

SOCIETY FOR INTEGRATIVE AND COMPARATIVE BIOLOGY
Executive Committee Meeting Minutes
4 January 2017 and 8 January 2017
Royal Room, Hilton Hotel
New Orleans, Louisiana

Executive Committee Members, 4 Jan 2017:

President – Peter Wainwright
President-Elect – Lou Burnett
Past President – Billie Swalla
Program Officer – Rick Blob
Past Program Officer – Sherry Tamone
Treasurer – Karen Martin
Member-at-Large – Patricia Hernandez
Member-at-Large – April Hill

Divisional Chairs:

DAB – Jenny Gumm
DCB – Melina Hale
DCE – Michael Romero
DCPB – Kim Hammond, Chair-Elect, for Inna Sokolova
DEDB – Cassandra Extavour
DEDE – Carol Fassbinder-Orth
DIZ – John Zardus
DPCB – Kerin Claeson
DVM – Callum Ross

Editor, *ICB* – Lynn (Marty) Martin
Student Postdoctoral Affairs Committee Chair – Zen Faulkes
Educational Council Chair – Bram Lutton
Broadening Participation Committee Chair – Stacey Combes
Executive Director (*ex officio*) – Brett Burk (BAI)

Others present:

Committee Chairs:

Alice Gibb – Nominating Committee Chair (and incoming Secretary-Elect)
Molly Jacobs – Public Affairs Committee Chair
Bob Roer – Development Committee Chair

Guests

Beth Brainerd – incoming President-Elect
Creagh Breuner – incoming Member-at-Large
Jill Drupa – BAI
Michelle Elekonich – NSF
Robert Miller – NSF
Suzanne Miller – *ICD* Assistant Editor
Neil Scriven – Oxford University Press

Note: Blue underlined items are reports appended to the end of these minutes.

1. Call to Order

The meeting was called to order at 2:30 p.m. by President Peter Wainwright. President Wainwright welcomed and introduced the members of the Executive Committee and guests. He also briefly summarized the history of SICB considering New Orleans as a venue for the annual meeting.

Approval of minutes of the 2016 Executive Committee Meeting – delayed until after the meeting (approved via online vote on 25 January 2017 and then posted on the [SICB web site](#)).

2. Record of Executive Committee Actions between annual meetings

The following actions between the annual meetings were read into the minutes for the record:

a. **ICB Editorial Board Appointments:**

The nominations of six members of the *Integrative and Comparative Biology* Editorial Board were approved by the SICB Executive Committee in 2016: Diana Hews representing DAB (for an abbreviated term replacing Matt Grober, through January 2018), Tyson Hedrick for DCB (July 2016-January 2021), and new Associate members Manny Azizi (March 2016-January 2019), David Julian (March 2016-January 2019), Jonathon Stillman (March 2016-January 2018), and Ann Tarrant (March 2016-January 2019).

b. **New SICB Development Policy on Named Awards was adopted on 25 April 2016:**

The SICB Executive Committee voted 22-0 to approve a new policy, proposed by the Development Committee, about named student support awards based on significant donations to the Mangum or GIAR/FGST endowments. The new policy is available at SICB website > Resources > Policies. ([A2-New SICB Development Policy](#))

c. **Search for a Founding Editor-in-Chief of a new SICB open access journal was approved on 20 September 2016:**

The SICB Executive Committee voted 20-1 to approve a search for a Founding Editor-in-Chief of a new SICB open access journal, *Integrative and Comparative Biology Open* ([A2-ICB Open Proposal](#)). The search committee is currently seeking nominations and applications.

d. **A SICB Meeting Code of Conduct was approved on 23 November 2016:**

The SICB Executive Committee voted 20-0 to approve the SICB Meeting Code of Conduct; it is available at SICB website > Resources > Policies. ([A2-SICB Code of Conduct](#)).

e. **SICB signed onto an AIBS letter to President-elect Trump about the importance of research in the biological sciences**

([A2-AIBS Trump Transition Letter Final](#); see also https://www.aibs.org/position-statements/20161222_trump_transition_letter.html).

3. Officer Reports ([Appendix 3](#))

a. **Program Officer Report** – Blob ([A3-Program Officer Report 2016](#))

1. The schedule for the week was highlighted (see link to [SICB grid 2017.pdf](#))
 2. A meeting registration report was presented; meeting registration and number of abstracts have been on an upward trend over the past 10 years. Managing this growth in a positive way will be important.
 3. PO Blob emphasized that it is important for everyone, especially divisional chairs and program officers, to encourage symposium proposals. Symposia are the heart of the meeting as well as the *ICB* journal content. The Program Committee and Executive Officers are discussing ways to promote and support symposia and seeking creative ideas for making organizing symposia more attractive or removing any hurdles to the process.
 4. After reviewing the information provided about the venues, the Executive Committee voted on the proposed meeting venues for 2021 and 2023.

In two separate votes, the Executive Committee voted unanimously to approve Wardman Park, Washington, DC, for the 2021 meeting, and Austin, TX, for the 2023 meeting.
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 5. The 2022 meeting will be in the western part of the country and several sites are being considered at present; Alice Gibb suggested considering Phoenix for 2022.
- b. **Secretary Report** – Lou Burnett presented in place of Kathy Dickson, whose flight was delayed
1. The Newsletter schedule for 2017 was reviewed; Divisional Chairs were reminded about their reports for the newsletter. Secretary Dickson will be sending out reminders.
 - a. Spring 2017
 - i. Mar 4 - submission due
 - ii. Mar 23 - review on-line draft
 - iii. Mar 30 - corrections due
 - iv. Apr 5 - newsletter goes on-line
 - b. Fall 2017
 - i. Oct 5 - submission due
 - ii. Oct 23 - review on-line draft
 - iii. Oct 27 - corrections due
 - iv. Nov 1 - newsletter goes online
 2. Spring elections.
 - a. Elections occur in the spring ([A3-Secretary, SICB Election Schedule for Spring 2017](#) for SICB-wide and divisional elections). The full election schedule is online: go to Resources > Elections > Election Schedule for SICB and Divisions or <http://www.sicb.org/resources/electionschedule.php3>. Society-wide elections for Treasurer-Elect, Educational Council Chair, and Member-at-Large will be held. Alice Gibb is chairing the Nominating Committee. Other members are Steve Kinsey, Sönke Johnsen, and Patricia Hernandez.
 - b. Divisional nominating committees should have been appointed in the fall; Divisional Chairs were reminded about this, and that the annual

meeting is a good time to recruit nominees. Candidate information must be prepared in time for the Spring newsletter.

- c. Nominating committees may use the list of candidates who have previously run for offices which is available on the SICB web site under Resources > Elections > Election Candidates for SICB and Divisions or <http://www.sicb.org/resources/electioncandidates.php3>.
3. SICB Bylaws changes - There were no Society Bylaws amendments in 2016.
4. Divisional Best Student Presentation awards.
 - a. Best Student Presentation (BSP) procedures for administering the awards are posted on the SICB web site at Resources > Administration, Contacts & Handbooks > Administrative Procedures for Divisional Best Student Presentations. Most divisions now have a selection process for finalists for the BSP oral and some do for posters.
 - b. Divisional Chairs were reminded to have the **Divisional Secretaries** report the results of the 2017 Best Student Presentation awards to the SICB Secretary **within 2 weeks** after the annual meeting for posting on the SICB web site and notification of winners.
 - c. Procedures for processing certificates and checks were reviewed. Divisional Chairs signed a circulating form for certificates to be presented.
5. Other resources on the SICB web site were noted, and ideas to make it more useful, especially with regard to the planned website update, were solicited
6. **Post-meeting Survey.** Last year a post-meeting survey was sent to all attendees of the 2016 annual meeting and 525 individuals responded. The results of the survey were shared with the Executive Committee. The feedback was used to improve the annual meeting and the program of the meeting. A post-meeting survey is again planned for this year, with responses due ~Feb 1.
- c. **Treasurer Report** – Karen Martin
 1. The Treasurer reported on the [finances of the Society](#) and reviewed the budget for fiscal year 2016 ([A3-Treasurer Report 2016](#)). The operating budget was in the black, and total assets continue to grow. A total of \$100,500 in student support was provided in 2016, not including subsidies for the annual meeting. The amount for GIAR/FGST was increased to \$40,000.
 2. Donations to SICB totaled \$52,050 in FY2016. All but 2 of the 12 named funds have now reached the \$25,000 minimum threshold, thanks to the hard work of several divisions and large donations by Jarid Simons.
 3. A budget for fiscal year 2018 (7/1/2017-6/30/2018) was presented and discussed. Membership dues will be the same, and have not increased for > 10 years. For the 2018 meeting, registration fees will increase by \$10 for all categories.
 4. More work is being done to increase the transparency of revenues and expenses, and to provide divisions with more detailed and timely information on their budgets.
 5. The Treasurer announced that an annual evaluation (electronic survey) of Burk & Associates, Inc. and SICB Executive Officers will be sent after the annual meeting to all 2016 Executive Committee members, SICB committee chairs, and divisional officers. The survey will close on January 31, 2017.

d. President-Elect Report – Burnett

1. The President-Elect reviewed a summary of the Member Survey that was conducted in spring 2016 ([A3-President-Elect, SICB Member Survey 2016](#)). The 48-question, 12-page survey took a year to develop, with input from Executive Committee members and Committee Chairs, and was made available online to SICB members. There were 614 responses, 60.3% of whom were full members. The information gathered is used by the society leadership for planning purposes. Valuable feedback was received on timing of the annual meeting, the Research and Educational Resources, what members would like to see published in ICB, and on a possible new online journal. [Survey results are posted on the SICB website](#).
2. The President-Elect also reviewed committee appointments for the next year. It is the responsibility of each Executive Committee member to respond to the yearly survey sent out for suggestions to fill vacancies on the various committees. The President consults with Executive Officers about appointments and uses this annual survey to consider individual appointments. Please think carefully about developing a pipeline of members to take on divisional and society leadership roles.

e. President Report – Wainwright

1. Plans for a new SICB open access journal, *Integrative and Comparative Biology Open*, and the ongoing search for a Founding Editor-in-Chief ([A2-ICB Open Proposal](#)) were presented by President Wainwright. SICB is receiving applications and nominations for this important position until March 1, 2017. The primary goal for this journal is to publish top primary research articles in integrative and comparative biology, to be the premier journal in this area, and to expand to an international scale and globalize the society. Potential candidates for the Editor-in-Chief position are encouraged to discuss their interest with one of the Search Committee members: Peter Wainwright (chair), Andy Biewener, Beth Brainerd, Ken Halanych, Rich Satterlie, and Marty Martin. Please encourage good candidates to apply. In mid-March, the Search Committee will forward a short list of top candidates to the SICB Executive Officers, who will interview these candidates, probably by Skype, rank them, and make the appointment.
2. Once an Editor-in-Chief is appointed, that individual will work on a contracting a publisher for the new journal; Oxford University Press (OUP) will be one of the publishers to be considered. The role of Ian Sherman of OUP in moving SICB toward plans for an online journal was acknowledged.
3. The new SICB Meeting Code of Conduct was discussed ([A2-SICB Code of Conduct](#)). SICB is being proactive in creating this policy. It took the Executive Officers a year to develop the new policy; Title IX officers at universities were consulted, and policies of other societies were reviewed. The Title IX officers are in the best position to deal with complaints that may be filed at the meeting. The current policy relies on taking advantage of that expertise to respond to complaints, in part because no officers are currently trained appropriately, this area is very dynamic, and this is the advice SICB received. The policy may be revised in the future. We may also consider

amending the Bylaws or Constitution to allow possible sanctions, such as rescinding SICB membership. In the future, we may have SICB and/or BAI individuals become trained specifically to respond to violations of the Code.

4. Special Report – Representatives from the National Science Foundation Directorate for Biological Sciences, Division of Integrative and Organismal Biology (IOS)

Rob Miller, IOS Deputy Division Director, with Program Directors Michelle Elekonich and Bill Zamer, reviewed NSF programs and information of special relevance to SICB:

- a. The upcoming pre-proposal deadline for IOS is Thursday, 19 January 2017. NSF considered SICB's concerns about this date being so close to the SICB annual meeting, but it was not possible to change it due to internal timing considerations. Rob Miller noted that the pre-proposal process is a pilot program which is undergoing evaluation by an external consultant, and NSF should receive the report in 4-6 weeks. After reviewing the report, all options will be on the table and changes may be made. At present, it is not known what process will be in effect for fiscal year 2019 funds, but NSF will communicate with the community as soon as possible. The pre-proposals that are submitted in January 2017 will be for fiscal year 2018 funds.
- b. The EDGE program (Enabling Discoveries through GENomic Tools) was removed from the current IOS solicitation and it is expected that a separate EDGE solicitation will come out for FY2018. Funding decisions for proposals to the first EDGE competition (FY2017 funds) are currently being made.
- c. There will be a new solicitation sometime in 2017 (for FY2018 funds) resulting from a Genome-to-Phenome workshop to identify areas in which new mathematical advances or applications will help move the field of cellular-physiological-organismal biology forward (see <https://www.nsf.gov/pubs/2017/nsf17560/nsf17560.htm>).
- d. A concept NSF is talking about is the 10 Big Ideas (including Biology's Rules of Life initiative) which will be of interest to SICB members (see https://www.nsf.gov/news/special_reports/big_ideas/index.jsp).
- e. For NSF, 2017 has some new challenges, including NSF's move to Alexandria in the summer and the budget situation; NSF on a continuing resolution until April 29th.
- f. Rob thanked SICB members for their service to NSF, and reminded everyone that NSF is always looking for program officers, panelists, and reviewers.

President Wainwright thanked Rob, Michelle, and Bill for participating in the meeting, and for the continued participation of NSF representatives in SICB meetings. He also noted that Prosanta Chakrabarty from the Division of Environmental Biology was attending the annual meeting and that the NSF workshop will be held on 5 January at noon.

Lastly, it was announced that this is Bill Zamer's last SICB meeting representing NSF. Bill was acknowledged and thanked for his involvement with SICB, his advocacy for organismal biology, and for mentoring so many SICB members. Bill expressed his appreciation for working with SICB and for all that SICB has done to promote organismal biology.

5. Committee Reports ([Appendix 5](#))

- a. **Journal, *Integrative and Comparative Biology*** – Marty Martin
 1. Editor Report ([A5a-ICB editor report 2016](#)) – Editor Martin presented a PowerPoint highlighting the published symposia, the number of expected papers,

exemptions, reviewer response, and review/revision times, and showed similar acceptance and rejection rates in 2015 vs. 2016. Symposium papers are now due March 31st at latest; January 31st is the early-bird deadline for free color figure. There were changes made to the paper processing procedures this past year, which increased handling timing a bit, but deadlines were all met thanks to the efforts of Suzanne Miller and the responsiveness of the editorial board members. Editorial board member paper assignments were made in advance this year. It is incumbent on symposium organizers to clarify the publishing expectations and deadlines for all symposium participants.

2. Marty solicited input on the Editorial Board's idea of starting *ICB* Postdoc Paper awards as a way to increase scope of papers in the journal ([A5a-Postdoc awardee paper proposal 2016](#)), or any other ideas about expanding journal content.
3. Editorial Board appointments: Two new divisional representatives were nominated by Editor Marty Martin on the recommendation of the respective division:
 - a. DAB Representative, Tracy Langkilde
 - b. DEE Representative, Michael Dillon

These appointments were approved via online vote of the Executive Committee on 25 January 2017.

4. Ian Sherman, Oxford University Press, reviewed the Publisher's Report that was previously circulated to the Executive Committee. The journal is the main money-making activity for SICB. The journal impact factor is stable, but including more invited reviews may increase it. The number of self citations is low, possibly due to heterogeneity of the content in the journal. In 2016, 8 papers opted to pay for open access, up from 1 last year. There were some production issues in the past year, but the problems have been solved going forward. Ian was acknowledged and thanked for his work with SICB for the past 8 years. This is his last SICB meeting as the journal representative; Neil Scriven will take his place.

b. Standing Committee Reports (*committee order as listed in the SICB Bylaws*)
([Appendix 5](#))

1. Advisory – Swalla (*reported below on 8 January 2017*)
2. Educational Council – Lutton ([A5-Educational Council Report 2016](#)) reported that this year's Teaching and Learning X workshop this year is about PULSE, the Partnership for Undergraduate Life Science Education (<http://www.pulse-community.org>), a national organization of education leaders to promote Vision and Change in science education. Bram also acknowledged the Moore Lecturer and Morse Award winner. The Educational Council is also developing the Research and Education Resources database, and has selected four divisions - DCB, DCPB, DEE, and DIZ – as pilot projects to start to build up the database, with the Webmaster's help. In addition, the Educational Council is cosponsoring a symposium in 2018 on scientific communication and story telling, involving Pixar, etc.
3. Membership – Berke for Yen ([A5-Membership Committee Report 2016](#))
4. Nominating – (*reported below on 8 January 2017*)
5. Editorial Board, *ICB* – M. Martin (included in Journal Report above)

6. Student/Postdoctoral Affairs – Faulkes ([A5-SPDAC Committee Report 2016](#))
7. Student Support – Earley ([A5-SSC Pre-conference Report 2016](#); the GIAR and FGST awards will be announced at the SICB business meeting)
8. Finance Committee – K. Martin (included in Treasurer Report)
9. Public Affairs – Jacobs ([A5-Public Affairs Committee Report 2016](#)) reported on SICB's increased presence on social media, thanks to PAC member Thom Sanger taking over the Twitter account and tweeting every day; there has been a huge increase in activity; something for the society to consider is having this be a position one or more people continue to do. PAC is running two science communication workshops at this meeting – sketchnotes workshop and DIY videography workshop. The Newswise press releases, written by the alumni of the student journalist program, will start coming out tomorrow; email Jacobs if you see where SICB is getting picked up. And the student journalist program starts tomorrow morning. Thanks to the PAC having a representative on the AIBS Public Policy Committee, SICB signed on to an AIBS letter to President-elect Trump, as noted above.
10. Program – Blob (included in Program Officer Report)
11. Development – Roer ([A5-Development Committee Report 2016](#)) summarized the donations and number of donors for each named fund. The Committee wants to increase donations significantly over the next few years. SICB shirts will be on sale at the meeting. The Development Committee is meeting with Steve Vogel past students to plan on future funding of a named award.
12. Broadening Participation – Combes ([A5-Broadening Participation Committee Report 2016](#)). This year, the BP committee was able to provide 23 travel awards (> 50% of applicants). In this next year the committee will consider priorities for funding, think about how international students and those diverse in gender are considered, etc., and seek input from the Executive Committee. At this meeting, BP is piloting a meeting mentorship program the committee hopes to expand, and impact more than just the individuals who receive funding. The BP workshop is on microaggressions. BP also helped to support an outreach program to have SICB members visit local junior high school classes in New Orleans. All were invited to the BP social at Dragon's Den.

6. Divisional Reports ([Appendix 6](#))

1. Animal Behavior
2. Comparative Biomechanics
3. Comparative Endocrinology
4. Comparative Physiology & Biochemistry
5. Evolutionary Developmental Biology
6. Ecoimmunology & Disease Ecology
7. Ecology & Evolution
8. Invertebrate Zoology
9. Neurobiology, Neuroethology, and Sensory Biology
10. Phylogenetics & Comparative Biology
11. Vertebrate Morphology

7. New Business

- a. Honorary Members – as per the SICB Bylaws, the Membership Committee has recommended approval of one new honorary member (Rosalind Reid) and the Membership Committee Report in Appendix 5); Reid, the 2017 Moore Lecturer, was nominated by the SICB Executive Officers on the recommendation of the Educational Council.

The Executive Committee voted to approve.

Rosalind Reid shall be given an Honorary Membership in the SICB.

- 8. Adjournment. The meeting adjourned at 5:30 p.m. on 4 January 2017.**

SOCIETY FOR INTEGRATIVE AND COMPARATIVE BIOLOGY
Executive Committee Meeting Minutes (continued)

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President – Peter Wainwright
President-Elect – Lou Burnett
Secretary – Kathy Dickson
Program Officer – Rick Blob
Past Program Officer – Sherry Tamone
Treasurer – Karen Martin
Member-at-Large – Patricia Hernandez
Member-at-Large – April Hill

Divisional Chairs:

 DAB – Jenny Gumm
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 DCE – Michael Romero
 DCPB – Kim Hammond, Chair-Elect, for Inna Sokolova
 DEDB – Cassandra Extavour
 DEDE – Carol Fassbinder-Orth
 DIZ – John Zardus
 DVM – John Hutchinson, incoming Chair-Elect, for Callum Ross

Editor, *ICB* – Lynn (Marty) Martin
Student Postdoctoral Affairs Committee Chair – Zen Faulkes
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Executive Director (*ex officio*) – Brett Burk (BAI)

Others present:

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Alice Gibb – Nominating Committee Chair (an incoming Secretary-Elect)
Molly Jacobs – Public Affairs Committee Chair

Guests

 Beth Brainerd – incoming President-Elect
 Creagh Breuner – incoming Member-at-Large
 Jill Drupa – BAI
 Suzanne Miller – *ICB* Assistant Editor
 Neil Scriven – Oxford University Press
 Ian Sherman – Oxford University Press

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5. Committee Reports (continued from 4 January 2017)

- a. Advisory – Vj g'eqo o kvgg'o gv'kp'P QNC'cpf "discussed how to increase the Moore fund to \$70-\$80K so it could fully support the annual lecture - Trish Morse suggested that she and others who knew John Moore should contact others who knew him, apf "Dtco "Nwwqp"uwi i guvgf "vj cv'eqo o kvgg'o go dgtu'eqwrf "cmly kj "r t'gxlqwu'O qqtg'rgewt'gtu.
- b. Nominating – Committee Chair Alice Gibb gave an update on the committee's progress in identifying candidates for the three Society-wide positions to be filled. Executive Committee members were encouraged to propose good candidates at the meeting, and the committee has solicited nominations via the member update.
- c. Public Affairs Committee Chair Molly Jacobs noted that there were over a thousand hits each on the Newswise press releases posted.
- d. Development Committee – Burnett reviewed ideas for a “double your dues” capital campaign, to get all members, including student members, to recognize funds that support their activities, by asking each to donate the amount of dues they pay. Life members who pay no dues will be asked to pay \$100. The committee will also target student support, and do so over 3 years. For those who want to honor someone, e.g., recently for Steve Vogel, there is a new policy on how this can be done via GIAR/FGST funds (see [A2-New SICB Development Policy](#)). Working with the executive officers, the Development Committee will talk with each division with named funds and develop targets for those funds to be completely self-sustaining.

