winning images featured on the IB homepage. Winning images will also be featured on the Editor’s page of IB.
- The Website coordinator requested more help including a second set of eyes to find mistakes and a schedule.
- A web and social media committee will be formed. This team will work with Christen Pruitt from Wiley and Amy Johnston Web Coordinator.
- A discrepancy between the Constitution and practice was noted; the president-elect’s term is constitutionally prescribed as two years, in practice, it has been treated as a one-year position. This will be addressed during the summer.
- The President will work with the Secretary to form the nomination committee.
- The EC will go to virtual quarterly meetings to be arranged by the President and Secretary.
- Declining membership in the AMS was discussed. Membership renewals will begin in 2017 and the President and Wiley will work together to recapture lapsed members. Autorenewals would be a beneficial feature and will be pursued from Wiley’s end.
- The incoming President of SICB, Lou Burnette, has asked the AMS EC to consider what it means for AMS to be co-sponsor at SICB. Plan is for the SICB President to elucidate the meaning of co-sponsorship.
- It is currently unclear if this will change the relationship between the AMS and SICB. There is also an ongoing parallel discussion about the relationship of each division to SICB.

Sara Lindsay thanked the Executive Committee adjourned the meeting at 10:15 PM
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<td>Sara Lindsay</td>
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<td>Past President</td>
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<td>Editor-in-Chief of <em>IB</em>: Mike Hart</td>
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<td>Member-at-Large: Shanna Hanes</td>
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<td><a href="mailto:shanes@martinmethodist.edu">shanes@martinmethodist.edu</a>;</td>
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<td>Member-at-Large: Marymegan Daly</td>
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<td>Member-at-Large: Anja Schulze</td>
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