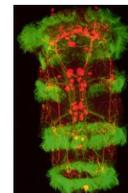




Newsletter



Biannual Newsletter

Editor: John D. Zardus

Fall 2010

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Member-at-Large: Rick Hochberg	rick_hochberg@uml.edu
Member-at-Large: Sally Leys	sleys@ualberta.ca
Student Representative: Shanna Hanes	hanessd@auburn.edu

Message from the President



Greetings from Arlington, Virginia, my temporary home for the next year as I serve as a Program Director at the National Science Foundation. I have been here for six weeks and my brain has been in high gear learning the ropes of the Foundation; it is indeed an amazing place. I just returned from "Boot Camp", a four day Program Management Seminar offered by NSF for "newbees"; we were sequestered in the mountains of West Virginia, and you can imagine how beautiful it was this time of year. As I took in the scenery of the mountains, my thoughts wandered to another beautiful spot that I visited last summer, Salt Lake City. I am delighted to be returning to this charming city for our annual meeting scheduled for January 3-7, 2011.

AMS Program Officer Sara Lindsay has compiled an outstanding program, which includes co-

sponsoring four symposia and an evening reception. AMS will have a booth in the Exhibit Hall where folks can gather to renew/make friendships, talk microscopy, introduce your students to the Society, and enter or cast your votes for your favorite photomicrograph in the Buchsbaum Photomicrography contest. Additionally, the Executive Committee will meet on Tuesday evening, January 4 from 8:00-11:00pm, while the Business Meeting is scheduled for Thursday, January 6 from 10:45-11:45am. I invite you to attend the ever-engaging Business Meeting and the AMS luncheon, which will immediately follow the Business meeting; tickets for the luncheon can be purchased at the SICB website (www.sicb.org). I encourage you to invite your students to the various AMS events, especially the luncheon. The AMS Keynote Address by Craig Young, “The discovery and naming of marine larval forms: shallow and deep, then and now”, is planned for the evening of Wednesday, January 5. As a fan of marine larvae, I look forward to his talk and encourage everyone to attend. Craig is a very entertaining speaker, and his work is terrific.

I am pleased and honored to announce that AMS is the primary sponsor of a Society-wide symposium for the 2012 Society of Integrative and Comparative Biology meeting in Charleston, South Carolina entitled: “Grand challenges and dispersal in marine organisms: a symposium honoring Mary E. Rice”. The symposium, organized by Jon Norenburg, Kathy Coates, Judy Winston, and myself, honors Mary Rice by assembling an interdisciplinary group of outstanding young and established speakers to address dispersal in marine organisms, a theme that has permeated Mary’s decades of work with sipunculans and been promoted by her tireless efforts on behalf of students, postdoctoral fellows and colleagues engaged in life-histories research. A number of festivities are planned to honor this amazing scholar, and all are invited to attend.

My appreciation goes out to the entire Executive Committee for their outstanding work this past year. Both Jon Norenburg and Michael Hart leave the Committee after years of faithful service. In his position as Past President, Jon chaired the Membership Committee and the Nominations Committee and served on the Student Research Fellowship Committee. Jon was an excellent mentor to me, and I thank him for that. Mike completes his term of Member-at-Large; he was instrumental in establishing and overseeing the Student Travel Awards for our annual meetings. He continues to serve as an Editor for *Invertebrate Biology*, so his work continues on behalf of the Society.

Once again, I encourage you to make a gift in support of the AMS Student Travel Fund. These funds will be used to subsidize the travel of AMS student members presenting original research employing microscopy at the annual AMS meetings in January. Contributions, payable to AMS, can be sent to Dr. Bruce Conn, School of Mathematical & Natural Sciences, Berry College, 2277 Martha Berry Hwy, Mount Berry, Georgia 30149-5036.

This is my last year as President of AMS; those two years went by in a flash. I consider it an honor and a privilege to have worked with such dedicated members of the Executive Committee and others on behalf of the Society. I extend a special thank you to John Zardus, our loyal Secretary (he had my back the whole time), Sara Lindsay for stepping in as Program Officer when I really needed her to do so, Bruce Conn for his financial wizardry in tough financial times, Kathy Coates

for her spirited personality and skillful handling of the Student Research Fellowship Awards, Amy Johnson for her guiding light in redesigning and overseeing the AMS Website, Patrick Reynolds for his masterful leadership as Editor-in-Chief of *Invertebrate Biology*, and his talented successor Bruno Pernet (we made a wise choice with this intertidal guy). In January, I will pass the gavel to the ever-capable Kathy Coates. No doubt, the Society will continue to do great things under her guidance, and I wish her well.

Finally, to all the student members of AMS, please know that you are the future heartbeat of the Society and critical to its continued success. I have enjoyed talking with many of you at our annual meeting and reading your summer research fellowship applications. I encourage each of you to remain engaged in Society activities throughout your career and to serve as a voice to recruit new student members into the Society.

Happy holidays to all, and I look forward to seeing you in Salt Lake City.