6. Divisional Reports (continued from 4 January 2017) ([Appendix 6](#))

- a. Several divisional chairs who were not present on 4 January 2017 reviewed highlights from 2016.

7. New Business

- a. The SICB Meeting App for 2017 was discussed; it is definitely improved over the previous year's app.
- b. 2017 Workshop updates: The Jan 8th Teaching and Learning workshop was a success; The Broadening Participation Committee's micro-aggression workshop drew around 60 participants, and important topics were brought up at this work shop. A question was asked about whether the society is ignoring certain gender minorities.
- c. Discussion about meeting attendees: A DVM member had questioned if high school teachers and students are welcome at the meeting? The consensus is that they are, but attendance is not heavily promoted; at times it has been more so than at others. It is of increasing interest, because some teachers may be funded through NSF. The question is, What are we offering them? The idea of youth conference possibility was raised. Bram noted that a number of SICB members participated in an outreach to local middle schools Wednesday, and that there are logistical issues to address. Alice Gibb noted the registration categories do not include categories such as adjunct positions, and this should be considered.
- d. This year's Bartholomew Award winner agreed to write a paper for *ICB* based on the lecture; this is one idea the *ICB* Editorial Board had to increase the number of papers in the journal and to highlight good science being done by young members of the Society. The postdoc award discussed above is another.

8. Recognition of Executive Committee Members

The following SICB officers who are ending their terms at the end of the 2017 meeting were recognized and thanked sincerely for their service:

Society-wide officers:	
Wainwright, Peter	President
Hernandez, L. Patricia	Member-at-Large
Divisional Chairs:	
Hale, Melina	DCB, Chair
Sears, Michael	DEE, Chair
Ross, Callum	DVM, Chair

The incoming Society-wide officers, effective 8 January 2017, were noted:

- Beth Brainerd as President-Elect
- Louis Burnett as President
- Alice Gibbs as Secretary-Elect
- Creagh Breuner as Member-at-Large

9. The gavel was passed from President Wainwright to incoming President Lou Burnett. The meeting was then adjourned at 7:45 am.

Appendix 2 - Policy for Donations for Naming SICB Student Support Awards

(originating from the SICB Development Committee; approved 25 April 2016)

Individuals or groups who wish to honor or memorialize an individual who is or was a member of SICB may make a donation to one of the existing student support funds [Charlotte Mangum Student Support Program or Grants in Aid of Research (GIAR)/Fellowship for Graduate Student Travel (FGST)] and SICB will provide one (or more) of these awards in the honoree's name. The minimum donation to name one of these awards is \$1,000. For each \$1,000 donation, one of the awards made to a student for one year will be designated with the name of the honoree. For example, a \$10,000 donation to the Charlotte Mangum Student Support Fund in honor of or in the memory of John Doe would result in ten of the Mangum awards being called the John Doe awards for one year, or five of the awards for two years, or one named award for 10 years. Donors would be free to designate which of the above student support funds would receive the donation and the number/duration of the awards.

A mechanism will be set up on the SICB web site to receive proposals for these donations. The SICB Executive Director will be listed as the contact person to receive inquiries and answer questions. It is understood that some flexibility in establishing SICB named awards should be maintained. If specific issues arise that need to be addressed, the SICB Finance Committee is empowered to make decisions.

Rationale

The goal of this proposal is to increase the principal of the Mangum and GIAR/FGST funds. It would not preclude donors from contributing to other named funds that are already established. All donations would be added to the principal and the annual disbursement of support would not change – there would be no additional awards made based upon donations described above. One or more of the current awards would be named for an honoree.

This would be an excellent way to educate our students about the heritage of the Society and the luminaries in their fields. Moreover, the procedure would not require any additional committees. Students would be evaluated for the support award programs in the same manner as is currently in practice, and those receiving named awards will be identified after selection and notified of the association of their award.

This is a win-win proposal. The principal of these student support funds will grow. We don't change the amount dispersed annually, and we simply name one of the awards that we are already making for an honoree. If this works really well, the student support funds can eventually become self-sufficient and could even grow, increasing the number of students we support.

Accounting

The donated funds will be added to the principal of the Mangum or GIAR/ FGST fund (as opposed to being used to fund a given award in the year the donation is made). The student awards will continue to be funded annually as they are now, and there is no planned increase in the amount to be awarded each year via Mangum or GIAR/FGST student support. However, the annual amount of usable funds generated by investment of the principal will grow as the principal grows.

Integrative and Comparative Biology Open

A New Open Access Journal Published by
The Society for Integrative and Comparative Biology

We propose that the Society for Integrative and Comparative Biology develop a new journal, ***Integrative and Comparative Biology Open***. This will be an all-open access journal that publishes high-quality primary research papers in areas of integrative and comparative organismal biology. When established, this journal will significantly strengthen SICB's position as the top scientific society in the world in this area of biology. Articles published in this journal will be freely available to interested readers around the world regardless of the quality of institutional libraries.

We, the Executive Officers of the SICB, have carefully evaluated the benefits and challenges of developing this new journal. We have had extensive discussions with Marty Martin, the new Editor-in-Chief of SICB's existing journal, *Integrative and Comparative Biology*, and have Marty's support. We also have had discussions with representatives of Oxford University Press. We consulted broadly among attendees at the 2016 annual meeting in Portland, and questioned the membership about this proposal in the society-wide survey that was conducted in winter/spring of 2016 (please see below for a summary of that section of the survey).

The first crucial step in developing this journal will be to appoint a **Founding Editor-in-Chief** with the energy and vision to successfully oversee the exciting start-up period. We propose to identify this person before the full structure of the journal is determined and before the business contract with a publisher is negotiated. This will allow the Founding Editor to direct these crucial steps in collaboration with SICB, maximizing the opportunity to put their imprint on the journal.

We propose to immediately begin the search for the Founding Editor-in-Chief, culminating in the selection during winter of 2017. While we hope to find this person from among the membership of SICB and will focus our efforts there, we will advertise broadly. The quality and attributes of the Founding Editor are crucial to the successful launch of this journal. If we are unable to find the right person to fill this position, we will reconsider or delay the launch of the journal until such time as the search is successful.

Once the Founding Editor is identified we will work with this person to negotiate a publishing contract, likely with Oxford University Press, that will define key parameters, including the author processing charge (APC), the amount of APC discount for SICB members, and the profit split between Oxford and SICB. SICB members will receive a considerable discount on the APC and every effort will be made to keep the APC as low as possible. The Founding Editor will work with SICB to define the editorial structure and processes for the journal, and recruit a group of Associate Editors.

Once this new journal becomes established and begins publishing beyond a threshold of about 75 articles per year, SICB will begin to earn a profit that will scale with the number of articles published. This will form a novel revenue stream for SICB that has the potential to be considerable and will protect us against potential future changes in the publishing world that could significantly change the profitability of our existing journal, *Integrative and Comparative Biology*.

We ask for your approval to immediately launch the search for the **Founding Editor-in-Chief.**

Thank you,

Society for Integrative and Comparative Biology Executive Officers:

Peter Wainwright, President
Billie Swalla, Past President
Lou Burnett, President Elect
Brett Burk, Executive Director
Karen Martin, Treasurer
Kathy Dickson, Secretary
Rick Blob, Program Officer
Sherry Tamone, Past Program Officer

SICB Member Survey 2016

The 2016 SICB Member Survey was developed over the course of one year with broad input from SICB Committees, the SICB Executive Committee, BAI Management Staff and other SICB officers. Information gathered from the survey is used by the leadership of the SICB to better plan for the future of the Society. The survey was made available online to SICB members in March 2016 for over one month with several reminders to members to complete the survey.

The survey was similar in design to the 2009 SICB Member Survey and consisted of 48 questions over 12 pages. The survey was designed to track answers to questions using the different categories of membership (e.g., Full Members, Postdoctoral Members, Graduate Student Members, and Student-in-Training Members). The questions were divided into different categories as outlined below. There were 614 responses.

A New SICB Open Access Journal

If you publish, in what journals do you publish? Name up to five in no particular order.

About 295 different journals were named by respondents. Journals named 10 or more times are shown in the table below with the number of respondents indicating a publication in that journal.

Journal	# of times named
Journal of Experimental Biology	167
PLOS One	58
Journal of Morphology	55
General and Comparative Endocrinology	49
Functional Ecology	40
Physiological and Biochemical Zoology	37
Evolution	35

Proceedings of the Royal Society London	35
Hormones and Behavior	34
Animal Behavior	29
Journal of Experimental Zoology	29
Biological Bulletin	28
Biology Letters	27
Marine Biology	26
Marine Ecology Progress Series	25
Zoology	25
Comparative Biochemistry and Physiology	24
Proceedings of the National Academy of Sciences	24
Journal of Comparative Physiology	21
Journal of Experimental Marine Biology and Ecology	20
American Naturalist	18
Current Biology	18
Journal of Anatomy	16
Molecular Ecology	16
Anatomical Record	14
Copeia	14
Invertebrate Biology	14
PeerJ	14
Journal of Zoology	13
Evolution & Development	12
Integrative and Comparative Biology	12
Journal of Herpetology	12
Nature	12
Science	12
Behavioral Ecology	11
Journal of Crustacean Biology	11
The Auk	11
Ecology	10
Frontiers	10
Journal of Insect Physiology	10

Do you feel that you currently have appropriate outlets for publishing your work?

- Yes, I have adequate outlets for publishing my work – 56.3% all members; 60.4% Full Members
- Yes, but it could be better – 42.6% all members; 38.7% Full Members
- No – 1.1% all members; 0.9% Full Members

Do you think there is a place for a new journal as described above?

- Yes – 46.6% all members; 43.5% Full Members
- No – 12.3% all members; 15.9% Full Members
- Maybe – 41.1% all members; 40.6% Full Members

Would you publish your work in a new SICB journal as it is described above?

- Yes – 23.0% all members; 22.9% Full Members
- Yes, but it depends on the cost – 63.8% all members; 59.8% Full Members
- No – 13.2% all members; 17.3% Full Members

SICB Annual Meeting Code of Conduct

The Society for Integrative and Comparative Biology (SICB) is committed to providing a meeting environment that fosters open dialogue and the exchange of scientific ideas, promotes equal opportunities and equal treatment of all participants, and is free of harassment and discrimination. SICB is committed to equal opportunity and treatment for all meeting participants, regardless of gender, gender identity or expression, race, color, national or ethnic origin, religion or religious belief, age, marital status, sexual orientation, disabilities, or veteran status. The policies herein apply to all attendees, speakers, exhibitors, staff, contractors, volunteers, and guests at the annual meeting and related activities.

The SICB annual meeting should serve as an effective forum to consider and debate science-relevant viewpoints in a respectful, civil, and fair manner. Meeting participants are expected to uphold standards of scientific integrity and professional ethics.

Harassment

Harassment is a form of misconduct that undermines the integrity of Society meetings and will not be tolerated. Harassment involves speech or behavior that is not welcome or is personally offensive. Harassment may be based on ethnicity, gender, religion, age, appearance, disability, veteran status, marital status, sexual orientation, or gender identity and it includes stalking, unnecessary touching, and unwelcome attention. Behavior that is acceptable to one person may not be acceptable to another, so one must use discretion to be sure that respect is communicated. Harassment intended in a joking manner still constitutes unacceptable behavior. Retaliation for reporting harassment is also a violation of this policy, as is reporting an incident in bad faith.

Reporting Harassment

SICB is committed to supporting a productive, dynamic, and safe environment for everyone at our annual meeting. If an individual feels unsafe or threatened, he or she should use a venue phone to ask for security. Anyone experiencing or witnessing harassment should contact SICB meeting staff at noharassment@sicb.org, (703) 915-7709, or the meeting registration desk, or one of the Society's Executive Officers (President, Past President, President-Elect, Secretary, Treasurer, Program Officer, Past Program Officer). All complaints will be treated seriously and responded to promptly. Confidentiality will be maintained to the extent that it does not compromise the rights of others or the extent allowed by law.

If an individual experiences harassment, it is recommended that, in addition to notifying SICB meeting staff or an Executive Officer, the individual write down the details as soon as possible, as this may help in recalling specific events in the future. The person being harassed is not expected to discuss the incident with the offending party.

SICB Procedures for Responding to Harassment Complaints at Annual Meetings

Any SICB representative receiving a complaint immediately notifies the SICB Executive Director, the Meeting Director, the Meeting Manager or a SICB Executive Officer (President, Past President, President-Elect, Secretary, Treasurer, Program Officer, Past Program Officer). As soon as possible, a meeting will be arranged between the complainant and at least two of the members of the SICB leadership team listed above. At this meeting, an assessment will first be made as to whether the issue warrants immediate action by public security. If not, then SICB leadership will determine whether it is necessary to speak with the individuals involved to make them aware of the complaint, discuss the situation, and possibly take actions to limit interactions between the involved individuals.

SICB will ensure the immediate protection of its members and other attendees at the meeting. In the event of harassment allegations, SICB will explain the options available to the complainant, and will facilitate the lodging of complaints with Title IX officers at the home institution and the subsequent processing of these complaints. The institutional Title IX officers are trained in these regulations and guidelines and will work with their counterpart at the institution(s) of the accused to provide advice and resources to the complainant, and to determine whether further actions should be taken.

December 22, 2016

Dear President-elect Trump:

As leading scientific organizations in the biological sciences, we write to encourage you to make scientific research and education a priority during your administration. Part of what makes America great is our capacity to generate new knowledge and ideas that spur innovation and drive the development of new economic opportunities for all Americans.

We respectfully request that you take swift action to:

- 1) Make scientific research a budget priority
- 2) Appoint a Presidential Science Advisor with strong scientific credentials
- 3) Direct your administration to use peer-reviewed scientific information to inform decisions

Biology is the science of life. Every day, discoveries arising from biological research contribute to improved human health and economic security. Biology is a foundational science from which we build new antibiotic and antiviral medications, translate findings from genetics laboratories into the development of more drought tolerant food crops, and develop new materials inspired by biological compounds and structures. Biological diversity surveys, for example, provide us with the information we need to identify and model diseases, such as Ebola and Zika, which can jump from wild animal populations to humans. Insights derived from our investigations into the human microbial biome are improving our understanding of various health conditions and diseases, such as food allergies, Crohn's and Inflammatory Bowel Disease, among many others. Biological research enables us to make more informed decisions about natural resource management and stewardship. When we understand how ecological systems function, we can prevent and better mitigate disruptions to important environmental processes that provide us with clean air and water.

Research is an important engine that powers our economy. Over the past 50 years, roughly half of our nation's private sector economic growth has resulted from research and development. One analysis of the return on the federal government's \$12 billion investment in the Human Genome Project found that it generated an estimated \$800 billion in economic return. Other economic analyses of investments in agricultural research have estimated a \$10 return on every \$1 the federal government invests. These are just some examples and others may be found in a recent report from the American Institute of Biological Sciences (see https://www.aibs.org/public-policy/resources/AIBS_Biological_Innovation_Report.pdf). In short, taxpayer support of scientific research pays dividends.

The federal government provides more than half of the funding for basic research in the United States. Indeed, industry counts on the federal government to support fundamental discovery so that the private sector may target its resources to new product development. For example, 80,000 patents awarded over a 10-year period were based on research initially funded by the federal government's National Science Foundation.

Although the United States has long been a global leader in science, our leadership is waning. Foreign countries are allocating growing shares of their Gross Domestic Product to research and development. New investments in federal research agencies must be a priority if we are to be a global power.

Science is a rapidly advancing field that builds on itself. One scientific discipline borrows from another. Thus, it is important that federal agencies coordinate and strategically leverage their research portfolios. One of the ways in which the federal government coordinates its scientific priorities is through the President's Science Advisor and the White House Office of Science and Technology Policy. A strong and respected science advisor can provide the honest and timely analysis you will require to make informed decisions on threats to public health, national security, and environmental incidents that can threaten the well-being of people for years into the future. The Office of Science and Technology Policy can also help to ensure that federal research programs are responding to the needs of the scientific community and the nation. We encourage you to work with the National Academies of Science and professional scientific associations such as the undersigned to identify a highly qualified individual who can provide you with the highest caliber scientific advice and counsel.

Science has not been, nor do we think it should be, a partisan issue. Rather, it is a public benefit. We request that upon taking office you provide clear and immediate guidance through the White House Office of Management and Budget and the Office of Science and Technology Policy to all federal department and agency heads directing them to seek and use peer-reviewed scientific information as the basis for decision-making. Many federal programs have established scientific advisory boards and committees. These panels should be filled and staffed by qualified scientists. To do otherwise will call into question the credibility of any government actions taken on matters of health, security, or environmental stewardship.

We stand ready to work with you, your transition team, and your administration to move forward programs and policy that advance science for the benefit of the nation. Please contact Dr. Robert Gropp at rgropp@aibs.org or 202-628-1500 x 250 if we can provide any assistance to you and your administration.

Sincerely,

American Arachnological Society
American Institute of Biological Sciences
American Malacological Society
American Ornithological Society
American Society of Agronomy
American Society of Ichthyologists and Herpetologists
American Society of Mammalogists
American Society of Naturalists
American Society of Parasitologists
American Society of Primatologists

Animal Behavior Society
Annis Water Resources Institute, Grand Valley State University
Association for Tropical Biology and Conservation
Association of Southeastern Biologists
Belle W. Baruch Institute for Marine and Coastal Science, University of South Carolina
Berkeley Natural History Museums
BioQUEST
Botanical Society of America
Coastal and Estuarine Research Federation
Crop Science Society of America
Delaware Museum of Natural History
Entomological Society of America
Great Lakes Research Center of Michigan Technological University
Harbor Branch Oceanographic Institution at Florida Atlantic University
Harvard Museum of Comparative Zoology
Hatfield Marine Science Center
Helminthological Society of Washington
Herpetologists' League
Human Anatomy and Physiology Society
iDigBio
International Association for Bear Research and Management
Kewalo Marine Laboratory, University of Hawaii at Manoa
Moss Landing Marine Laboratories
National Association of Biology Teachers
National Association of Marine Laboratories
National Tropical Botanical Garden
NC State University/Center for Marine Sciences & Technology
Oregon State University Herbarium
Organization of Biological Field Stations
Paleontological Society
Phycological Society of America
Sam Noble Oklahoma Museum of Natural History
Society for Conservation Biology North America
Society for Integrative and Comparative Biology
Society for Mathematical Biology
Society for the Study of Amphibians and Reptiles
Society for the Study of Evolution
Society of Environmental Toxicology and Chemistry
Society of Systematic Biologists
Soil Science Society of America
Southwestern Association of Naturalists
State University of New York College of Environmental Science and Forestry
The Field Museum of Natural History
University of California Davis Bodega Marine Laboratory
University of North Carolina at Chapel Hill Institute of Marine Sciences
University of Wisconsin - Madison, Department of Botany

US Regional Association of the International Association of Landscape Ecology
Whitney Laboratory for Marine Bioscience, University of Florida
Wisconsin State Herbarium

Program Committee Report 2016

Rick Blob, Chair Program Committee

Program Committee

Rick Blob (Program Officer), Sherry Tamone (Past Program Officer), Allison Welch (DAB), Jake Socha (DCB), Ignacio Moore (DCE), Jason Podrabsky (DCPB), Yui Suzuki (DEDB), Sarah DuRant (DEDE), Chris Tracy (DEE), Bruno Pernet (DIZ), Chuck Derby (DNB), Todd Oakley (DPCB), Manny Azizi (DVM), Elizabeth Davis-Berg (AMS), and John Zardus (TCS). In addition, this year we were assisted by Carol Fassbinder-Orth (DEDE) and Wes Dowd (DCPB).

The Program Committee met in New Orleans, LA, on September 23-25, 2016, to view the venue and to organize abstracts into cohesive sessions and select symposia for the 2018 SICB meeting in San Francisco, CA. The 1683 abstracts were organized into:

- 1) Plenary Session
- 2) 4 special lectures
 - a. Bartholomew Lecture: Michael Sheriff
 - b. Bern Lecture: David Crews
 - c. AMS Lecture: Heidi Sosik
 - d. Moore Lecture: Rosalind Reid
- 3) 146 sessions
- 4) 3 days of posters (790 posters) in addition to the Undergraduate Poster Session at the start of the meeting
- 5) 11 Symposia

Abstract deadline was September 1. There were 1957 total abstract submissions to the online system, which reduced to 1917 presentations after removal of duplications and errors. Notification of abstract acceptance went out in mid-October, and since then 30 talks or posters were cancelled to produce a final program (as of December 15) of 1887 presentations (1097 oral and 790 posters). This is larger than last year's record number of submissions and final presentations for Portland, making this the largest SICB meeting to date by over 200 presentations.

As Program Chair:

- 1) I worked with the Chairs of the Public Affairs Committee, the Broadening Participation Committee, the Student and Postdoctoral Affairs Committee, and the Educational Council to formalize workshops during the meeting. Workshops will be offered each of the 4 days of the meeting. The Workshops that we will have in New Orleans are:
 - a. Broadening Participation
 - b. Student and Postdoctoral Affairs Committee
 - c. Public Affairs
 - d. NSF: Update on the IOS solicitation and Q&A
 - e. Sketchnotes
 - f. Genome to Phenome – RNA Seq Resources and Training
 - g. *Journal of Experimental Zoology* Publishing Pointers for Students
 - h. TAL-PULSE
 - i. Establishing Standards for Video Data Management
 - j. Complementary to Symposium 4 (Evolutionary Impacts of Seasonality)
 - k. Complementary to Symposium 5 (Microbiome)
- 2) I worked with the eleven 2017 symposium organizers to ensure that they were in compliance with ICB requirements. I worked with symposium organizers to make sure that their symposia were publicized correctly on the web and in the program.
- 3) I worked with the Past Program Officer (Sherry Tamone) to ensure continuity from previous procedures to manage the responsibilities of Program Officer.

- 4) I worked with Burk, Inc., and SICB Webmaster Ruedi Birenheide to develop information for the Meetings Webpage and the published program.
 - a. I worked with organizers of the Bartholomew Award, Bern Lecture, and Moore Lecture to publicize this information on the SICB WebPage
- 5) I worked with presenters, Burk, Inc., and Ruedi to finalize the program in the face of multiple changes that occurred between October and December.
- 6) I worked with the Program Committee and the *ICB* Editorial Board to generate interest from members in proposing symposia for the upcoming 2018 meeting in San Francisco. Reaching out to the Editorial Board was a new step this year, intended to reflect that the symposia generate the primary content for the journal. Despite this additional effort, only 11 symposium applications were received, which represents an approximate minimum for a full slate at the annual meeting. Although the Program Committee reviewed all 11 proposals favorably, we have begun discussions on ways to help ensure that a sufficient number of symposia are proposed to allow a full and high-quality program in future years.
- 7) The Program Committee noted the continued growth of meeting attendance over the last several years, and will review programming procedures to determine if adjustments are needed to accommodate future additional growth in submissions.

Appendix 3.Secy.b, SICB Election Schedule for Spring 2017

SICB-Wide Elections in 2017:

Treasurer-Elect Chair of the Educational Council Member-at-Large
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Divisional Elections in 2017:

Division of Animal Behavior	Secretary
Division of Comparative Biomechanics	Secretary Program Officer
Division of Comparative Endocrinology	Chair-Elect Secretary-Elect
Division of Comparative Biochemistry & Physiology	Secretary
Division of Evolutionary Developmental Biology	Program Officer-Elect Secretary-Elect
Division of Ecoimmunology & Disease Ecology	Program Officer-Elect Secretary-Elect
Division of Ecology & Evolution	Secretary-Elect
Division of Invertebrate Zoology	Chair-Elect
Division of Neurobiology, Neuroethology, and Sensory Biology	Chair
Division of Phylogenetics & Comparative Biology	Chair-Elect Secretary-Elect
Division of Vertebrate Morphology	Program Officer-Elect

Please see <http://sicb.org/resources/electionschedule.php3> for the entire SICB election schedule.

Treasurer’s Report December 2016

The Society continues to be financially healthy. The total assets of the company increased in FY 2016 although there was a loss of \$51,000.

In the previous report we examined the revenue and expenses of the annual meeting. In this report we will take a closer look at the administrative revenues and expenses for the society. In FY 2016 we projected an income from membership dues of \$150,000 but the actual audited revenue was \$136,248. Interest and other income for the administrative section was a little over \$4,000 instead of the \$16,000 projected. Therefore the total revenue in this sector was \$140,440, or \$25,560 less than anticipated in the budget. Against this, administrative expenses include \$209,845 for the management company, BAI, and our executive director Brett Burk. (This amount does not include the management fee for the annual meeting, which in FY 2016 was \$63,468.) Additional expenses to administration include \$17,558 for an independent annual accounting review, \$13,073 in fees for managing the invested portfolio, \$32,233 in merchant credit card fees, and \$36,189 for the webmaster for the society website. Insurance, photocopies, postage, telephone, a strategic planning meeting, and other miscellaneous support were \$17,932. The total for all administrative expenses in FY 2016 was \$328,146. The difference between revenues (\$140,440) and expenses (\$328,146) was \$187,706 in the red.

As you know the financial welfare of the society is met by three different sources of revenue: 1) as seen above, the dues for administrative expenses, which fall far short, 2) the annual meeting, which more or less breaks even in most years; and 3) the journal Integrative and Comparative Biology. In FY 2016 the annual meeting in Portland brought in a net income of \$26,774, as reported previously.

The third source of revenue, the journal, provided an income of \$338,151 in FY 2016. From this revenue, expenses for the subscriptions to the members are paid, for a total of \$111,479 in FY 2016, a higher number because of continued restitution for underpaid subscription fees in previous years. The editor and assistant editor received \$44,392 in FY 2016 and had travel expenses of \$3,876. Thus the total revenue realized from FY 2016 from the journal was \$178,403, which was \$52,000 less than anticipated in the budget.

Taking these three major sources of revenue and expense, the picture for the operating expenses of the society in FY 2016 is reflected in Table 1.

Source	Revenue	Expense	Total
Administration	\$136,248	\$328,146	\$187,706
Annual Meeting	\$393,972	\$367,198	\$ 26,774
Journal	\$338,151	\$159,748	\$178,403
TOTAL operating funds	\$868,371	\$855,092	\$ 13,279

This chart does not include the investments, which were \$1,344,054 at the end of FY 2016. Of this, \$1,125,778 is committed to the named endowment funds. Even though the operating funds were able to balance revenues against expenses, and numerous donations were made to the named funds, stock market losses and investment management fees combined to result in the net loss of \$51,000 over the past fiscal year for the society,

The proposed budget for operating expenses for FY 2018 includes an increase in meeting registration fees of \$10 across the board for the meeting in San Francisco in January, 2018. This is the first such increase in 7 years. The additional funds will be used to support student research and symposia.

Table 2: Proposed Budget for FY 2018.

	Revenue	Expenses
Administrative	\$144,000	\$322,312
Annual meeting	\$404,275	\$386,813
Endowment fund	\$ 41,350	\$ 53,580
Committees	\$0	\$ 26,270
Journal	\$335,000	\$122,000
Memberships	\$0	\$ 4,400
Divisions	\$ 14,500	\$ 51,500
Contingency funds		\$ 10,000
Reconciliation from funds	\$ 60,950	
TOTALS	\$1,000,075	\$976,875

Respectfully submitted,

Karen Martin, Treasurer

Appendix 3 - President-Elect, SICB Member Survey 2016

2016 SICB Member Survey – Executive Summary

The 2016 SICB Member Survey was developed over the course of one year with broad input from SICB Committees, the SICB Executive Committee, BAI Management Staff and other SICB officers. Information gathered from the survey is used by the leadership of the SICB to better plan for the future of the Society. The survey was made available online to SICB members in March 2016 for over one month with several reminders to members to complete the survey.

The survey was similar in design to the 2009 SICB Member Survey and consisted of 48 questions over 12 pages. The survey was designed to track answers to questions using the different categories of membership (e.g., Full Members, Postdoctoral Members, Graduate Student Members, and Student-in-Training Members). The questions were divided into different categories as outlined below. There were 614 responses.

Some demographics of the respondents

Summary. These data are similar to those provided by the 2009 SICB Member Survey. There was a robust response from the Full Members of the Society and significant responses from the other member categories. More than two-thirds (68.1%) of the Full Members who responded have belonged to the Society for more than 10 years; this is an increase from 33.9% in the 2009 survey. Academic institutions are overwhelmingly on the semester system and this was true of the membership in 2009. Slightly less than half of the Full Member respondents come from large academic institutions with greater than 20,000 students. The degree programs (undergraduate and graduate) of respondents reflect degree offerings for undergraduates, masters, and doctoral students. But there are significant numbers from purely undergraduate institutions (20.9%) and institutions offering undergraduate and masters degrees (17.6%). Full Member respondents indicated a significant balance in expectations between teaching and research (52.1%). While 20.4% have expectations primarily in research, only 16.4% have primary expectations in teaching.

Responses from the different member categories are as follows.

- Full Members (includes full members, life members, emeritus members) = 370 (60.3%)
- Postdoctoral Members = 59 (9.6%)
- Graduate Student Members = 147 (23.9%)
- Student-in-Training Members = 38 (6.2%)

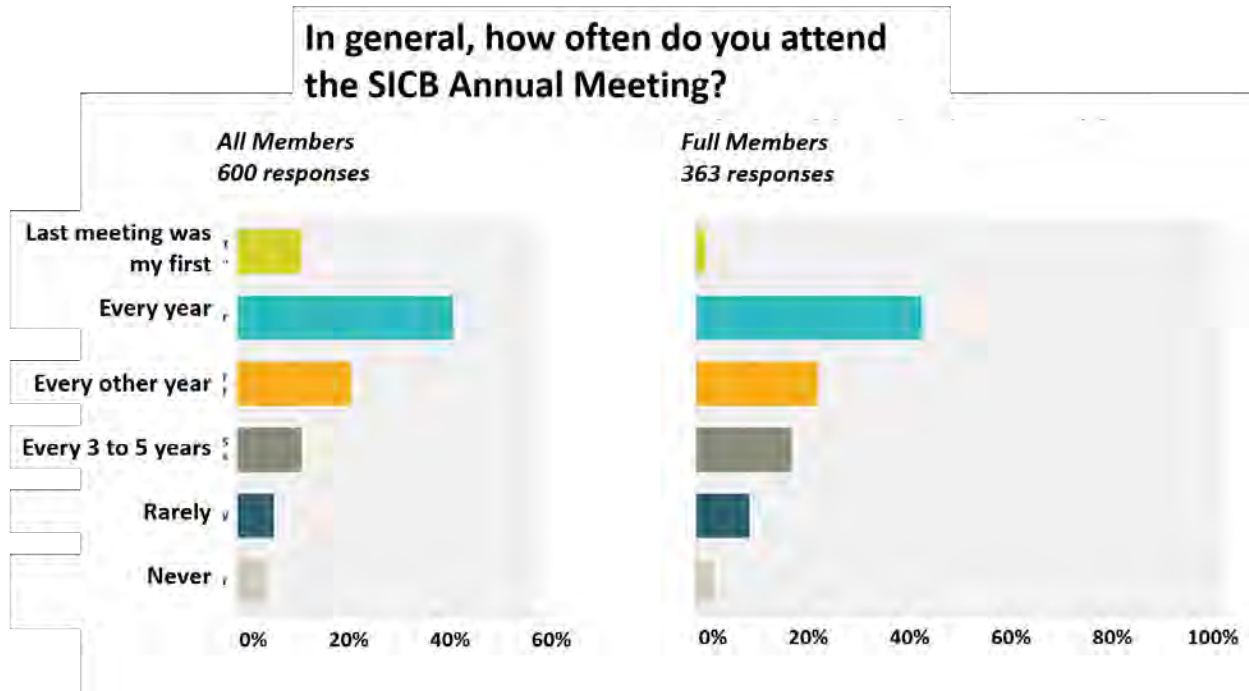
Gender of respondents

- Female – 45.6%
- Male – 53.9%
- Other – 0.5%

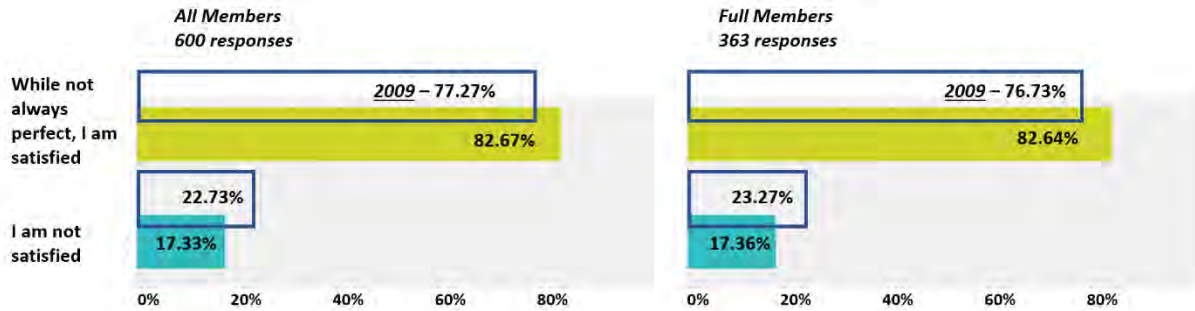
The summary of the results of the survey are available on the SICB Website under the Resources tab >> Member Surveys >> Results of the 2016 Member Survey (or <http://sicb.org/resources/SICB%20Member%20Survey%202016%20Summary.pdf>).

HIGHLIGHTS OF THE SURVEY

Annual Meetings. Most members of the Society attend the annual meeting regularly (41.2% of all members attend every year and 21.7% of all members attend every other year). First-time attendees were 12.3% of the respondents. The timing of the annual meeting meets a number of strategic needs of the Society, including, but not limited to the timing of the various academic calendars, affordable venues, and venues convenient to get to. The affordability is a significant factor since the SICB Annual Meeting attracts many students and postdocs; more than 50% of the attendees are students and postdocs (58.1% at the 2016 Portland meeting). The data shown below reflect responses from all members (Full, Postdoctoral, Graduate Student, Student-in-Training) and Full Members. Overwhelmingly, SICB members are satisfied with the current timing of the annual meeting (82.6% in the current survey and 76.0% in the 2009 survey). The monthly breakdown of preferences for the timing of the meeting is consistent with the overall desirability of the currently established meeting time in early January. Meeting location was somewhat to very important to more than three quarters of all members.

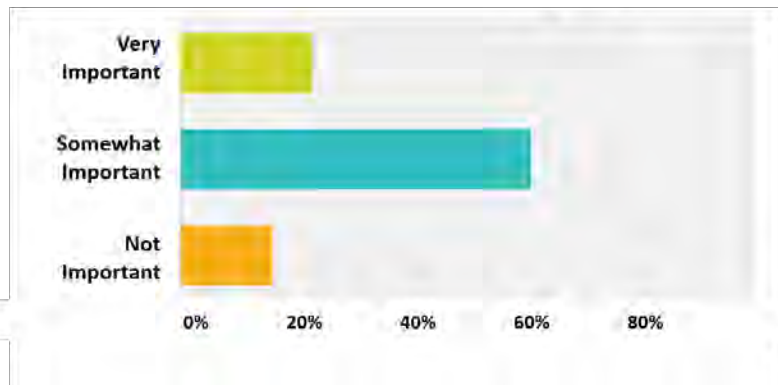


**Position on present timing of the annual meeting.
2009 and 2016 results**



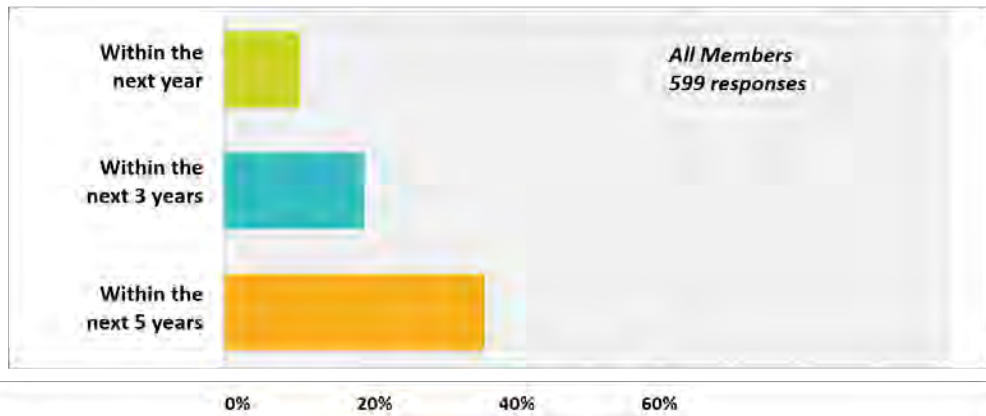
**Meeting location.
How important is the location of the meeting in deciding whether or not to attend?**

All Members
599 responses



Development Activities of SICB. The leadership of SICB has been very active in recent years in making sure that the various funds of the Society are well-managed and that the funds are appropriately serving their stated goals. The SICB Development Committee has been particularly helpful in thinking strategically about ways to enhance the Society’s endowment to insure the financial stability of the organization. These funds help to keep the cost of the annual meetings and the cost of membership low. The funds also provide important funding sources to support symposia and student research. The results of the survey revealed a growing participation of SICB members in giving to the various funds that support the programs of the Society, but that more needs to be done to educate the membership on the funds, especially the funds that support students and symposia, and to encourage members to give back to the Society through these funds.

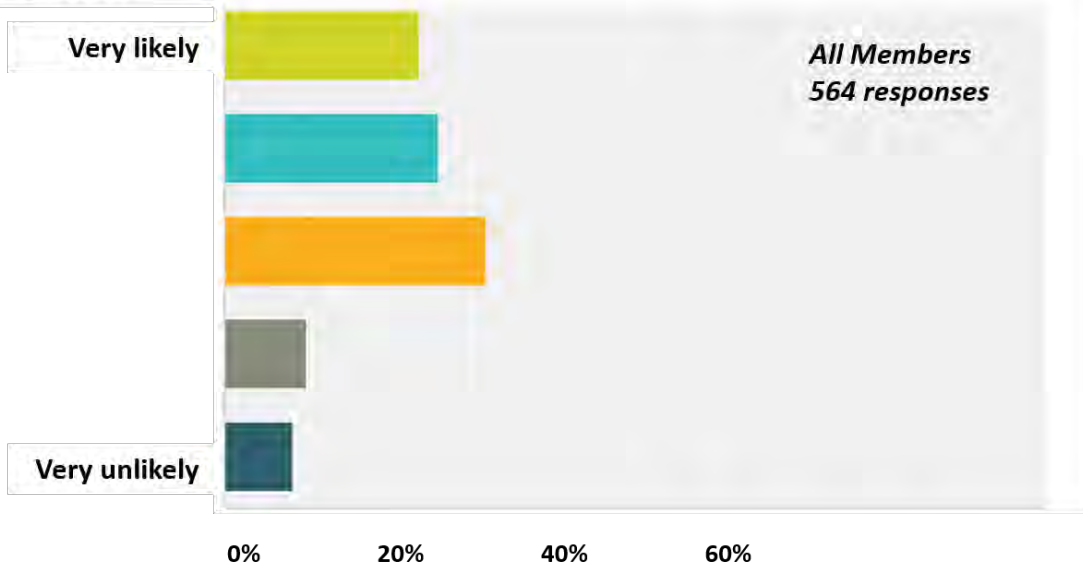
**Intend to make a financial contribution
to one or more of SICB funds**



Research and Educational Resources (RER). The SICB Educational Council received feedback on its efforts to revive and enhance the resources offered to members in the areas of teaching and research. The former “digital library” of SICB has been replaced by RER.

Research and Educational Resources (RER)

The Educational Council has begun upgrading a part of the SICB website devoted to teaching and research materials. How likely would you consult/use this material?

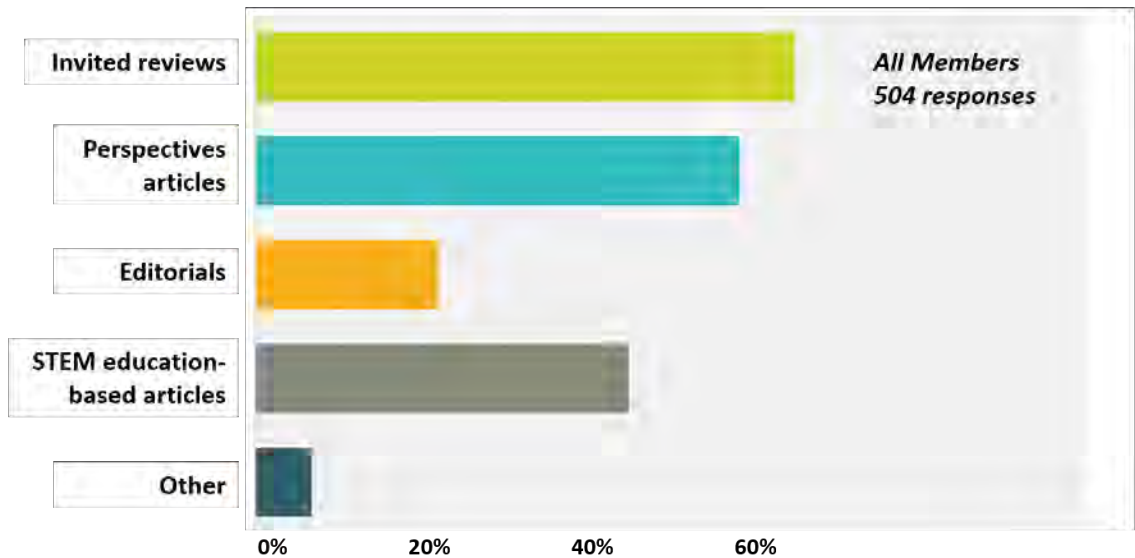


SICB Journal – Integrative and Comparative Biology. The journal of the Society is Integrative and Comparative Biology. The new editor-in-chief Marty Martin and the Editorial Board solicited feedback on the strengths and weakness of the journal and on what members wished to see as the new leadership considers a number of new initiatives.

Here is a breakdown on what members would like the editorial board to consider.