Best wishes,
Vicki Martin
President, AMS

Message from the Editor-in-Chief



As I approach the end of my first year as Editor-in-Chief, business at *Invertebrate Biology* continues to hum along. All the hard work former EIC Patrick Reynolds put in to smooth the transition apparently worked, and I thank him again for that. This year we've been doing very well in terms of numbers of submitted manuscripts, and the journal's editors (Mike Hart, Louise Page, Heather Proctor, Greg Rouse, Nora Terwilliger, and Bob Thacker) have (as usual) been doing a great job of shepherding manuscripts through the peer-review process in a timely and very professional manner. We've also been working hard to decrease the time from a manuscript's final acceptance to its online publication (in the journal's "Early View" section), and I'm pleased that this work has been paying off; that time is

about ~5 weeks on average, now, which is a testament to the skills of the production team at Wiley-Blackwell. And speaking of the Early View section, I'd like to encourage all AMS members to check out the journal's new homepage, at [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1744-7410](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1744-7410). It debuted in July 2010. We'll be fine-tuning it over the next few months; feel free to send any suggestions for improvements to me.

As noted last spring, one of my first actions as EIC was to make changes to the Editorial Board, whose members were at the end of their terms. I thank all retiring members for their assistance over their terms (in most cases, more than one term!), and welcome the returning and new members. New board members, many of whom have published in IB before, are Emily Carrington, Rachel Collin, Bernie Degnan, Amy Moran, Pat Reynolds, Max Telford, and Andreas Wanning. I look forward to working with them all over the next three years.

Again, as I noted last spring, one of my main goals for my term as EIC is to be active in soliciting high-quality manuscripts from the community. I'd thus like to encourage all AMS members to consider submitting their own best work to the journal, and to encourage their colleagues to do the same. So if you know of someone who is doing excellent work on the biology of invertebrates, please encourage them to submit it to IB. I'm happy to discuss advantages of publishing in the journal with any potential author, so please have them contact me.

Cheers,
Bruno

Message from the Program Officer



At the end of September, I met with the program officers from all the SICB divisions and The Crustacean Society to schedule the 2011 meeting program and discuss symposia for 2012. We toured the meeting space in the Salt Palace Convention Center which is spacious and attractive. As in recent years, the 2011 meeting promises to be a full one, with ~1100 abstracts submitted and a great diversity of talks and posters in addition to symposia. I look forward to seeing many AMS members there and invite you all to drop by our booth, to renew acquaintances and Society memberships, and to participate in our events. As you plan your travel, note that the meeting extends through Friday afternoon, January 7 with a closing reception from 3:00 to 5:30 PM.

Here are some highlights of the annual meeting to plan for:

AMS is co-sponsoring four symposia at the 2011 SICB meeting: "Mechanisms of Central Pattern Generators" (Tuesday), "Speciation in Marine Organisms" (Tuesday), "Neuroecology" (Wednesday), and "Population Dynamics of Crustaceans" (Thursday).

Dr. Craig Young, Director of the Oregon Institute of Marine Biology, University of Oregon, will deliver the AMS Keynote Lecture, "The Discovery and Naming of Marine Larval Forms: Shallow and Deep, Then and Now" (Wednesday, Jan 5, 7:30-8:30 PM).

AMS will join The Crustacean Society and SICB Divisions of Invertebrate Zoology and Ecology & Evolution for a joint social on Wednesday evening (Jan. 5) in the Convention Center.

The AMS Business Meeting (10:45-11:45 AM) and Luncheon (12:00-1:00 PM) will be on Thursday, Jan. 6 in the Convention Center. Once again this year we will have a selection of box lunches to choose from for lunch, and student tickets are discounted as an incentive to encourage their participation in the Society. Winners of the Buchsbaum Photomicrography contest will be announced at the Luncheon. Lunch tickets are required and may be purchased through the meeting registration page at the SICB website (www.sicb.org).

AMS will have a booth in the Exhibit Hall. Stop by to enter/vote for your favorite photomicrograph in the Buchsbaum Photomicrography contest, learn more about AMS activities and opportunities for students, or just to visit. We look forward to seeing you!

Announcements

Nominations for Upcoming Elections

Nominations are open for the following two offices on the Executive Committee of the American Microscopical Society 2011:

1) President-Elect

Primary duties include administering the Summer Research Fellowship program for the society, and assuming the presidency if necessary.

2) Member-at-Large

Three Members-at-Large serve on the Executive Committee for a term of three years each but start dates are staggered so that not more than one Member-at-Large is elected per year. Primary duties include serving on the Membership Committee and fulfilling other committee or program duties as appointed by the President.

Term of office will begin January 2011 at the conclusion of the Annual Meeting of the American Microscopical Society.

All nominations should be sent to Jon Norenburg at norenburgj@si.edu by midnight November 19. Nominees must be members of the American Microscopical Society and must consent to being nominated. Elections will be held by email balloting in late November or early December.

And thinking ahead, It is none too early to begin considering nominations for Program Officer for 2012 when Sara Lindsay steps down!