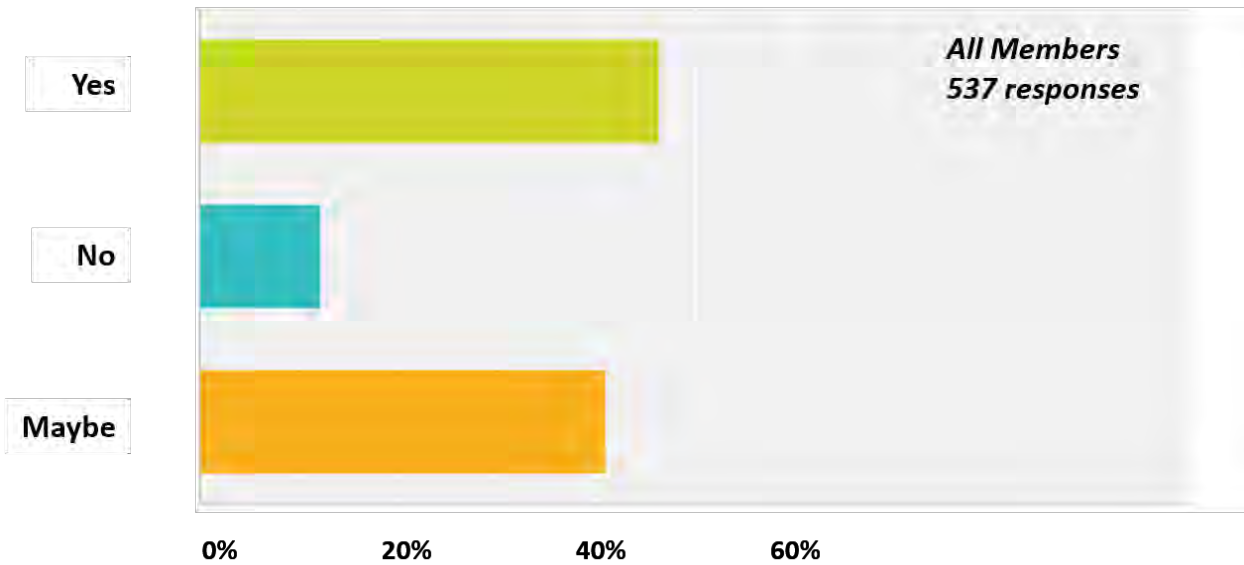
- invited reviews – 65.1% all members; 65.6% Full Members
- perspectives articles – 58.3% all members; 62.7% Full Members
- editorials – 22.2% all members; 26.1% Full Members
- STEM education-based articles – 45.0% all members; 46.2% Full Members
- Other – 6.9% all members; 8.3% Full Members

SICB Journal – Integrative & Comparative Biology
What new things would you like to see in the journal?



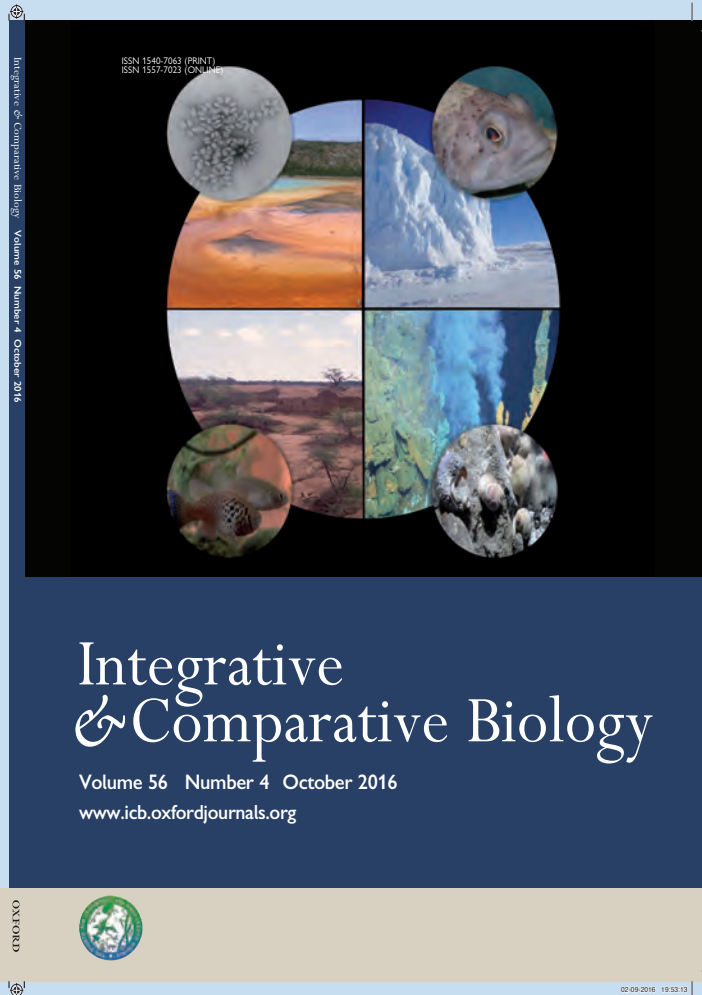
A New SICB Open Access Journal. Feedback was also solicited on the possibility of SICB establishing a new open access journal in integrative and comparative biology that would allow authors to submit traditional research articles. Based on the responses, the SICB Executive Committee is taking first steps toward establishing such a new journal by endeavoring to identify an editor-in-chief.

Do you think there is a place for a new open-access journal sponsored by SICB?



The Journal Of Integrative and Comparative Biology

2016 report



Symposia for 2016

- 1. Neuroecology: Neural Mechanisms of Sensory and Motor Processes that Mediate Ecologically Relevant Behaviors**
Organizer: Jeff Riffell & Ashlee Rowe
- 2. Life on the Edge: the Biology of Organisms Inhabiting Extreme Environments**
Organizer: Annie Lindgren
- 3. Parasites and Pests in Motion: Biology, Biodiversity, and Climate Change**
Organizers: Christopher B. Boyko & Jason Williams
- 4. Extraocular, Nonvisual, and Simple Photoreceptors**
Organizers: Thomas Cronin & Sonke Johnsen
- 5. The Morphological Diversity of Intromittent Organs**
Organizers: Brandon Moore & Diane Kelly
- 6. Evolutionary Endocrinology: Hormones as Mediators of Evolutionary Phenomena**
Organizers: Robert Cox, Joel McGlothlin & Frances Bonier
- 7. Are Migratory Animals Superspreaders of Infection?**
Organizers: Alexa Fritzsche McKay & Bethany Hoye
- 8. Integrative and Comparative Biology of Venom**
Organizers: Marymegan Daly & Lisle Gibbs
- 9. Beyond the Mean: Biological Impacts of Changing Patterns of Temperature Variation**
Organizers: Michael Dillon, Art Woods & Michael Sears
- 10. A Bigger Picture: Organismal Function at the Nexus of Development, Ecology, and Evolution**
Organizers: Sharlene E. Santana & Paul Gignac
- 11. Tapping the Power of Crustacean Transcriptomes to Address Grand Challenges in Comparative Biology**
Organizers: Donald Mykles, Karen Burnett, David Durica & Jonathon Stillman
- 12. New Frontiers in the Integrative Study of Animal Behavior: Nothing in Neuroscience Makes Sense Except in the Light of Behavior**
Organizers: Suzy Renn, Hans Hofmann & Dustin Rubenstein
Invited group- Functional (Secondary) Adaptation to an Aquatic Life in Vertebrates
Organizer: Alexandra Houssaye

Number of Papers in SICB Symposia 2016

Symposia	Papers Presented	Papers Published (*all including intro)
S1	11	8
S2	12	6
S3	11	7
S4	12	9
S5	11	11
S6	11	12
S7	11	9
S8	11	9
S9	11	10
S10	11	11
S11	11	12
S12	9	7
External (Houssaye)	invited not presented not included in totals	9
TOTAL	123	111

Number of papers published

2015 = 121 (no invited group included)

5 rejected

(2 resubmitted not accepted)

Number of papers published

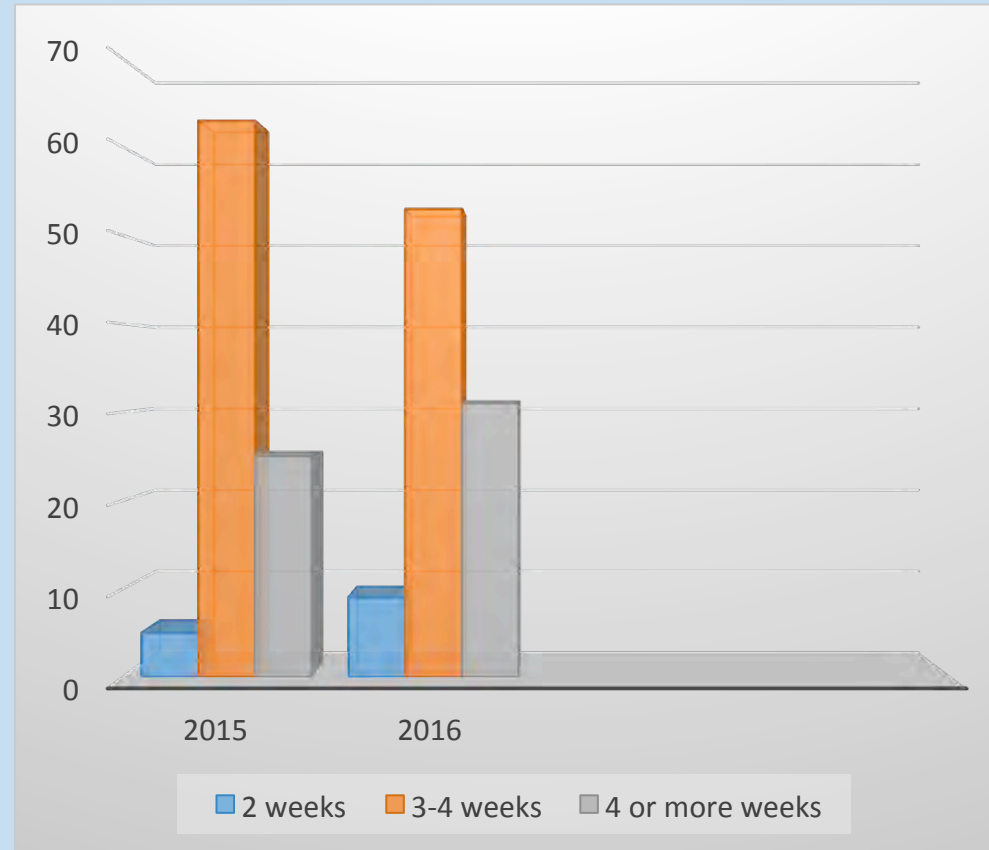
2016 = 120 (including invited group)

3 rejected

(2 resubmitted and accepted)

Average length of time a paper was in review 2015/2016

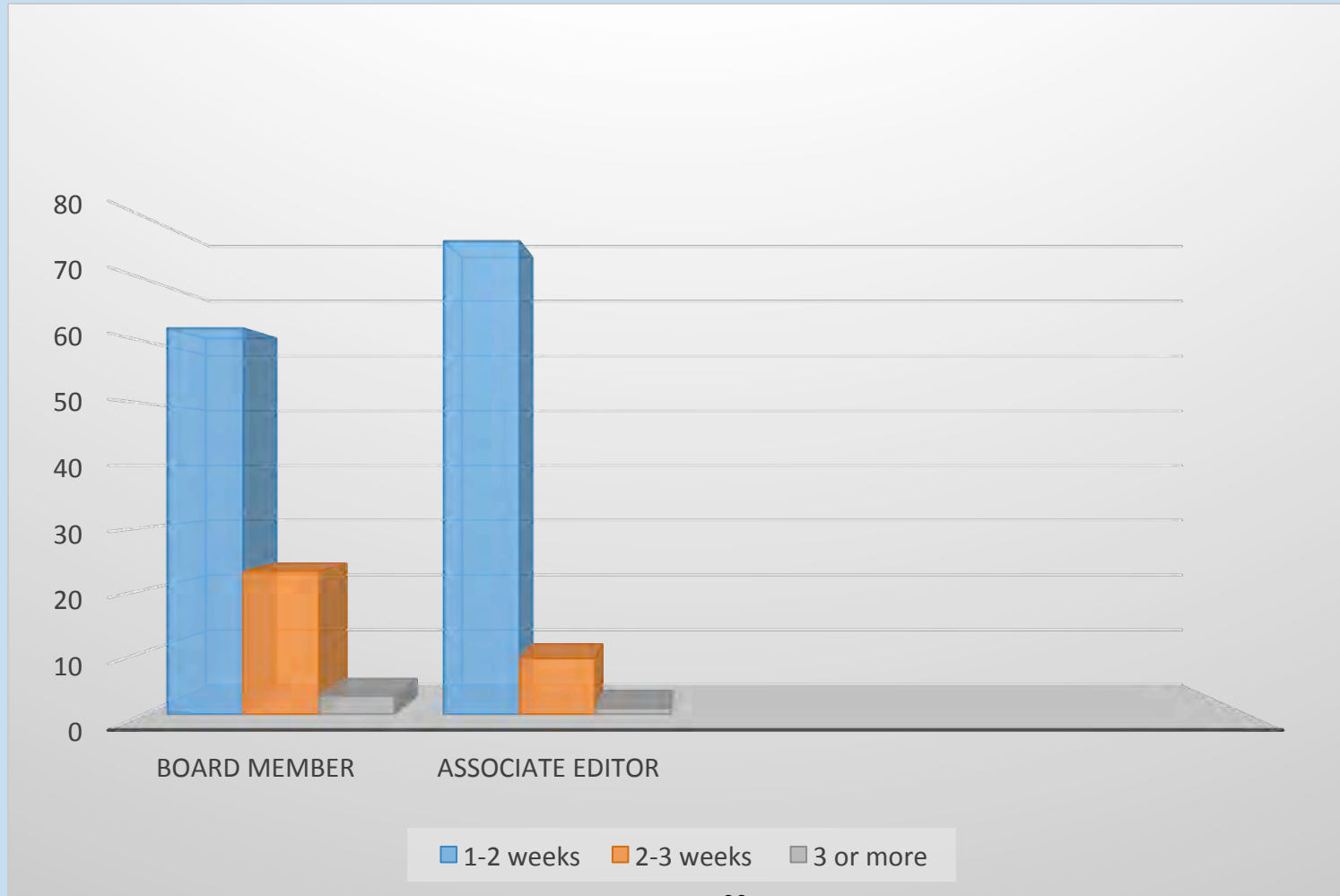
*including time to identify referees



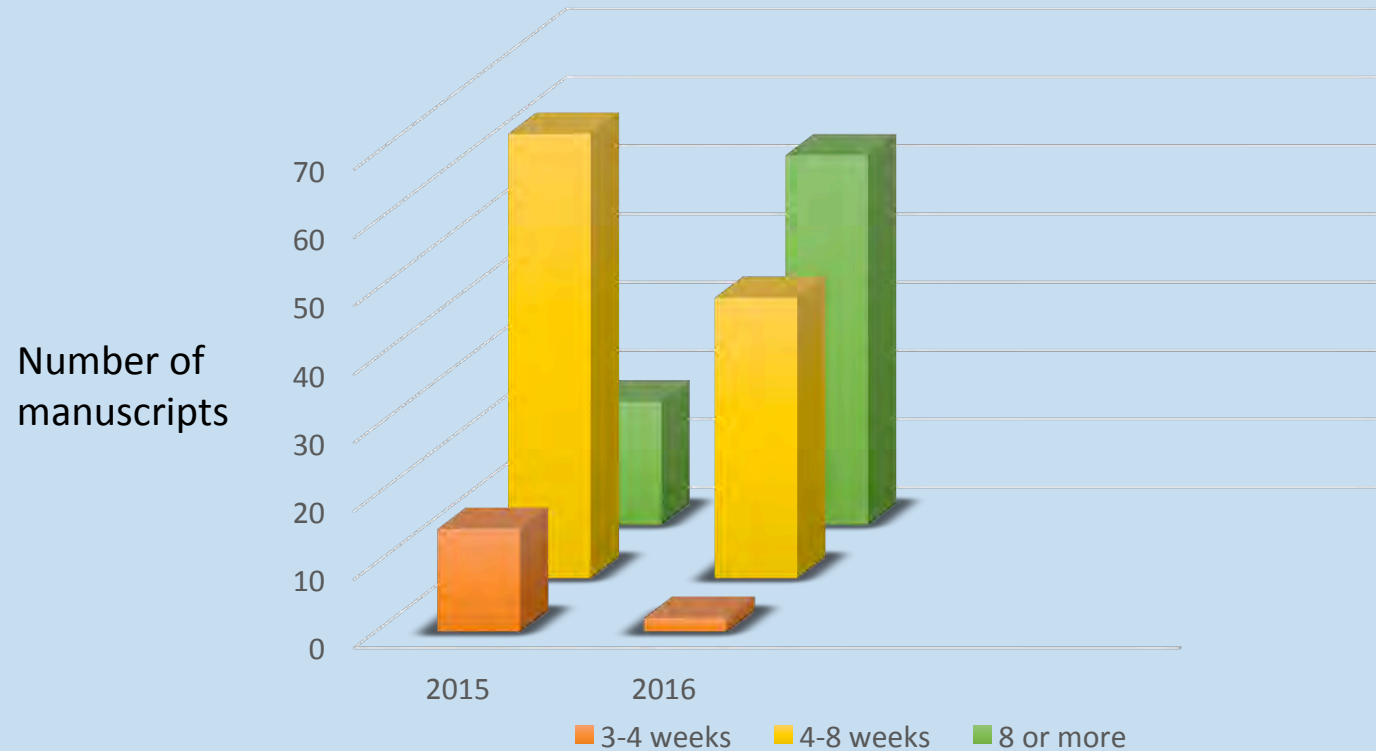
INITIAL DECISION :

Average time the paper spent with :

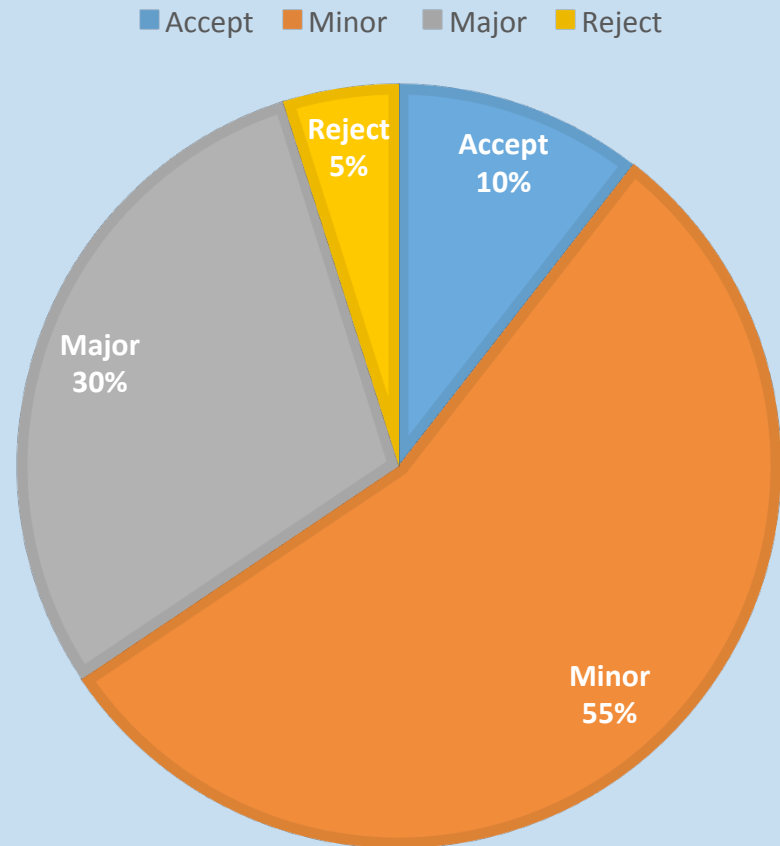
Number of manuscripts



Average time between initial submission and when manuscripts went to press



Reviewer's initial decisions



FINAL STATS FOR 2016 (OF 73 TOTAL SUBMISSIONS)

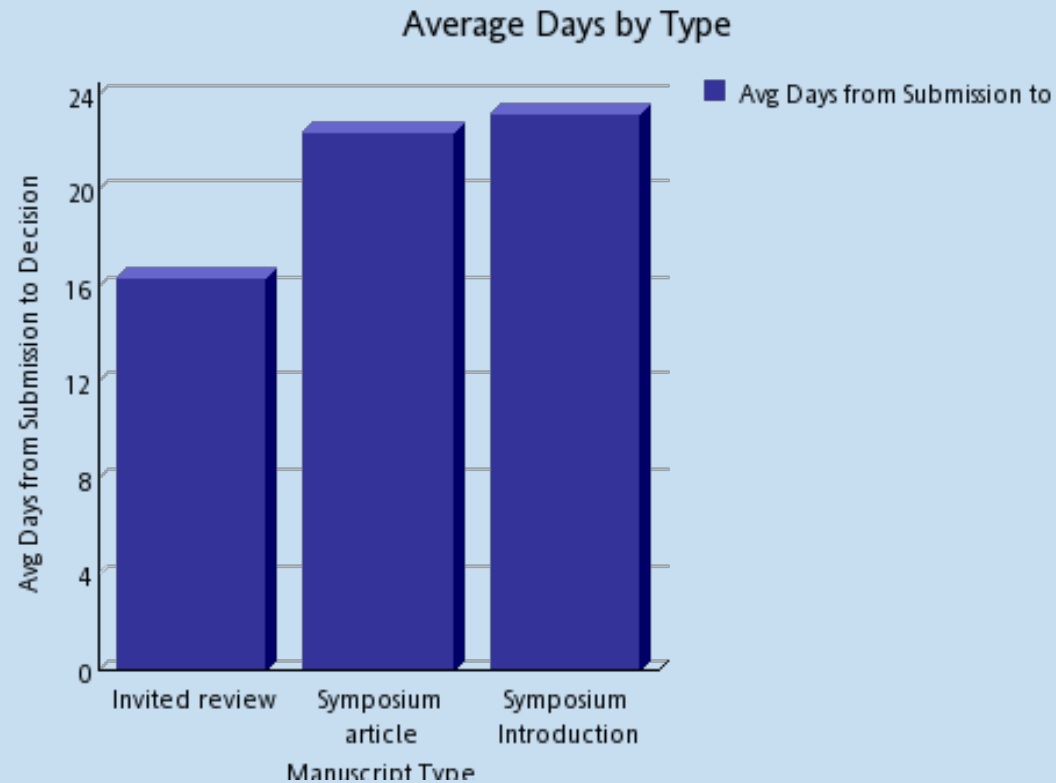
Avg. days from submission to final decision (days) – 65.6

Accept Ratio (for 2016 submissions):
78/79 manuscripts (98.7%)

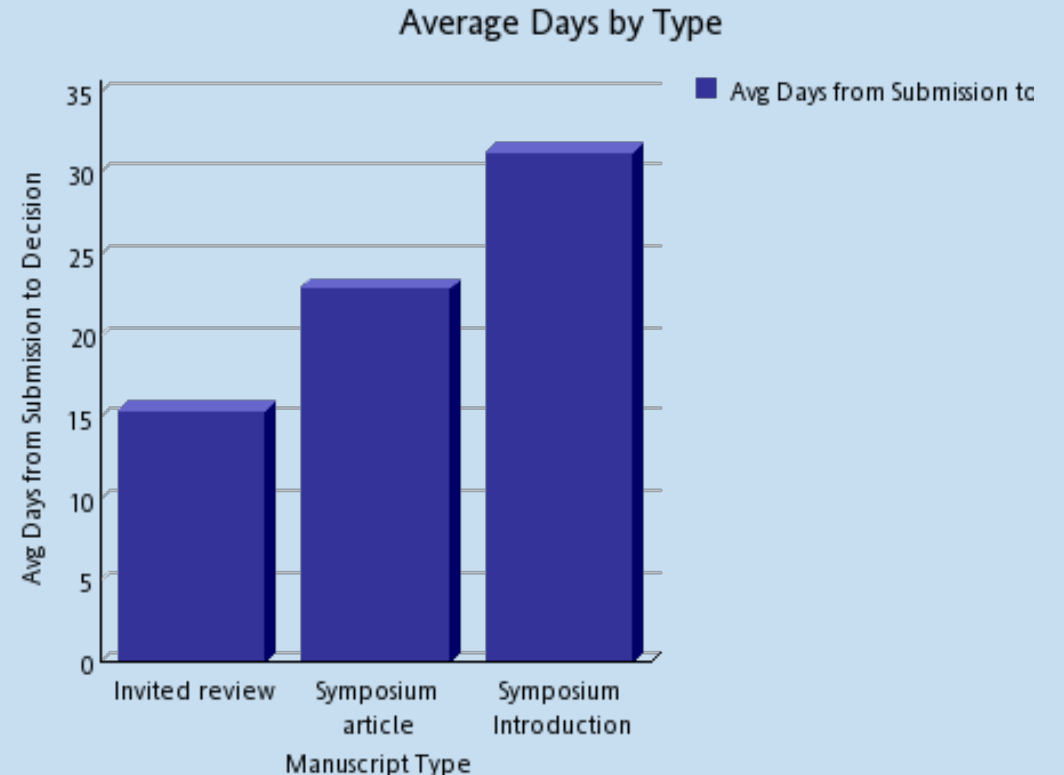
Summary stats for 2016

Average days from submission to press

2015



2016



Broken down by individuals on editorial staff

(note: only a fraction of 2016 papers in S1)

Editor label	<30 Days	31-60 Days	61-90 Days	91-120 Days	>120 Days	Avg. Turnaround Time (Days)
0.485422912	1	0	0	0	0	26
0.157015646	3	0	0	0	0	15.33
0.513701885	3	0	0	0	0	23
0.350292881	2	2	0	0	0	27.5
0.579467652	1	0	0	0	0	25
0.267960953	0	1	0	0	0	45
0.920402617	2	1	0	0	0	24
0.869655484	2	0	0	0	0	22
0.412233744	0	1	0	0	0	33
0.448681546	1	1	0	0	0	24
0.022174186	1	0	0	0	0	22
0.672249041	1	0	0	0	0	23
0.790184389	5	2	1	0	0	31.55
0.311747109	3	1	0	0	0	25.75
0.26046631	0	1	0	1	0	66
0.624814566	10	4	0	0	0	24.52
0.501598549	1	0	0	0	0	23
0.810752597	27	13	0	0	0	25.32
Average	63	27	1	1	0	26.72

2016 symposia

SYMPOSIUM	PAPERS PLEGGED/ PAPERS SUBMITTED *With intros	SUBMITTED ON TIME (January 31st)	SUBMITTED LATE (between 2-1 and 5-31)	REVISED ON TIME	REVISED LATE
S-1	12/ 8	0	8	6	2
S-2	11/6	2	4	5	1
S-3	11/7	2	5	6	1
S-4	12/10	3	7	7	2
S-5	12/11	3	7	10	1
S-6	11/12	2	10	6	6
S-7	11/9	3	6	3	6
S-8	11/9	0	9	7	2
S-9	11/10	6	4	8	1
S-10	11/11	6	5	8	3
S-11	11/15	5	10	12	0
S-12	9/7	0	7	6	1

Incoming 2017 workload

Projected number of submissions: 125 plus invited papers

4 Exemptions requested

1 Exemption granted

March 31 deadline for submissions this year!

Workload comes a bit later!

Papers allocated among Board Members and AE's already

2017 symposia

S1 Indirect Effects of Global Change: from Physiological and Behavioral Mechanisms to Ecological Consequences (SICB wide)

Organizers: Alex Gunderson, Jonathon Stillman & Brian Tsukimura; Sponsors: DAB, DCPB, DEE, DIZ, DNB, & TCS

S2 The Ecology of Exercise: Mechanisms Underlying Individual Variation in Movement Behavior, Activity or Performance

Organizers: Tony Williams, Shaun Killen, & Ryan Calsbeek; Sponsors: DAB, DCB, DCPB, DEE, & DVM

S3 Molecular and Neuroendocrine Approaches to the Study of Evolutionary Tradeoffs: Food, Sex, Stress, and Longevity

Organizer: Jill Schneider; Sponsors: DAB, DCE, & DNB

S4 Evolutionary Impacts of Seasonality

Organizers: Caroline Williams & Gregory Ragland; Sponsors: DCE, DCPB, & DIZ

S5 With a Little Help from My Friends: Microbial Partners in Integrative and Comparative Biology (SICB wide)

Organizers: Kevin Kohl & Denise Dearing; Sponsors: DCE, DCPB, DEDE, DEE, DIZ, DNB, & AMS

S6 Integrating Cognitive, Motivational and Sensory Biases Underlying Acoustic and Multimodal Mate Choice

Organizers: Kathleen Lynch & Scott MacDougall-Shackleton; Sponsors: DAB, DCE & DNB

S7 The Evolution of Arthropod Body Plans – Integrating Phylogeny, Fossils and Development

Organizers: Ariel Chipman & Doug Erwin; Sponsors: DEDB, DIZ, DPCB, AMS & TCS

S8 Integrative Life-History of Whole-Organism Performance (SICB wide)

Organizers: Simon Lailvaux & Jerry Husak; Sponsors: DAB, DCB, DCE, DEDE, DEE, DNB & DVM

S9 The Development and Mechanisms Underlying Inter-individual Variation in Pro-social Behavior

Organizers: Ben Dantzer & Dustin Rubenstein; Sponsors: DAB, DCE, DEE & DNB

S10 Physical and Genetic Mechanisms for Evolutionary Novelty

Organizers: Thomas Stewart, Stuart Newman & Günther Wagner; Sponsors: DCB, DEDB & DPCB

S11 Low Spatial Resolution Vision - Function and Evolution

Organizer: Anders Garm; Sponsors: DIZ, DNB, AMS & TCS

For discussion

- 1) Data archiving policy

- 2) Approach to recruiting non-symposium papers
 - 1) Postdoc paper (award)
 - 2) Picking topics for virtual issue
 - 1) Brainerd
 - 2) Padilla and Greenlee

- 3) Manuscript handling process
 - 1) Workload
 - 2) Questions, suggestions?

A5a-ICB Editor: Postdoc awardee paper proposal 2016

Proposed plan for ICB postdoc paper awards

Purposes:

- 1) to provide a venue for SICB's rising stars to publish short, forward-looking papers;
- 2) to recognize and bolster the careers of SICB trainees;
- 3) to diversify the types of papers appearing in *ICB*;
- 4) to ensure that ICB meets its obligations (papers published per year) to OUP and other stakeholders, in case we see additional declines in symposium numbers;
- 5) to raise the visibility and impact of *ICB*.

Manuscript style and content:

Manuscripts must not exceed the 12-page limit of typical *ICB* articles. However, we expect most articles to be short (maximum 5 printed pages, but typically 3-4 pages), highlighting provocative opinions or important concepts. We hope to convince OUP to allot a free color figure for each submitted manuscript; stay tuned.

Submitted manuscripts should take one of three forms:

- 1) *Perspective*: these short papers will draw attention to new ideas, new opportunities, or new directions in a field. Efforts to integrate knowledge within or across biological levels or Divisions of SICB are especially appealing.
- 2) *Synthesis*: these longer papers give overviews of fields including sections intended to reveal generalizations, which could be the basis of future empirical or theoretical research. Meta-analyses are particularly desirable here, but traditional approaches are viable too.
- 3) *Methods*: these papers are envisioned as variants of papers published in the journal, *Methods in Ecology and Evolution*. They will highlight the nuts-and-bolts of a new technique, experimental approach, statistical analysis, or other method amenable to work within SICB.

Important notes:

A prime directive for this initiative is to engage the expertise of individual Divisions (leaders and members) to identify and recruit postdoc authors. This approach should ensure that the most appropriate authors are chosen, and that this facet of *ICB* becomes what the experts, people in the Divisions, make it. However, we recognize the possibility that Divisions might invest differently in this effort, so it is critical that Division leadership work with *ICB* Editors to ensure that the process of selecting authors is fair to the Division, fair to the society, and especially amenable to the careers of the postdoc authors. Division leadership might choose all candidates with no solicitation of applications or the like from the Division, or they might do so based on a systematic application process. We do not seek to burden the Divisions with yet another task, but we emphasize the importance of casting a broad net when recruiting these manuscripts.

Below, we provide some suggestions about how the process might happen, but the final approach is left in the hands of those best-informed: the Divisions. Importantly though, should one or more Divisions not identify candidates in a given year, the process will continue for other Divisions,

meaning that Divisions will be represented in the journal only if they are able to produce interested and viable postdoc authors. Likewise, should a Division identify more than one candidate, it might be possible to consider several papers annually from a Division, especially if other Divisions do not identify candidates. In such cases, Divisions should rank selected authors/proposals.

Suggested procedure for author selection

1. Division leaders work with their membership at the Annual Business meeting and through continued email correspondence to develop mechanisms for identifying and recruiting authors. We suggest that Divisions consider annual talk, poster, and other trainee competitions within Divisions as ways to identify potential authors. We encourage Divisions, though, to recognize that some awardees might find it difficult to adjust their presentations to match the format of manuscripts listed above, and select manuscripts appropriately. As above, we seek opinion, review, and/or synthetic papers, not papers typical of an empirical study-based journal. We also suggest that Divisions allow selected authors to work with co-authors, should the selected author so choose.
2. Divisions are welcome to recommend several authors, but Divisions and authors must understand that publishing constraints might prevent us from accepting all manuscript proposals. To avoid such situations, we encourage Division leaders to work closely with journal Editors before inviting authors and/or rank submissions if more than one is made in a Division.
3. Although we conceived this initiative primarily to give junior scientists a platform for highlighting their work, it is at the discretion of Divisions as to determine whether postdocs are the sole recruits for this initiative. This initiative was motivated by a similar effort of the British Ecological Society; you can learn more about that effort here:
<https://journalofanimalecology.wordpress.com/2016/05/25/journal-of-animal-ecology-prize-for-early-career-ecologists/>

Suggested procedures for manuscript review

1. Divisions identify their candidate and the nominee submits a one-page proposal to the appropriate Division Board Member (BM) of *ICB* (http://www.oxfordjournals.org/our_journals/ICB/editorial_board.html). This proposal should succinctly introduce the authors' ideas and provide convincing evidence that a manuscript is warranted on a topic. Authors are also welcome to submit a single image/table and a maximum of 10 references to make their case.
2. BMs will consider the proposals and pass their recommendation and proposal materials on to the Associate Editors (AEs).
3. Associate Editors (AEs) will ensure that proposed manuscripts comply with *ICB* policy then AE's and/or the Managing Editor, Suzanne Miller, will work with putative authors on deadlines and other practical elements of manuscripts submission.
4. On or before the submission deadline, authors will submit their manuscripts via ScholarOne.
5. After submission, all manuscripts will be peer-reviewed by the same process used for more typical submissions to *ICB*.

Education Council Report for the Executive Committee

December 14, 2016

Educational Council Members:

Bram Lutton, Chair (Endicott College, *appt:* 2015-2018)
Lisa Whitenack (Allegheny College, *appt:* 2015-2018)
Harry Itagaki (Kenyon College, *appt:* 2016-2019)
Jason Davis (Radford University, *appt:* 2016-2019)
James Murray (California State East Bay, *appt:* 2015-2017)
Michele Johnson (Trinity University, *appt:* 2014-2017)

Suggestions for **new Educational Council members** to serve for the three-year term, 2017-2020, were sent to Kathy Dickson and Lou Burnett on Nov. 21, 2016:

1. Joshua Drew (Columbia University) – interested in pedagogy and diversity. Regular attendee at SICB meetings, and was one of the presenters for the *Teaching and Learning* workshop we had in 2015 on Quantitative Biology.
 - <https://labroides.org/>
 - <http://teachmathbio.web.unc.edu/resources-from-talks/>
2. Kyle Mara (University of Southern Indiana) – had an education-related postdoc.
 - <http://maralab.weebly.com/>
3. Mike Baltzley (Western Oregon University) - interested in education issues and has attended several SICB conferences.
 - <http://www.wou.edu/~baltzlem/>
4. Sarah Humfeld (University of Missouri) - a long-time, active member of SICB, including serving in the leadership of DAB.
5. Alicia Fox (Hancock College) – teaches at a community college, which could provide the Ed Council with an important and useful perspective. She was at the workshop at the 2016 SICB meeting, and is a regular attendee.

Educational Council Responsibilities:

Undergraduate Poster Display: each year undergraduate poster presenters are contacted prior to the conference and volunteer to practice their presentations on the first day of the annual meeting near the registration desk. Ruedi Birenheide, Rick Blob, and Lori Strong have assisted in preparing for this activity and at the date of this report's preparation (12/14/2016) we have approximately 35-40 students participating. The deadline is Dec. 20th and the limit is 60 participants.

M. Patricia Morse Award for Excellence and Innovation in Science Education: *A full description of the award is below.* The 2017 winner of this award goes to Dr. Chris Gillen

While the Educational Council had several excellent candidates for the 2017 Morse Award, Dr. Chris Gillen was a standout nominee. Dr. Gillen has had a transformative impact on educational practices at Kenyon College and other Ohio-based academic and medical institutions, as well as on the national stage. His accomplishments have impacted undergraduate education, science writing for the general public, and teaching scientific writing for physicians and biomedical researchers. Thanks to Dr. Gillen's efforts, Kenyon College's Biology Department has been funded by a NSF Scholarships in STEM grant entitled "Building a Culture of Success in the Sciences" since 2010, which has enabled faculty and administrators to learn how to best recruit, retain, and serve the interests of science students from ethnic and economic minorities. Dr. Gillen's unique and innovative charisma is perhaps best summed up by the words of his colleague and Chair of Biology, Drew Kerkhoff, who supported Dr. Gillen's nomination by saying "All too often, we lose that rosy glow as the ambiguities and realities of our discovery set in, but Chris exercises and cultivates that sense of wonder so that it somehow resists atrophy.

John A. Moore Lecture: *A full description of the lecture is below.* The 2017 Moore lecturer will be Rosalind Reid. The Educational council has made a request for **Honorary membership** for the Moore Lecturer, Dr. Rosalind Reid; this e-mail request was sent Nov. 6th, 2016.

Lecture Title: *Only Converse? A Journalist Sizes Up the Problem of Science Communication*

Lecture Description: *The rise of active learning in science education has an analog in the world of science communication. The surging popularity of social media has destroyed the notion of a passive audience. Today's audience talks back; in fact, the voices and choices of active reader-commentators commonly drown out the voice of the sage. This online world may seem a largely hostile one to scientists, but three decades of experience helping scientists communicate gives Rosalind Reid reason for optimism. She will share some recipes for successful science communication, identify novel opportunities that exist in the new environment, and explain how "science as a way of knowing" might be an especially powerful starting point—assuming scientists are willing to think about new ways not just to communicate but to do science.*

Speaker information: [Rosalind Reid](#) (@rosreid) is Executive Director of the Council for the Advancement of Science Writing, an educational nonprofit dedicated to improving the quality and quantity of sciencenews reaching the public. She was Editor of American Scientist, the interdisciplinary magazine of Sigma Xi, The Scientific Research Society, from 1992 to 2008. During her tenure with the magazine, she developed hands-on workshops on science illustration for scientists. She has now presented "Picturing Research" talks and workshops across the U.S. and in six other countries. Co-organizer of the MIT/Harvard Image and Meaning workshop series on visual communication of science, she was the first Journalist in Residence at the Kavli Institute of Theoretical Physics at the University of California, Santa Barbara, and again took a "science immersion" leave to serve as a Fellow at the Harvard Initiative in Innovative Computing. She served as Executive Director of the Institute for Applied

Computational Science at Harvard's School of Engineering and Applied Sciences from 2010 to 2013 and as CASW's Program Director 2012-13. A graduate of Syracuse University with an M.A. in public policy sciences from Duke, Reid learned the science beat as a research news editor at North Carolina State University in the 1980s. She is a member of the National Association of Science Writers, has served on awards committees for the National Science Board and American Institute of Physics, is an honorary member of Sigma Xi, and continues her affiliation with the Harvard engineering school as an Associate. She is currently serving on the Organizing Committee for the 2017 World Conference of Science Journalists. She succeeded Ben Patrusky in her current position in September 2013.

TALX (pronounced “Talks”) workshop: *A full description of the workshop is below.* Sara Lindsay is a Fellow in the Partnership for Life Sciences Education (PULSE), which is a national organization of faculty, departmental and institutional leaders working to foster departmental implementation of the AAAS Vision & Change recommendations for undergraduate biology education. PULSE has several tools available to faculty and departments, and Dr. Lindsay and colleagues will highlight the recommendations from Vision & Change, introduce the PULSE tools, and share stories of how departments across the nation are working to meet the needs of 21st century biology education.

Science Education Outreach: The Ed Council Chair was contacted by Molly Jacobs, Chair of the Public Affairs Committee, regarding a graduate student’s desire to form outreach opportunities during the New Orleans annual meeting. Colleagues at the National Academy of Science provided a number of contacts to this end. The importance of “partnerships” versus “outreach” was also discussed.

Education Symposium, 2018: Many science faculty have been working to improve science communication in recent years, and it’s been an important topic of conversation for some time (see the Special Issue in *Science* Vol. 342, the *Science* editorial by Alan Leshner in Vol. 337, as well as works by other organizations, such as Sigma Xi's "Science Communication in the 21st Century” and the National Academy of Sciences Arthur M. Sackler Colloquium’s, “The Science of Science Communication”). Indeed, the recent SICB meeting in Austin, TX, featured a plenary address titled “Storytelling Skills: Now Mandatory for a Career in Science”, as well as the workshop on “Storymaking with the [Word, Sentence, Paragraph] Model” that followed. These provided a simple strategy for communicating science and they were provided by Dr. Randy Olson, perhaps best known for the acclaimed documentary, “Flock of Dodos”.

The Ed Council recently agreed to support and participate in a proposed (and now accepted) society-wide symposium for the 2018 meeting in San Francisco, sponsored by DEDB (primary) and DCB, DNB, DCE, DEDE:

Organizers: Sara ElShafie, Stuart Sumida, and Bram Lutton

Title: Story and Art in Science Communication

Overview: In this symposium, we will demonstrate that scientists can use story (that is, a plot with clear narrative structure and distinct characters), as well as art in various media, to communicate science effectively. Storytelling and artistic expression are universal languages that are understandable and relatable to any audience. Studies show that people absorb and recall stories twice as fast as they can for material that lacks any storyline. Our speaker list brings together a broad spectrum of scientists and artists, all of whom have experience using both science and art to share their work with general audiences. This symposium will equip and inspire scientists at every level to become creative and effective communicators.

We hope to work closely with Marty Martin and the *ICB* editors to generate a series of papers to be published offering an account of the symposium.

Education Council annual meeting (Friday, January 6th, 2017 at 12-1:30pm):

A priority on the agenda for our meeting will be to discuss aims for improving the Research and Education Resources (RER, formerly the Digital Library) database on the sicb.org website. During the 2015 annual meeting, the Ed Council Chair attended division meetings with members of the Executive Committee to explain how each division can help to disseminate the objectives of the RER. Three divisions were chosen for 2016, and members of the Ed Council agreed to communicate directly with officers of these divisions throughout the year. Those selected were DCPB (Harry Itagaki), DIZ (James Murray), and DCB (Lisa Whitenack). This remains a work in progress. We will continue to discuss the goals of the RER database, including new information gleaned from the 2016 member survey responses (*see below). We will also meet with the co-organizers of the society-wide science education/communication symposium for 2018 both at our annual meeting and at the planning meeting on Saturday, Jan. 7th at 12pm.