Proposed Changes to the AMS Constitution

Two proposed additions to the AMS Constitution will also be presented on the upcoming ballot:

1) it is proposed that the position of Website Coordinator, with a term of three years, be added to the Executive Committee. The Website Coordinator would oversee operations of the AMS website and have full voting privileges on the Executive Committee.

2) It is proposed that the position of Graduate Student Representative, with a term of two years, be formalized as a member of the Executive Committee with full voting privileges. A graduate student representative has served on the committee unofficially in the past and the proposal is that it be mandated by the Constitution.

AMS Student Research Fellowships

The American Microscopical Society (AMS) Student Research Fellowship funds are designated for summer support of research projects involving microscopy. Two fellowships of \$ 700 each are available. The funds may be used for short term support of any research project involving microscopy. Any undergraduate or graduate student member of AMS is eligible to apply, with the exception of past fellowship recipients. Applications from undergraduates and those from graduates are assessed independently.

We look forward to your applications. Please remember to encourage your fellow students or students under your supervision to both join AMS and to apply for this and our other awards.
Kathy Coates, Bermuda

Summer Awards for 2011

We are working toward an online application system, through the Society website. Specific submission procedures and deadlines for the summer awards of 2011 will be announced in January 2011. Please watch for further announcements. In general, applications will be due in mid-March and awards will be made by the end of April 2011. If you have questions about submission procedures or proposal content, please contact Dr. Kathryn Coates kcoates@transact.bm, President-elect, AMS.

Guidelines for AMS Fellowship Proposals

The proposal should consist of the applicant's Curriculum Vitae, a separate budget page, and a short description of the research project; the description should be a maximum of 3 pages, double-spaced, 11 pt type minimum. The budget page should clearly explain or show how the fellowship funds will be used and detail any current support of the project. Funds can be used for supplies, fees or other charges for equipment use, and travel to field sites. Costs for travel to meetings and courses, tuition fees, and publication are not supported. The proposal should be accompanied by a supporting letter from the applicant's research advisor.

A successful proposal description will include an introduction, objectives, methodology, expected significance of results and literature cited; and a well-justified budget. The role of microscopy is a major component of proposal evaluation. Provide concise details of the microscopic approaches to be taken in the proposed research and show their appropriateness to the objectives of the project. If the microscopy research for which you are requesting funding is part of a broader thesis or dissertation topic, you should write your proposal only for the microscopy portion of the research. The proposal to AMS can be linked to your broader research objectives via the introduction and significance of results sections. If you have preliminary results or evidence that support the likelihood of the project's success these should be noted.

Student Travel Awards
SICB 2011, Salt Lake City

The American Microscopical Society is offering awards to student members who will be presenting at the annual meeting.

Applicants must:

- Be a member of AMS
- Be enrolled in an undergraduate or graduate degree program
- Give either an oral or poster presentation at the next AMS/SICB annual meeting
- Use microscopy in the research presented at that annual meeting
- Demonstrate financial need for AMS support of travel to the annual meeting

Amount of individual award: \$100.00 US.

Applications should include (and be limited to):

Applicant's name and academic affiliation

Applicant's contact information (email, telephone, mailing address)

Title and authors of SICB presentation

Statement of membership in AMS

Paragraph describing the use of microscopy in the research to be presented at the annual meeting (≤ 200 words)

Statement of financial need, including a budget where appropriate (≤ 200 words)

Applicants should not send full CVs, letters of recommendation, reprints, or other documents.

Electronic applications should be sent by email no later than Nov. 25, 2010 to:

Dr. Michael Hart, mike_hart@sfu.ca

Future Events

Invertebrate Conference 2011

The 2nd annual International Congress on Invertebrate Morphology will be hosted by the Museum of Comparative Zoology, the Department of Organismic and Evolutionary Biology, and the Harvard Museum of Natural History, at Harvard University, from June 20th to June 23rd 2011.



Rice Symposium 2012

A society wide symposium honoring Mary Rice will be held at SICB in Charleston 2012.

The 2011 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 2011 Buchsbaum Photomicrography Contest at the upcoming SICB conference in Salt Lake City!

The 2011 contest, sponsored by the American Microscopical Society, will be held during the SICB meeting in Salt Lake City, Utah from January 3-7. The contest is a memorial to Ralph Buchsbaum, pioneer in cell and tissue culture of animals and champion of photomicrography, and its aim is to encourage microscopical-biological photography.

Micrographs can 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. The deadline for submissions is noon on the first full day of the meetings (January 4, 2011). Voting begins that afternoon. Details can be found on the American Microscopical Society's website: <http://amicros.org/>.

Winning entries in the color and B&W categories each receive a cash award, a book on photomicrography, a ticket to the AMS luncheon at the following year's SICB conference, and the envy of all your peers.

Student Portfolio Winner

Ms. Kelly Schwarz, an undergraduate student in Dr. Anne Boettger's microscopy class at West Chester University in Pennsylvania, was awarded a \$50 prize by AMS for best student portfolio. Congratulations Kelly!

Embryos of the sea urchin *Lytechinus variegatus* treated with 10% ethanol in seawater imaged by differential interference contrast microscopy at 40X magnification.