The M. Patricia Morse Award for Excellence and Innovation in Science Education

An annual award given to a SICB member at any career stage for significant achievement in science education. This award honors Trish Morse, a past President of SICB, for her extraordinary achievements and contributions to the society's mission of education. The SICB Education Council will accept and evaluate nominations for this award. Nominators should submit the following materials in support of their nominee: the nominee's current curriculum vitae, a one-page description of the nominee's contributions to science education, and any additional supporting materials related to the nominee's achievements in science education, along with three recommendation letters. Nominators are expected to submit at least one of the recommendation letters. Awardees are expected to write a brief (1500-2000 words) "Experiences in Science Education" article for the spring SICB newsletter following the annual conference, describing their personal achievements or another aspect of science education. Each year's winner will be recognized in the preceding SICB fall newsletter and prior to the introduction of the Moore Lecturer at the annual conference. The file of nominated candidates will be kept for consideration for a total of three years, with the nominated candidate asked each year if they would like to update any aspect of the file before consideration for that year's award. The Chair of the Educational Council may authorize funds to help support the winner's attendance at that

year's meeting. Please send nominations for this award to the Chair of the Educational Council (Chair.EdCouncil@sicb.org). **The deadline for nominations is August 24th.**

SICB Teaching and Learning Workshops

Established in 2013, the goal of the *Teaching and Learning X Workshops* (where *TALX* is pronounced “*talks*”) is to take advantage of the broad teaching expertise within SICB by giving members a forum to share their most innovative ideas for teaching in their respective disciplines. The SICB Educational Council established *TALX* as a moniker for these popular teaching and learning workshops because it emphasizes the multi-disciplinary nature of the Society, in the sense that “X” is replaced with a different field or topic each year. Past workshops have included topics such as the implementation of Science Education Reform in Introductory Biology Courses, Evolution, Quantitative Biology, and K-12 Outreach. These roundtable-style workshops are designed to address the needs of SICB members with respect to the following: *understanding* innovative pedagogies that have been developed for science classrooms and laboratories, *implementing* new methods in the classroom, and *engaging* academic administrators so that they understand and support utilization of novel approaches to teaching. As part of the coordination of the workshop, applications should include the following specific information, along with any additional logistical considerations they foresee: space/location, timing, invited participants, refreshments, and an itemized budget. Past *TALX* workshops have generally been two hours in length, in the evening or during lunch, and they generally include refreshments; however, this is an informal and flexible opportunity and *all* ideas are welcome! The Chair of the Educational Council may authorize funds to help in support of the *TALX* workshop at each year's meeting. Please send application materials to Chair.EdCouncil@sicb.org. **The deadline for applications is June 1st.**

The John A. Moore Lectureship

The Moore lectureship was established in 1990 by the SICB Education Council. The aim of this lecture series is to invite a nationally-recognized speaker who does not generally attend the SICB annual meeting to offer the society a new perspective on science education. While Professor Moore's work in the fields of embryology and genetics led to his election to the National Academy of Sciences, he is also well known as an educator and, in particular, for the creation of the *Science as a Way of Knowing (SAAWOK)* series. This series consisted of a set of essays and a book (*Science as a Way of Knowing: The Foundations of Modern Biology*) by John Moore that resulted from multi-day symposia by leading biologists held at the annual SICB (previously the American Society of Zoologists, ASZ) meetings from 1983-1994. The goals of *SAAWOK* for improving biology education remain at the forefront of science education today: to evolve entry level courses that emphasize concepts with materials consistent with the changing needs of students and society, to relate how scientific procedures lead to a better understanding of the natural world and to the solutions of important human problems, and to present biology as a relevant humanistic discipline. For more information on the *SAAWOK* series, please read the article describing their rich history by past SICB President, Trish Morse (<http://sicb.org/newsletters/nl04-2009/SICBNewsletter2009-04.pdf>).

The Moore Lecture is scheduled on the final day of the annual conference and is an hour-long presentation. Applications should include the following materials in support of nominees, which will be evaluated each year by the SICB Education Council to select the Moore Lecturer: the nominee’s current curriculum vitae, a one-page description of the nominee’s contributions to science education, and any additional supporting materials related to the nominee’s achievements in science education, along with up to three recommendation letters. Nominators are expected to submit at least one of the recommendation letters. The file of nominated candidates will be kept for consideration for a total of three years, with the nominated candidate asked each year if they would like to update any aspect of the file before consideration for that year's award. The Chair of the Educational Council may authorize funds to help support the winner's attendance at that year's meeting. Please send nomination materials for this lectureship to the Chair of the Educational Council (Chair.EdCouncil@sicb.org). **The deadline for nominations is August 24th.**

2016 survey responses regarding the SICB Research and Educational Resources (RER) database:

This section of the member survey contained questions generated by the SICB Educational Council and refers to issues surrounding teaching and providing research resources. The data shown below reflect responses from all members (Full, Postdoctoral, Graduate Student, Studentin-Training).

Have you ever viewed the teaching resources available on the RER or the old Digital Library?

- Yes – 25.0%
- No, never – 58.7%
- My first time visiting the RER page was made recently as a result of this survey. – 19.3%

The Educational Council is working to enrich the RER in different disciplinary areas. If the content of your research or teaching area were increased, how likely would you be to consult and use material from the RER? Scale of 1 to 5 where 1 = very likely and 5 = very unlikely.

- | | |
|---------------------|-------|
| • 1 – very likely | 21.9% |
| • 2 | 26.8% |
| • 3 | 31.7% |
| • 4 | 10.1% |
| • 5 – very unlikely | 9.5% |

What teaching areas of the SICB RER would you most like to see developed?

This table includes the teaching areas from the survey where more than one response was reported. They are ranked by the most popular response.

Disciplinary Area	# of Responses
Physiology	83
Biomechanics	47
Evolution	47
Ecology (includes ecological physiology)	38
Invertebrate Zoology	32
Animal Behavior (includes behavioral ecology)	25
Anatomy (includes comparative anatomy)	20
Phylogenetics	19
Morphology	17
Endocrinology	16
Neurobiology	15

Evolutionary Developmental Biology	13
SAAWOK (Science as a Way of Knowing)	9
Developmental Biology	8
Quantitative Biology (includes statistics)	8
Bioinformatics	4
Great Scientists	4
Marine Biology	4
Climate Change	3
Disease Ecology	3
Ecoimmunology	3
Biochemistry	2
Computational Biology	2
Conservation biology	2
Embryology	2
Genetics	2
Neuroethology	2
Robotics	2
Taxonomy	2
Toxicology	2
Zoology	2

Membership Committee Report

Sarah Berke, Chair

Chair*	Sarah Berke (01/2015-01/2018)
Member	Amy Moran (01/2016-01/2019)
Ex Officio-Secretary	Kathy Dickson

* Jeanette Yen served as chair from 01/2016-11/2016, at which point she had to step down for health reasons. Sarah Berke would have become chair in 01/2017, but took up the chairmanship early. The Committee consequently needs to appoint a third member, which we hope to do at the January 2017 meeting.

The primary role of the Membership Committee is to consider matters related to the recruitment of new members and the procedures and policies of membership in the Society. The Membership Committee is also responsible for reviewing the credentials of nominees for honorary memberships and making recommendations on their approval to the Executive Committee.

The Membership Committee met formally during the 2016 meeting in Portland, OR. At that meeting, chaired by Marcus Davis, we discussed the ad-hoc committee that has been formed, chaired by Jake Socha, to track SICB members from their time as students to later points in their careers. The primary purpose of this committee is to track how student members of SICB progress through their careers, with an eye towards quantifying how SICB supports the development of young scientists. Furthermore, the committee hopes to use these data to understand when student members who leave the Society are most likely to exit, and to consider ways that we can better retain members throughout their careers

Since that time, the committee has made some progress but found it difficult to obtain an unbiased sample, especially for those who may not have continued in academia, but is still working to obtain useful data. There was some discussion at the executive officers meeting in New Orleans in September about the desire to use the member database to track individual member's histories including SICB meetings attended, committee appointments, etc., and to track members who move out of membership over time. The executive officers agreed that collecting a "permanent" email address from members when registering for the meeting or paying dues would help to facilitate this.

In addition, the Membership Committee approved the nomination of Dr. Rosalind Reid for Honorary Membership in the SICB.

Student/Postdoctoral Affairs Committee Report

January 2017, New Orleans, Louisiana

Zen Faulkes, Chair

SPDAC will again be operating an "informational booth" in the Exhibitor Hall during the New Orleans meeting. This booth will be used to provide meeting attendees with information and handouts on topics relevant to SICB's student and postdoc membership.

This year's SPDAC Workshop in New Orleans is titled, "Low on the totem pole: Power structures and power struggles in scientific careers." This roundtable focuses on dealing with the power imbalances in academia. The time for this topic seems ripe in light of the adoption of SICB's policy on behaviour at conferences.

The SPDAC Facebook page (www.facebook.com/sicbspdac) will be searching for a new admin to replace outgoing member Eric Riddell. The SPDAC Twitter account (@SICB_SPDAC) is currently administered by Zen Faulkes.

Pre-Conference Student Support Committee Report

December 21, 2016

Ryan L. Earley, Chair (DAB, DCE, DEE)

Recap on funding for the 2015-2016 cycle

Last year, there were a total of 151 grant applications (132 GIAR and 19 FGST), of which 38 were funded (34 GIAR, 4 FGST). The total payout was \$39,999.65, with \$33,542.15 going towards GIAR awards and \$6,457.50 going towards FGST awards. Awards were distributed among divisions in a manner that reflected the proportion of applications received from students that affiliate with each division (e.g., 28% of the applications were received by DEE and 21% of the applications that were funded came from that division).

There were marked differences among divisions regarding the number of applications received, which may reflect the number of students that affiliate with each division and also the history of each division (e.g., from the new DEDE). The following divisions had considerably fewer grant submissions than the rest: DCE, DCPB, DEEB, DEDE, DNB, and DPCB. Last year, we relied heavily on getting these division data from student self-report and from the online membership database. This year, we added a 'divisional affiliation' button to the grant applications so that we would have an easier time of obtaining the data, and I plan to compare the results from this year and last year to see if the trends hold. If they do, I would like to request permission from the executive council to reach out to the divisions. In doing so, perhaps we can brainstorm about how to recruit applicants from a wider variety of disciplines with the goal of supporting grants that reflect the breadth of SICB student interests.

Data from this year's funding cycle

This year, we received 143 grant applications, a slight decrease from the 151 applications received last year. Twelve faculty grant reviewers, including the committee chair, have reviewed all applications and we are currently in the process of deciding this year's winners. The winners will be announced during the SICB 2016 conference in New Orleans, LA.

Committee Membership

Current committee members are listed in the table below (red indicates that we will need to replace the member for the indicated year; light green indicates that the member's term covers the indicated year; dark green indicates that the member has offered to remain on board for an extended term; the year indicates "review cycle year" such that 2016 means that the committee member is on board for reviewing proposals in 2016 for the 2017 meeting).

Name	E-mail	Term	Institution	Affiliations	Next Year 2017	2018
John Bertram	jbertram@ucalgary.ca	2014-2016	University of Calgary	DCB, DVM		
Christine Byrum	ByrumC@cofc.edu	2015-2017	College of Charleston	DEDB, DIZ		
Monica Daley	mdaley@rvc.ac.uk	2016-2018	Royal Veterinary College	DCB, DVM		
Cynthia Downs	cdowns@hamilton.edu	2015-2017	Hamilton College	DEDE, DEE		
Ryan Earley	rlearley@ua.edu	2015-2018	University of Alabama	DAB, DCE, DEE		
Tony Frankino	frankino@uh.edu	2014-2016	University of Houston	DAB, DEE, DEDB, DIZ		
Bill Hoese	bhoese@fullerton.edu	2016-2018	CSU Fullerton	DAB, DVM		
Jerry Husak	jerry.husak@stthomas.edu	2015-2017	University of St. Thomas	DAB, DEE, DVM		
Matt Lovern	matt.lovern@okstate.edu	2015-2017	Oklahoma state	DAB, DCE, DCPB		
Marianne Moore	marianne.moore@asu.edu	2015-2017	Arizona State	DEDE, DCPB, DEE		
James Strother	james.a.strother@gmail.com	2015-2017	Oregon State University	DCB, DCPB, DIZ, DNB, DVM		
Cory Williams	Cory.Williams@nau.edu	2016-2018	University of Northern Arizona	DAB, DCPB, DCE		
Christine Bedore	cbedore@georgiasouthern.edu	2016-2018	Georgia Southern University	DNB, DAB, DCPB		
Katie Staab	kstaab@mcdaniel.edu	2017-2019	McDaniel University	DVM, DCB, DEDB		

Jonathan Allen, Brian Helmuth, and Eric McElroy rolled off of the committee this past year. Tony Frankino has contributed significantly to our committee over the past several years but was unable to review proposals this year because of a considerable increase in administrative duties at his home institution. To maintain SSC membership for the current review cycle, Peter Wainwright recruited Bill Hoese, Monica Daley, and Cory Williams soon after the Portland meeting, and I recruited Christine Bedore (suggested by Kathryn Dickson) in October 2016.

I also recruited Katie Staab for next year's review cycle, which should put the committee at 13 members for 2017.

John Bertram was due to roll off of the committee after the current review cycle but he indicated that he would like to extend his term for one year. Marianne Moore and Jerry Husak indicated that they would like to remain on the committee for another 3-year term.

We will need to make an effort to recruit additional members after next year's grant cycle (2017 reviews for the 2018 meeting). The following individuals have been identified by committee members as potential replacements:

- Rindy Anderson (Florida Atlantic University) - <http://rindy1.wixsite.com/rindyandersonlab> (behavioral ecology, communication, cognition)
- Tonia Hsieh [Temple University] - <http://astro.temple.edu/~sthsieh/research.html> (locomotor behavior; links between ecology and morphological evolution; broad taxonomic interests from spiders to lizards, turtles, and fishes)
- Mike Baltzley (Western Oregon University) - https://www.researchgate.net/profile/Michael_Baltzley/contributions (mechanosensory/neural control of movement in molluscs and other invertebrates; behavior, neurobiology)
- Justin McAlister (Holy Cross) - <http://www.holycross.edu/academics/programs/biology/faculty/justin-mcalister> (marine invertebrate life history evolution, population biology, ecotoxicology)
- Angela Horner (Cal State University – San Bernadino) - <http://biology.csusb.edu/faculty/horner/> (locomotion, disease and performance, muscle function, mammals)

I will begin to actively recruit a replacement for the committee chair position. I will remain chair through the 2018 review cycle (leading up to the 2019 meeting) but will not be able to extend my term.

The New Review Interface

I worked with Ruedi to generate a more streamlined and user-friendly review interface. The following changes were made:

1. A divisional affiliation button was added to the student application form.
2. The “How well qualified are you to review this proposal” button was deleted from the review interface, as per our vote at last year’s meeting.
3. The “Comments” window has been deleted from the review interface, as per our vote at last year’s meeting.
4. The “Priority” (low, medium, high) scores were replaced with “Quartile” scores (1st [top 25%], 2nd, 3rd, 4th [bottom 25%]). We assign a quartile score to each proposal and we have a quota on the number of proposals in each quartile. This was a suggestion of one of our members that was looked upon very favorably at last year’s meeting, and it was meant to alleviate some of the issues associated with selecting the last few proposals that get funded. We are giving it a shot this year, and we’ll see how it works.
5. The review interface now allows committee members to view the priority score and a cumulative numerical score for each proposal while reviewing other proposals. The goal here was to facilitate comparisons among proposals.

Goals for Next Year’s Meeting

1. The committee would like to arrange a Workshop at the 2018 meeting to discuss how to generate a competitive GIAR/FGST proposal; the chair would like to discuss this possibility with the program officer.
2. The committee would like to discuss the possibility of adding a flag to the SICB program so that we can see which student talks were funded by this program. If this is viewed favorably by the executive council, I would be interested to coordinate with the most appropriate person.
3. The committee would like to discuss the possibility of adding a flag to the nametag of the previous year’s awardees for purposes of recognizing past GIAR/FGST recipients. This could be done in lieu of, or in addition to #2 (above).

Goals for Next Year's Review Cycle

1. There was some concern about the grant descriptions online, particularly related to the issue of travel. The committee's understanding is that students who are seeking funding for travel to field sites or other locations should apply for the FGST. However, students who are seeking funding for research-related expenses (e.g., supplies) while working at a field site (or otherwise off campus) should apply for the GIAR. The GIAR also will support research-related expenses for students working on location at their home institution. This needs to be clarified on the website and I will work with Ruedi to make this happen.
2. At our annual meeting, we will discuss the following issues:
 - a. Enforcing the character limit; disqualifying applications that exceed the limit and/or making sure that the online interface caps the grants at 3000 characters.
 - b. Changing the character limit to accommodate committee suggestions. The committee has indicated some interest in having students describe their strategy for analyzing data (statistical or other approaches used for more descriptive work) but this may require increasing the character limit. We will discuss the added burden that this will place on committee members during the reviewing process, and we will agree upon a new character limit (or maintain the old character limit of 3000 with spaces included).
 - c. Assessment of the changes to the review process and review interface.

SICB Public Affairs Committee Report 2016

Molly Jacobs, Chair

Committee membership (year indicates end of term on PAC)

Jimmy Liao '19

Sharri Zamore '19

Molly Jacobs (Chair) '18

Thom Sanger '18

David Hu '17

Tonia Hsieh '17

Rick Blob (Ex officio)

Kathy Dickson (Ex officio)

The PAC is currently discussing potential new members, and plans to submit a recommendation to the Executive Committee shortly.

The committee met via Skype on January 26, June 1, and October 25.

Summary of Committee Activity in 2016:

SICB and Social Media

Twitter: PAC member Thom Sanger took over the SICB twitter account in August, and has been posting science news of potential interest to SICB members on a daily basis. Since that time, the @SICBtweets has experienced a 48% increase in the number of followers (from 531 to 790). The number of tweets has increased from 48 to more than 655, and the tweet impressions (the number of people that see our tweets, including our followers and their retweets) has grown from a few hundred to as much as 15,000 in November. People tweeting to SICB has increased from zero to 25-42 per month. We expect all of these numbers to increase dramatically in December and January as we ramp up toward the meeting.

Website: The PAC dedicated one of its meetings to a discussion of SICB's social media presence. We reviewed several example sites ([Anole Annals](#) and [The Node](#)), and discussed the potential to improve the SICB website as an online destination for the SICB community. The SICB executive committee is also moving forward with a redesign of SICB's online presence, and the PAC is standing by to see how it can best contribute to the conversation.

American Institute of Biological Sciences (AIBS) Letter to the President-Elect

The AIBS drafted a letter to the president-elect urging him to (1) Make scientific research a budget priority, (2) appoint a presidential science advisor with strong scientific credentials, and (3) use peer-reviewed scientific information to inform decisions. SICB has signed on to the letter, which was sent on 12-22-2106 (https://www.aibs.org/position-statements/20161222_trump_transition_letter.html). Molly Jacobs from the PAC serves as SICB's representative on the AIBS public policy committee.

Annual Meeting Workshops:

2016: *Explaining the Importance of “Oddball” Science: Strategies for Public Outreach*

We cosponsored this workshop along with the Symposium on the Morphological Diversity of Intromittent Organs. The goal of the workshop was to help members of the SICB community learn about and discuss effective ways to make the value of basic and seemingly esoteric research clear to a broad audience. The panel was moderated by Patricia Brennan, and panelists included Marc Abrahams, founder of the Ig Nobel awards and science humorist, Kayt Sukel, a journalist and science writer, Brian Langerhans, a scientist studying fish gonopodia, and Duncan Irschick, a scientist studying gecko motion and the inventor of Geckskin. David Hu was the point person for the PAC on the workshop.

2017 #1: *DIY Videography Workshop: Making your research broadly accessible*

As the world becomes increasingly more interconnected, it is important that scientific research exploits this accessibility to the public and other fields of research. Please join host Dr. Sharri Zamore and guest speaker Shannon Malone of Red Rock Films for an interactive session where we will discuss how to make simple, engaging science videos. This workshop will focus on motivations for producing videos about research, the features of successful, accessible videos, and activities to practice producing great science videos. If possible, bring a 2 sentence blurb or idea about your research that you'd like to communicate.

2017 #2: *Sketch your conference notes! A hands-on visual note-taking workshop*

Sketchnoting, also known as visual note taking, is the practice of sketching or doodling notes while listening to a lecture with the purpose of summarizing or recording key concepts visually – visual note taking is not detailed scientific illustration! The process of listening, identifying key points, and quickly translating them into a visual story on paper 1) increases focus during presentations, 2) helps in the retention and recollection of key concepts and complex scientific ideas, 3) creates a visual dialogue to communicate and share what was learned with the broader community, and 4) is fun! This is an introductory level workshop presented by Shayle Matsuda (@wrongwhale) where you will learn about the power of visuals for learning and communication, practice simple sketching techniques, explore how fonts, colors, design and layout can help get your message across effectively, and how to overcome the challenges of time and complex material. We will also talk about different ways to sketch (from pens and watercolors to digital) and tips for building your sketching tool-kit. This hands-on workshop will include time to practice new techniques and a chance to create your first sketchnote!

2017 #3: The PAC (along with the Broadening Participation Committee) is also helping sponsor a student-initiated public outreach effort to middle school students in New Orleans during the meeting. The outreach effort was organized by SICB member and graduate student Glenna Clifton.

Press Releases to Advertise the Annual Meeting

2016: Press releases issued through Newswise for the 2016 meeting had many hits, ranging from 2221 to 4583 (approximately double the number of hits we had last year!). The story with the most hits was “Corals respond to changing ocean condition by altering regulation of the DNA

message”, featuring research by Hollie Putnam. The stories were widely picked up – we found them posted in venues such as sciencemag.org, sciencenews.org, sciencedaily.com, dailymail.co.uk, and natureworldnews.

2017: The PAC selected eight abstracts to feature in press releases. Thom Sanger attended the programming meeting, and worked with program officers to develop a list of approximately 40 candidate abstracts. The entire committee winnowed this list down to eight, plus four ‘back-ups’ (some scientists turn us down because they don’t want publicity prior to publication).

Press releases were written by alumni of the student journalism program. Molly Jacobs and Tonia Hsieh served as the editors for press releases. When the press releases are complete, they are submitted to Newswise (available to journalists, but embargoed until the meeting). We are currently in the process of finalizing the releases and expect to have them all posted within the week.

SICB 2017 Featured Abstracts (Abstract #, title, First author and institution):

#1576 “Sensory basis of a mosquito-orchid pollination system” (Jeffery Riffell, University of Washington)

#336 “Using a neuroscience approach to uncover patterns of collective behavior in pulsing corals” (Julia Sampson, UNC Chapel Hill)

#997 “Earwax has properties like paint, enabling self-cleaning” (Zac Zachow, Georgia Institute of Technology)

#1600 AND #1899 (featured together in the same release) “Genetic and developmental drivers of convergent ear loss in toads” and “Repeated evolution of incomplete ear development in acoustically communicating toads” (Molly Womack and Jennifer Stynoski, Colorado State University)

#1458 “Modelling mutual suppression of sonar in groups of bats” (Amanda Adams, Texas A&M University)

#1730 “Clingfish inspired suction cups – holding tight when it gets rough” (Petra Ditsche, University of Washington, University of Alaska, Anchorage)

#294 “The evolutionary and developmental bases of adhesive toepads in Caribbean *Anolis* lizards” (Thomas Sanger, Loyola University in Chicago)

#7 and #1036 (featured together in same release) “The neonicotinoid pesticide, imidacloprid, affects *Bombus impatiens* (bumblebee) sonication behavior when consumed at doses below the LD50” and “A neonicotinoid pesticide disrupts nest behavior and social interactions in bumblebee colonies” (Callin Switzer and James Crall, Harvard University)

Student Journalism Program

2016: We worked with five student journalists. The program kicked off with breakfast on the first day of the Portland conference, with a second in-person meeting at the end of the conference to discuss the potential stories. The stories were completed by April 2016 and published on the front page of the SICB website, where they remained throughout the year. The stories are:

Blood, brines, and microbiology beneath Antarctic glaciers

By Sara ElShafie, University of California, Berkeley

Stingrays solve problems with eating troublesome prey in surprising ways

By Kaitlyn Lowder, University of California, San Diego

Mosquitos feed more and breed more when hosts are stressed

By Phoebe Edwards, University of Toronto

Predicting elk migrations to lessen the spread of brucellosis

By Ashley Booth, Nicholls State University

Cricket males' aggressive take on 'Marco Polo' sets the stage for sexual signal evolution

By Callum Kingwell, Cornell University

2017: We have recruited five student journalists for the 2017 meeting. Those students are:

Alice Chou, University of Maryland Baltimore County

Amanda Franklin, Tufts University

M. Elise Lauterbur, Stony Brook University

Corrie Navis, Eastern Michigan University

Dina Navon, University of Massachusetts Amherst

Development Committee Report

Bob Roer, Chair

Development Committee: Karen Burnett, Dar Jorgensen, Karen Martin (*ex officio*), Rachel Merz, Bob Roer, and Brian Tsukimura

The Committee met formally in Portland and general discussions centered on formulating guidelines for donations to attempt to limit the formation of new named funds and to plan for the New Orleans meeting.

1. At the Portland meeting, the Development Committee began a discussion of a means of increasing giving by a broader segment of the membership without necessarily increasing the number of named and restricted endowments. The Committee worked for a number of months on formulating guidelines for donors. The intent of the document was to direct donations in honor or memory of an individual to one of the existing student support funds [Charlotte Mangum Student Support Program or Grants in Aid of Research (GIAR)/ Fellowship for Graduate Student Travel (FGST)]. Depending upon the size of the donation, a number of the awards given from those funds would be named for the honoree for a given period. A draft policy was submitted to the Executive Officers in March and was adopted.
2. At the Austin meeting, we began a new donor recognition program. Ribbons that were affixed to badges) identified donors at five different giving levels. The recognition program has been continued in ensuing meetings and will be in place again at this meeting.
3. The Committee designed and printed logoed t-shirts and polo shirts that were on sale at the Portland meeting and new ones that will be on sale at the New Orleans meeting. The t-shirts are meeting specific, but the polo's bear the Society logo only and so we can continue to market these beyond a specific meeting. The Committee will work to establish an on-line SICB store. The manufacturer we have worked with has the facilities to host a SICB landing site and to produce logoed items on demand, with no cost to the Society. The Society-determined mark-up on each item will be paid to the Society by the manufacturer.
4. Donations to each of the named funds and to the general fund for FY 2016 and FY 2017 (as of 30 November 2016) are listed in the table below. The balances of each named fund (also as of 30 November 2016) are also listed. The balances do not reflect any investment gains or losses for this fiscal year.

The Committee wishes to extend profound thanks to the good people at Burk and Associates, Inc. for all of their help over the previous year. Lori Strong, in particular, has been instrumental in helping us plan Development events and with logistics.

Fund	FY 2016	FY 2017*	Balance*
Bartholomew	\$ 135.00	\$ 65.00	\$ 163,919.05
Hyman	\$ 13,978.00	\$ 1,170.00	\$ 110,690.81
Davis	\$ 3,770.00	\$ 275.00	\$ 25,021.17
Wenner	\$ -	\$ -	\$ 12,766.35
GIAR	\$ 4,651.00	\$ 1,055.00	\$ 213,498.52
Mangum	\$ 1,400.00	\$ 675.00	\$ 304,955.54
Moore	\$ 1,020.00	\$ 545.00	\$ 46,066.81
Skinner	\$ 1,480.00	\$ 515.00	\$ 22,026.18
Symposium	\$ 700.00	\$ 255.00	\$ 125,052.12
Gans	\$ 400.00	\$ 570.00	\$ 41,083.29
Prosser	\$ 75.00	\$ 25.00	\$ 29,380.03
Bern	\$ 15,645.00	\$ 510.00	\$ 34,688.82
Non-endowment	\$ 650.00	\$ 750.00	N/A
TOTAL	\$ 43,904.00	\$ 6,410.00	\$ 1,129,148.69
* as of 30 Nov 2016. Balance does't include gain/loss			

Broadening Participation Committee Report

Stacey Combes, Chair

Updates on the Broadening Participation Committee

In 2016, we added a new post-doctoral member to the committee, Maya DeVries, a new graduate student member, Clare Adams, and a new chair, Stacey Combes. Future plans include increasing the visibility and impact of the BP program by expanding its presence on the SICB website and by developing a mentorship program that would be available to all members of the SICB community. The committee will also clarify the guiding principles and goals of the BP program, including its definition of underrepresented groups and its priorities in terms of BP Travel Award funding.

New Orleans, 2017 activities

BP Travel Awards for SICB 2017

The BP committee gave out 21 awards this year (each \$500) to the top ranked applicants. There were a total of 45 applicants, including 1 research associate, 7 postdocs, 20 PhD students, 2 MS students, 1 post-baccalaureate researcher, and 14 undergraduate students. The ethnicities were divided as follows: 21 Hispanic/Latino, 4 African American, 1 Native American, 6 Asian, 2 Middle Eastern, 7 Caucasian, and 4 that did not state. A total of 32 women and 13 men (including 2 transgender men) applied. The 21 applicants that were awarded consisted of 1 research associate, 3 post-docs, 9 PhD students, 1 post-baccalaureate researcher, and 7 undergraduates, with 6 of the undergraduates, 2 of the PhD students, and 1 post-baccalaureate researcher attending SICB for the first time. Of the awardees, 2 were African American, 13 Hispanic/Latino, 1 Native American, and 3 Asian; 15 of the 21 awardees were women and 2 were transgender men. We also had 1 awardee decline his award due to receiving full funding from other sources.

Pilot Meeting Mentor program

The BP committee is initiating a pilot Meeting Mentor program this year by offering to match BP Travel Award recipients with a mentor. 10 of our awardees asked to be matched with a mentor – an experienced SICB-goer that will attend at least 3 SICB events (e.g., poster sessions, socials) with their mentee, to help expand their network and offer career advice. We will refine the program based on feedback from this year's meeting, and we plan to offer this opportunity to all members of the BP community in the future, regardless of travel award funding.

SICB 2017 meeting activities

The BP committee will be sponsoring a workshop (noon, January 7th) on "Microaggressions: The big impact of small things," which is designed to help workshop attendees discuss if, when, and how to respond to subtle, discriminatory comments that many members of underrepresented groups experience on a regular basis.

Overview:

Why do you sound so white?

You're the best woman I've ever had in this class.

*No, where are you really from?
So which bathroom do you use?*

These experiences of subtle, indirect, and sometimes unintentional discrimination can add up over time to marginalize students and scientists who are underrepresented in their institution, geographical area, or field of research. This contributes to the steady loss of scientists with diverse backgrounds and viewpoints from the academic pipeline. This workshop will allow participants to share their experiences and brainstorm about when and how to respond to microaggressions. The workshop will include a Q&A session with a panel of diverse scientists and small-group discussions.

Travel Awards will be given to recipients at the Broadening Participation Social at 8-10 PM on Saturday, January 7th. The BP Social will be held at the Dragon's Den, near the French Market stop of the Riverfront Streetcar line. A buffet dinner will be served and a cash bar will be available. Please be sure to come by the social to enjoy the refreshments while you chat with your SICB colleagues, before moving on to the DVM/DCB social at The Maison (around the corner from the Dragon's Den) or the SICB dance at the Convention Center. We welcome the participation of all SICB members and look forward to hearing your comments and suggestions for broadening participation in our society.

Broadening Participation Events for the 2017 Meeting in New Orleans, LA:

1. Broadening Participation Travel Award Meet & Greet Breakfast, Thursday Jan 5th, 7-8 AM, Room 229.
2. Broadening Participation Committee meeting, Friday Jan 6th, 7-8 AM, Room 229.
3. Workshop – “Microaggressions: The big impact of little things,” Saturday Jan. 7th, noon-1 PM, Room 214.
4. Broadening Participation Social, Saturday Jan. 7th, 8-10 PM, The Dragon's Den, 435 Esplanade Ave.

Annual Report of the DAB 2016

Chair: Jennifer Gumm (1/2016 – 1/ 2019)

Secretary: Michele Johnson (1/2015 – 1/2018)

Program Officer: Allison Welch (1/2011 – 1/2014; 1/2014 – 1/2017)

Student/Postdoc Rep: Helen Chmura (1/2015 – 1/2018)

Division Posts: This is my first year as Chair of the DAB. A huge thank you to Allison Welch who has served as Program Officer for 2 terms, since 2011. Scott MacDougall-Shackleton was elected to fill the Program Officer position, to begin after the 2017 Annual Meeting. We also thank Diana Hews, who after her term as Chair of DAB also served as the DAB representative on the ICB Board for a year.

Meeting Statistics, current and future symposia

At the 2016 Portland meeting, the DAB co-sponsored the following symposia:

- 1) Evolutionary Endocrinology: Hormones as Mediators of Evolutionary Phenomena (SICB-wide, DAB, DCE, DEDB, DEE, DPCB)
- 2) New Frontiers in the Integrative Study of Animal Behavior: Nothing in Neuroscience Makes Sense Except in the Light of Behavior (SICB-wide, DAB, DCE, DEE & DNB)
- 3) Neuroecology: Neural Mechanisms of Sensory and Motor Processes that Mediate Ecologically Relevant Behaviors (DAB, DCB, DCE, DEE, DNB, & AMS)
- 4) Are Migratory Animals Superspreaders of Infection? (DAB & DEDE)
- 5) Beyond the Mean: Biological Impacts of Changing Patterns of Temperature Variation (DAB, DCE, DCPB, DEE, & DIZ)

At the 2017 meeting in New Orleans, DAB members are contributing with 109 oral presentations in 16 behaviorally-themed sessions, 102 posters in behaviorally-themed poster sub-sessions, and 99 presentations in other sessions by authors with DAB primary affiliation or ABS affiliation. We had a total of 65 entrants in DAB Best Student Presentation competitions (oral and poster) and again this year (2017 Annual Meeting) the Best Student Paper finalists will be featured in a special oral session. Finally, DAB is co-sponsoring two society-wide and four regular symposia at the New Orleans 2017 meetings. Table 1 at the end of this report lists the comparative statistics over the past 6 years, for monitoring annual changes in the division.

DAB BSP Awards: For the 2016 competition at the Portland meeting, the DAB had 28 poster entrants and 18 talk entrants. Based on a judging panel's evaluation of an extended abstract, 8 finalists were selected to present in the oral session.

The winner of DAB's Best Student Presentation award in the oral category at the Portland 2016 meeting was Nick Keiser, for his talk on "Variation in host behavioral type and body condition produce heterogeneity in the transmission of cuticular bacteria among group-mates." Nick is in the Department of Biology at the University of Pittsburgh.

The DAB is one of three divisions that may award the Adrian Wenner Award for Strong Inference, and this year Alexandra Bentz, from the University of Georgia, received this award for her talk, "Species-specific traits shape patterns of yolk testosterone allocation in response to competition: A meta-analysis."

The winner of DAB's Best Student Presentation award in the poster category was Syndey Hope, from Virginia Tech for her talk on "The effect of incubation temperature on wood duck duckling behavior." The DAB also awarded an Honorable Mention to Madeleine Naylor from Oklahoma State University for her poster titled "'Environmentally relevant levels of 17 and alpha-ethinylestradiol influence male Zebra Finch courtship behaviors, pair bond formation and reproductive success."

During the Fall of 2016, the DAB Executive Committee and Judges evaluated 22 extended abstracts to select the finalists for the 2017 competition. Congratulations to the seven finalists: Roger Brothers, Rachel Crane, Jesse Delia, Christopher Goodchild, Lucie Grecias, Sarah Guindre Parker, and Avery Russell. Their presentations will be given in Session 34 on January 5, 2017, at 1:30-3:15 pm in Room 222. We will also have 42 students compete in the Best Student Poster Competition, with a subset of these posters presented in each of the three poster sessions.

The DAB has decided to name the Oral and Poster BSP Competitions after prominent animal behaviorists and scientists who have been active in SICB. We solicited nominations from the membership and received 26 suggested names. We are currently moving forward with these nominees and plan to hold a vote for the final name selection in association with the 2017 meeting.

Next Business Meeting:

Our DAB Business Meeting for the 2017 New Orleans meeting will be held on January 5, at 5:45 pm in Room 220, followed by a joint DAB/DNNSB social in Room 225/226 at 6:30 pm. At the business meeting, we will announce the winners of the Oral BSP competition.

Submitted by Jennifer Gumm, Allison Welch, Michele Johnson, Helen Chmura.

Table 1. DAB activity over the past 6 years assembled by Allison Welch, DPO of DAB.

Categories	2012, Charleston	2013, San Francisco	2014, Austin *	2015, West Palm Beach	2016, Portland	2017, New Orleans
Oral presentations in behaviorally-themed sessions (# Talks / # Sessions)	70/13	48/9	77/12	65/10	102/15	109/16
Posters in behaviorally-themed sessions	57	54	58	68	60	102
Presentations in other sessions by authors with DAB or ABS affiliation	52	61	102	74	103	99
Entrants in DAB's best student presentation competitions	57	63	50	46	49	65
DAB co-sponsored Society wide / Regular symposia	2/2	3/3	1/5	2/3	2/4	2/4

* For 2014 meeting DAB changed the BSP format of Oral talks to an invited competition based upon an extended abstract.

DCB Report to the Executive Committee, SICB 2017.

Melina Hale, Chair

The Division of Comparative Biomechanics had a great annual meeting in 2016 with high representation and, as always, a diverse and interesting group of presentations. We had strong groups of finalists for the best student presentation competitions and announced the first winners of the newly named Steven Vogel Award for the Best Student Poster in Biomechanics in 2015 and the Mimi A. R. Koehl and Stephen A. Wainwright Award for the Best Student Presentation in biomechanics.

Two years ago we changed the student presentation competition from a system where all students entering compete to having a selection process with only finalists competing at the meeting. So far this transition has gone pretty well with many students submitting abstracts to the paper competition, despite the additional requirement of an extended abstract. We need to keep working on how to best communicate the requirements of the extended abstract, as each year there have been some students who submitted to the competition but were ineligible as the submission did not conform to those requirements. The pool of students applying for the poster competition has not been as large and we are encouraging greater participation in that opportunity. DCB leaders will be monitoring the numbers of applicants in the coming years to make sure to continue to have strong competitions but so far the system of pre-selection based on extended abstracts is working for the Division.

At the meeting, we have had the very positive response to the best student presentation sessions and the audiences for both papers and posters have been very strong. Especially for the papers, where there have been more competitors, it has been a real showcase for superb DCB student research and presentation.

The Division gave a Gans award in 2016 and will announce another one this year. We have had more nominees than in years past (in 2015 no award was given) but this has taken considerable outreach to the community and it still feels like there could be more nominations. The Gans Award Committee included John H. Long, Stacey Coombs and Rachel Merz did an excellent job with a competitive group of nominees.

I followed up with the committee on last year's discussion regarding the rules associated with the award. One Gans award can be given per year either to an outstanding junior scientist for distinguished contributions to the field or for "the single most significant contribution published in the past year" in biomechanics to a scientist at any rank. Both this year and last we had nominees in both categories. The process raised questions for us over 1. whether there should be two separate awards and 2. whether the contribution to the literature requirements could be better framed. It is as yet unclear whether this would be possible given the stipulations of the endowment but I have been reaching out to SICB members who were involved in the initial development of the award for their thoughts and hope to have more information by the DCB business meeting.

One small, but significant, issue for the annual meeting is the SICB support for the Divisional socials. A set amount is given to each Division for its social each year, no matter the attendance within the Division. Although DCB and DVM have been pooling resources for the social, the high and increasing attendance in the divisions has made it challenging to put on a reasonably resourced event. It might be worth discussing the pros and cons of the current system and alternatives.

Another important task for last year was finding a direction for leadership of the biomechanics teaching materials in the SICB digital library. After many years of leadership by Steve Vogel and Rachel Merz, at their request we looked to formalize responsibility for this resource within the Division. Joe Thompson agreed to be appointed as the DCB Digital Resources Curator. At this year's business meeting we will discuss better formalization of this position and are happy to conform to SICB-wide plans for leadership of the digital resource, if they are developing.

With chair elections last spring, our incoming chair elect is Stacey Coombs, who will take over for Sheila Patek when she becomes chair at the end of the 2017 meeting. In addition Ty Hedricks was appointed by the President as DCB representative to the ICB editorial board. They join an excellent group of DCB officers who, together with an engaged and engaging membership, promise a strong future for the Division.

Division of Comparative Endocrinology (DCE)

L. Michael Romero, DCE Chair

The meeting in Portland, OR, was a terrific success. DCE co-sponsored 6 symposia: *Neuroecology: Neural mechanisms of sensory and motor processes that mediate ecologically relevant behaviors*; *The morphological diversity of intermittent organs*; *Evolutionary endocrinology: Hormones as mediators of evolutionary phenomena*; *Beyond the mean: Biological impacts of changing patterns of temperature variation*; *Tapping the power of crustacean transcriptomes to address grand challenges in comparative biology*; and *New frontiers in the integrative study of animal behavior: Nothing in neuroscience makes sense except in the light of behavior*. DCE members submitted 93 abstracts, which was significantly lower than the 127 of 2015. However, 2016 was likely a transient dip because DCE has 115 submitted abstracts for 2017.

The 15th annual Howard Bern lecture was presented by Dr. Elizabeth Adkins-Regan. Her lecture, “*Comparative Endocrinology of Social Monogamy*” was a terrific exploration of the underlying neuroendocrinological mechanisms regulating socially monogamous breeding systems.

A major concern last year was the need to increase the endowment fund for the Howard Bern lecture. The fund required a minimum of \$25,000 to remain solvent, and thanks to tireless work from prior DCE chairs (especially Mary Mendonca and Steve McCormick) and very generous gifts, we have now surpassed that threshold. In the past year we raised over \$20,000, highlighted by a special \$10,000 gift from the Hashimotos of the Zenyaku Kogyu Co.

We also had fantastic student competitions for the Aubrey Gorbman Oral Presentation Award won by Robert Zinna (Washington State Univ.) who gave a talk titled: *Using RNA-seq to understand the endocrine control of condition-dependent traits*. The Lynn Riddiford Poster Presentation Award was won by Sarah Guindre-Parker (Columbia Univ.) who presented a poster titled: *What physiological traits allow tropical passerines to cope with climatic uncertainty*. The division continues to like selecting the most competitive oral presentations and grouping them into a single session. We believe it has succeeded in increasing the profile of these talks.

DCE held its social jointly with the Division of Ecoimmunology and Disease Ecology (DEDE). We continue to run a Data Blitz during the DCE social. The Data Blitz occurs when student competitors present 2 min versions of their talks with the winner chosen by audience applause. This format is very popular with student members and we will continue it this year as well.

DCE will co-sponsor 6 symposia again this year. They include: *Evolutionary Impacts of Seasonality*; *With a Little Help from my Friends: Microbial Partners in Integrative and Comparative Biology*; *The Development and Mechanisms Underlying Inter-individual Variation in Pro-Social Behavior*; *Integrating Cognitive, Motivational and Sensory*

Biases Underlying Acoustic and Multimodal Mate Choice; Integrative Life-history of Whole-organism Performance; Molecular and Neuroendocrine Approaches to the Study of Evolutionary Tradeoffs: Food, Sex, Stress, and Longevity.

Brain Walker was elected this past spring for the next DCE program officer. He will begin serving at the end of the 2018 meeting. The DCE secretary, Sarah Woodley will complete her term at the end of the 2017 meeting and our secretary-elect, Sharon Lynn, will become the new DCE secretary. We will have two elections this coming spring for chair-elect and program officer-elect.

SICB DIVISION OF COMPARATIVE PHYSIOLOGY AND BIOCHEMISTRY (DCPB) REPORT

Inna Sokolova (Chair; 01/2016-01/2018)

Officers:

Chair-Elect 01/2017-01/2018	Kimberly Hammond
Past Chair 01/2016-01/2018	Stephen Secor
Secretary 01/2016-01/2018	Robin Warne
Program Officer 01/2015-01/2017	Jason Podrabsky
Program Officer 01/2017-01/2019	Wes Dowd
Student/Postdoc Rep. 09/2015-01/2018	Catherine Dayger

Elections and appointments: Congratulations to Kim Hammond (University of California Riverside) and Wes Dowd (Loyola Marymount University) on being elected as DCPB Chair-elect and Program Officer, respectively. Many thanks to Jason Podrabsky (Portland State University), who served as a Program Officer in the past two years, Deborah Lutterschmidt (Portland State University), who served as the DCPB's secretary through January 2016, and our former Student/Postdoctoral Affairs Committee representative, Natalie Pitts (Colorado State University) for their outstanding service to the Division. Robin Warne (Southern Illinois University) continues his service to DCPB as the Division's Secretary and Catherine Dayger (Portland State University) will continue to serve as the Division's representative to the Student/Postdoctoral Affairs Committee (SPDAC).

Valentina Di Santo (Harvard University) was appointed as the coordinator of the judging for the DCPB Best Student oral and poster presentations for SICB 2017. The Division expresses sincerest thanks to Ana Jimenez (Colgate University) who did an admirable job as the coordinator of judging for DCPB in the past two years.

In 2017, DCPB will initiate the process of nominations and election for the successor of Robin Warne for the post of the Division Secretary, and for a new student-post-doc representative to replace Catherine Dayger, whose terms end in January 2018.

Symposia and meeting statistics: DCPB has a strong presence in SICB 2017 including:

- 88 oral presentations in 15 sessions that represent a diversity of physiology topics including: energetics and metabolism, thermal physiology, water and ion homeostasis, and digestive, stress, respiratory, and reproductive physiology,
- 105 posters in physiologically-themed poster sessions,
- 191 abstracts with DCPB as the primary division affiliation (with ~40% of abstracts contributed by students),
- 72 entrants in the DCPB Best Student paper competition

In 2017, DCPB is sponsoring four symposia:

- Indirect Effects of Global Change: from Physiological and Behavioral Mechanisms to Ecological Consequences (SICB wide). Organizers: Alex Gunderson, Jonathon Stillman & Brian Tsukimura.
- The Ecology of Exercise: Mechanisms Underlying Individual Variation in Movement Behavior, Activity or Performance. Organizers: Tony Williams, Shaun Killen, & Ryan Calsbeek.
- Evolutionary Impacts of Seasonality. Organizers: Caroline Williams & Gregory Ragland.
- With a Little Help from My Friends: Microbial Partners in Integrative and Comparative Biology (SICB wide). Organizers: Kevin Kohl & Denise Dearing.

Awards - Students awards. By tradition, DCPB names the best student presentation competition in honor of an eminent physiologist who has passed away. In 2016 this award was named in honor of Dr. Louis J. Guillette Jr., Director, Marine Biomedicine & Environmental

Sciences Center and Endowed Chair in Marine Genomics at the Medical University of South Carolina. Dr. Guillette was a long-standing member of SICB and one of the pioneers in the field of endocrine disruptors who made great contributions to our understanding of how contaminants may impact endocrine and reproductive health in wildlife and humans. The Louis J. Guillette Jr. Award was awarded to Yvonne Dzal (University of British Columbia) for the best student oral presentation entitled “Are hibernating bats just big babies? Metabolic, thermoregulatory, and ventilatory responses of bats to low environmental oxygen,” and to Alessandra J. Jimenez (Whitworth University) for best student poster entitled “Effects of bacterial exposure on predator escape response in Atlantic brown shrimp, *Farfantepenaeus aztecus*” based on work completed at the College of Charleston and Hollings Marine Laboratory. The winners were selected from 57 student presentations, and the judging was coordinated by Ana Jimenez.

In 2017, the competition will be organized and judging coordinated by Valentina Di Santo, with a record number of the student entrants (72!).

Awards – George Bartholomew Award. The 2016 George Bartholomew Award was presented to Vincent Careau, who gave a great talk entitled “Interfacing Energetics, Behavioral Ecology and Evolution to Illuminate Blind Spots and Elicit Discovery.” Dr. Careau was selected from a highly competitive pool of nominees by the selection committee composed of Sheila Patek (Chair), Adam Summers, Alison Sweeney, Marty Martin, and Robert Cox.

This year’s George Bartholomew Award winner is Dr. Michael J. Sheriff, Assistant Professor of Mammalogy and Ecology at Penn State University. His Bartholomew Award Lecture is entitled “Integrating physiology, behaviour, and ecology to understand the mechanisms that regulate and limit animal populations.” Dr. Sheriff is an alumnus of the University of Toronto, in Canada. He received his Ph.D. in 2010 from the University of British Columbia (Canada) and completed his post-doc training at the University of Alaska Fairbanks, after which he moved to his current position at Pennsylvania State University as an assistant professor. He is a past winner of the Elton Prize for the best paper by a young author from the British Ecological Society and has been an invited Fellow in Residence at the Israeli Institute for Advanced Studies at Hebrew University in Jerusalem. The main focus of his work is on understanding the factors that limits and regulate animal populations in their natural world, integrating physiology, behavior, and ecology. The selection committee who chose 2017 Bartholomew Award recipient included of Adam Summers (Chair), Stacey Combes, Alison Sweeney, Marty Martin, and Robert Cox.

The Division greatly appreciates the hard work of the Bartholomew Award Committees in selecting the awardees, and extends sincerest thanks to John Lighton and Robin Turner of Sable Systems International for their continued gracious support of the Bartholomew Award.

Divisional Finances. As of the end of the fiscal year (6/30/2016), DCPB had \$17,345.19 of unrestricted funds, in addition to the \$4,100 allocation for socials, awards and symposia from the SICB general funds, and \$5,684 from the Bartholomew Fund. These funds will be used to cover the expenses of the Bartholomew Award social (\$6,000), symposium support (\$8,000), student awards (\$300) and an honorarium and travel reimbursement of the Bartholomew Award winner (amount TBD). This leaves Division in a healthy financial state for the upcoming year.

DCPB Business meeting: Thursday, January 5 (5:45-6:30 pm). In addition to the reports of the Division’s officers and committees, editors of *Comparative Biochemistry and Physiology* and *Physiological and Biochemical Zoology* are expected to present the annual reports for their journals, followed by the discussion of a new open access journal, *Integrative and Comparative Biology Open*.

DEDB CHAIR'S REPORT FOR 2016

Prepared by Cassandra G. Extavour

Submitted for the Meeting of the SICB Executive Council, 4 January 2017

New Orleans, LA

DEDB Divisional Officers

Chair 2016-2017

Cassandra Extavour

Chair-Elect 2018-2019

Kim Hoke

Secretary 2015-2016

Greg Davis

Secretary Elect 2017-2018

Julia Bowsher

Program Officer 2016-2018

Yuichiro Suzuki

Student/Postdoc Affairs Committee (SPDAC) Rep.

Amanda Khan

Incoming SPDAC Representative 2017-2018

Isabel Baker

2017 SICB Meeting, New Orleans, LA

DEDB will be supporting two symposia at this year's meeting that address DEDB-relevant themes:

S7: The Evolution of Arthropod Body Plans – Integrating Phylogeny, Fossils and Development

Organizers: Ariel Chipman and Doug Erwin

January 7, 2017, 08:00 – 16:00

S10: Physical and Genetics Mechanisms for Evolutionary Novelty

Organizers: Thomas Stewart, Stuart Newman and Günther Wagner

January 8, 2017, 08:00 – 15:00

We received 55 abstracts requesting oral presentations, and 33 abstracts requesting poster presentations. Program Officer Yuichiro Suzuki organized these into eight oral sessions and three poster sessions. 16 oral presentations abstracts were submitted for consideration for the Best Student Presentation (BSP) competition, and eight of these were selected for competition. These BSP talks will be presented in a single session on January 6, 2017, 13:30 – 15:30, and will be evaluated by a panel of DEDB judges.

Our Student/Postdoc Affairs Committee Representative, Amanda Khan, has organized DEDB “Evo-Devo Dinner Dates” to facilitate student researchers getting to know DEDB researchers at more senior career stages during the SICB meeting. This program has been highly successful in the past and we anticipate continued success at the 2017 meeting. Amanda will also help, as in previous years,

We will hold our annual business meeting on January 5, 17:45 – 18:30. Our social will be held jointly with the DIZ, DPCB, DEE, AMS and TCS Divisions, on January 7, 18:30 – 20:30.

2018 SICB Meeting, San Francisco, CA

DEDB will be contributing towards the support of four Symposia for the 2018 meeting, as follows:

Evolution in the dark: unifying understanding of eye loss

Integrative Biology of Sensory hair Cells

Story and Art in Science Communication

From small and squishy to big and armored: genomic, ecological and paleontological insights into the early evolution of animals

Other DEDB Business

Upcoming DEDB Elections in 2017 will be those for the positions of Secretary (for the years 2019-2020) and Program Officer (for the years 2019-2021). These elections will be held in the spring of 2017 so that the incoming Secretary-Elect and Program Officer-Elect are in post before the end of 2017.

Division of Ecoimmunology and Disease Ecology (DEDE)

Carol Fassbinder-Orth, Chair

Officers:

Chair: Carol Fassbinder-Orth (01/2016-01/2018)

Secretary: Travis Wilcoxon (6/2014-1/2017)

Program Officer: Sarah DuRant (6/2014-1/2017)

Student/Postdoc Rep: Daniel Becker (09/2015-01/2018)

Program Officer-Elect: Greg Demas (06/2016-01/2017)

Secretary-Elect: James Adelman (06/2016-01/2017)

Division posts:

Elections occurred in Spring 2016, resulting in the appointment of Greg Demas as Program-Officer, and James Adelman as Secretary-Elect. Congratulations to our newly elected officers. Thanks so much to Travis Wilcoxon, Sarah DuRant, Cynthia Downs and Marty Martin for serving as the inaugural officers of DEDE! They did a fabulous job establishing this division and helping grow and encourage involvement in this rapidly developing field of biology!

Meeting statistics:

DEDE is comprised of approximately 280 members (SICB website, 2016), which is up nearly 60% from the division's inception 2 years ago. Additionally, approximately 2/3 of DEDE members are either students or postdocs. I am encouraged by the growth and young demographics of this new division! At the 2017 meeting, DEDE will have a good presence, hosting five oral sessions (33 talks) and 5 poster sessions (32 posters). We are also co-sponsoring two disease/ecoimmunology- related symposia: "With a little help from my friends: Microbial partners in integrative and comparative biology" organized by Kevin Kohl and Denise Dearing, and "Integrative life history of whole-organism performance" organized by Simon Lailvaux and Jerry Husak.

Our "Lunch with an Ecoimmunologist" experience will continue this again this year- a big thank you to Daniel Becker for organizing this event that enables trainees to get quality face-time with someone established in the field.

Student awards:

We have 24 students competing for the Best DEDE Student Presentation Award this year! Thank you to all the DEDE members that have graciously dedicated their time to serving as judges; we especially thank Sarah Knutie for coordinating the judging!

Next business meeting

The 2017 business meeting will be held Thursday, January 5, at 5:45 pm-6:30 pm in Room 217. Also, be sure to catch the Bern Lecture from 7-8 pm on Friday, January 6, in Room 208/209/210 followed at 8 pm with our joint DCE/DEDE social and Data Blitz competition in Room R02/R03.

Call for Symposia Ideas:

We are encouraging anyone who has ideas about future symposia topics related to DEDE to talk to any of the DEDE divisional officers. Submissions for symposia at SICB have been declining in number over the last couple of years, and we want to do whatever we can to keep moving our division and the fields of Ecoimmunology and Disease Ecology forward. Even if you don't want to be the one to organize the symposium, but have a good idea that you believe would be pertinent to our division and help increase our divisional membership or attendance, please let us know!

Division of Ecology and Evolution (DEE)

Mike Sears, Chair

In 2016, the Division of Ecology & Evolution arranged an exciting line up of events for the 2017 meeting in New Orleans and has started to plan for the meeting in 2018.

1) The Huey Award competition is entering its fifth year. So far this process for best student papers has worked out very well for the division. .

2) Our alternative social event, Beer and Brains, was also held at the meeting in Portland. Approximately, 50 students and 15 mentors met at the Portland Brewing Company on Jan 6th. Over free food and beer, mentors and students engaged in conversation focussing on how to succeed in science. Both students and mentors provided rave reviews for this event.

3) DEE agreed to support several symposia for the San Francisco meeting in 2018.

4) With respect to officers and elections, Robert Cox will begin his term as Chair and Cameron Ghalambor will begin his term as Chair-Elect, and Christopher Tracy began his term as Program Officer and Michele Nishiguchi Program Officer-Elect. Ariel Kahrl will be the new student/postdoc representative.

2016 Report, Division of Invertebrate Zoology (DIZ)

John D. Zardus, Chair

DIZ Executive Committee

Chair, John D. Zardus

Secretary, Sarah Berke

Prog. Off.-elect, Linda Walters

Past-Chair, Jim B. McClintoch

Past Secretary, Jonathan Allen

Chair-Elect, N/A

Program Off., Bruno Pernet

Briefs from the 2016 Portland, OR meeting

- DIZ co-sponsored six symposia at the 2016 meeting in Portland, OR: 1) Parasites and Pests in Motion: Biology, Biodiversity and Climate Change (society-wide symposium organized by Christopher Boyko and Jason Williams), 2) Extraocular, Nonvisual, and Simple Photoreceptors (Thomas Cronin and Sönke Johnsen); 3) The Morphological Diversity of Intromittent Organs (Brandon Moore and Diane Kelly); 4) Integrative and Comparative Biology of Venom (Marymegan Daly and Lisle Gibbs); 5) Tapping the Power of Crustacean Transcriptomes to Address Grand Challenges in Comparative Biology (Donald Mykles, Karen Burnett, David Durica, and Jonathon Stillman); and 6) Beyond the Mean: Biological Impacts of Changing Patterns of Temperature Variation (Michael Dillon, Art Woods, and Michael Sears).
- Anne Boettger, chair of the DIZ student awards committee, did another outstanding job organizing the judging for the best student presentation awards.

The winners and runners up for the best student presentations were:

Best Oral Presentation

Winner- Lindsey Dougherty from the University of California, Berkeley for “Predators and prey: examining flashing as a signal in *Ctenoides ales*, “disco” clams.”

lindseydougherty@berkeley.edu

Runner-up – Raphael Ritson-Williams from the Hawaii Institute of Marine Biology for “Coral bleaching in Hawai’i: a window into reefs of the future.” rrw33@hawaii.edu

Best Poster Presentation

Winner- Kaitlyn Lowder from Scripps Institution of Oceanography, UC San Diego for “Effect of decreased pH and increased temperature on the growth, coloration, and calcification of the grass shrimp *Hippolyte californiensis*.” kblowder@ucsd.edu

Runner-up – Blake Jones from the University of San Francisco for “Cellular and molecular regeneration dynamics in an acoel flatworm.” bmjones@usfca.edu

Adrian M. Wenner Strong Inference Award

Winner- Blake Jones from the University of San Francisco for “Cellular and molecular regeneration dynamics in an acoel flatworm.” bmjones@usfca.edu

2016 Election and Appointments Outcomes

- Dr. Linda Walters, University of Central Florida, Orlando FL, was elected to replace Bruno Pernet in 2017 as our Program Officer.
- Sammi Smoot, Auburn University, Auburn AL, was appointed to replace Jenna Moore as the Student and Postdoctoral Affairs Committee Representative in 2017.

Libbie Hyman Scholarship Committee

- Chair Jennifer Burnaford continues doing a wonderful job as chair of the scholarship selection committee assisted by Will Jaeckle and Dawn Vaughn. This year we awarded two \$1,000 scholarships.
- Eric Moore, Bowling Green State University, Bowling Green, OH in support of summer research at the University of Michigan Biological Station. Eric's thesis work is focused on understanding the effects of temperature on soil-dwelling macroinvertebrates.
- Rachel Shoop, San Diego State University, San Diego, CA in support of summer research at the Queen's University Biological Station in Ontario, Canada. She will be documenting the evolutionary relationships between mites with a parasitic life history in the subgenus.
- A third scholarship was also awarded to Curtis Dinn, University of Alberta, Canada, but was ultimately declined due to logistical difficulties in completing the proposed activity (sponge course at STRI).

Briefs from the 2017 New Orleans, LA meeting

- DIZ is co-sponsoring five symposia: 1) Indirect Effects of Global Change: from Physiological and Behavioral Mechanisms to Ecological Consequences (organized by Alex Gunderson, Jonathon Stillman, & Brian Tsukimura); 2) Evolutionary Impacts of Seasonality (Caroline Williams & Gregory Ragland); 3) With a Little Help from My Friends: Microbial Partners in Integrative and Comparative Biology (Kevin Kohl & Denise Dearing); 4) The Evolution of Arthropod Body Plans – Integrating Phylogeny, Fossils and Development (Ariel Chipman & Doug Erwin); and 5) Low Spatial Resolution Vision - Function and Evolution (Anders Garm).
- DIZ will be combining with DEDB, DPCB, DEE, AMS & TCS in a social (Sat. 6:30-8:30).
- Annual divisional discretionary funds will be allocated at the DIZ business meeting following open discussion. As in the past, any funds not expended will be invested in raising the principal of the Libbie Hyman Memorial Scholarship Fund.
- A vote will be taken on a proposal that would alter our voting rules to allow voting to take place by ballot during the spring elections rather than in person at the annual meeting.
- Changes to the procedures of the DIZ best student presentation competition have been proposed and posted for comment on the DIZ discussion board and will be discussed at the business meeting.

2017 Elections and Appointments

Election for Chair-elect, John Zardus' term will expire Jan. 2018

Division of Neurobiology, Neuroethology, and Sensory Biology (DNNSB)

Paul A. Moore, Chair

General News

The division successfully investigate its member's feelings on a name change, proposed a name change, and then voted to create a new name. The Division of Neurobiology is not the Division of Neurobiology, Neuroethology, and Sensory Biology. Although cumbersome, many members felt that the old name did not capture the diversity of research being performed within the division. The field of neuroscience has evolved. Those members doing interdisciplinary work with animal behavior and neuroscience, as well as, those performing sensory ecology and sensory behavior wouldn't label themselves as neuroscientists.

The division continues to the International Society of Neuroethology and to its President Peter Narins in an effort to encourage its members to attend our SICB meetings. ISN meets every other year and we are hoping that on their off years their members will select SICB as their meeting of choice. Our proposal to their society would allow them to attend our meeting at member rates without having to formally join SICB. Peter is working with his executive committee on our proposal. We are waiting on their executive board to make a decision on this issue.

Jeff Riffle has been elected program chair and will begin his term at the New Orleans meeting.

For the second consecutive meeting, the division will be holding a best student presentation symposia as a separate event rather than have participants spread across the meeting. We continue to monitor this structure as there are concerns about the lack of visibility for our graduate students. The first symposium of this type was exceptionally well attended and produced a more consistent set of judging that pervious models.

We have kept the best poster nominees spread out through the meeting to place these posters in the appropriate session for their topics.

DVM Annual Report, 2016
Callum F. Ross, Chair of DVM
rossc@uchicago.edu

Meeting Participation

DVM folks submitted 461 abstracts (combined with DCB) out of the 1910 received across SICB as a whole, so we continue to be a strong division. DVM is sponsoring 2 symposia this year. These are:

- 1) ***The Ecology of Exercise: Mechanisms Underlying Individual Variation in Movement Behavior, Activity or Performance*** Organizers: Tony Williams, Shaun Killen, & Ryan Calsbeek
- 2) ***Integrative Life-History of Whole-Organism Performance*** Organizers: Simon Lailvaux & Jerry Husak

All DVM student podium presentations competing for the Davis Award will be in one session that is not scheduled opposite any other DVM or DCB sessions. This is a great opportunity for our stellar students to present to the largest possible audience.

Funding

In response to prompting from SICB to raise the amount in the Davis Fund to \$25K, we solicited donations from the members, the membership voted at the 2015 meeting to institute membership dues for DVM (\$10 for full members, \$5 for students and postdocs), and no regional meetings are being funded until we meet this target..

As of 10/2/2016 our Davis Fund was \$24,746. DVM will certainly pass the suggested target of \$25K at this meeting. We look forward to using that money for Regional Meetings and other expenses, to be decided on at the Annual Business Meeting in January, 2017.

2016 Social event

At the 2016 meeting in Portland, DVM and DCB co-hosted a social event off-site organized by Melina Hale (Chair of DCB) and Callum Ross (Chair of DVM). The aim was to create a fun night of dancing and light eats in an environment where people of all ages can participate. The event was at the Star Theater in Portland from 8 pm – 1130 pm, and we hosted over 200 people. ID was needed to purchase alcohol, but under-age folks were welcome in the venue as well.

A second off-site social event is organized for the 2017 meeting which we hope will also be a success.

Committee Positions

Casey Holliday's term as Divisional Secretary ended on Jan 1, 2016. He was replaced by Andrew Clark. Manny Azizi's term as program officer ends on Jan 1, 2017 and Brook Flammang will be replacing him.

Our new Student/Postdoc Representative is Christopher Mayerl from Clemson. He has done an excellent job organizing the judging of the student poster and podium presentations for the Davis and Liem awards.