

SOCIETY FOR INTEGRATIVE AND COMPARATIVE BIOLOGY
Executive Committee Meeting Minutes
3 and 7 January 2012
Charleston Convention Center
Charleston, South Carolina

Executive Committee Members Present, 3 Jan 2012:

President – Ken Sebens
President-Elect – Billie Swalla
Past President – Richard Satterlie
Secretary – Lou Burnett
Program Officer – Brian Tsukimura
Program Officer-Elect – Jon Harrison
Treasurer – Bob Roer
Member-at-Large – Adam Summers
Member-at-Large – Sally Leys
Member-at-Large – Amy Moran

Divisional Chairs

DAB – Marilyn Ramenofsky
DCB – Sharon Swartz
DCE – Mark Sheridan, not present but represented by Rosemary Knapp
DCPB – Jim Hicks, not present but represented by Don Mykles
DEDB – Mark Martindale
DEE – Art Woods, not present but represented by Mike Sears
DIZ – Dianna Padilla
DNB – James Murray
DPCB – Patrick O'Connor
DVM – Kiisa Nishikawa, not present
Editor-in-Chief, ICB – Harold Heatwole
Student Postdoctoral Affairs Committee Chair – Peggy Biga
Educational Council Chair – Bob Podolsky
Executive Director (*ex officio*) – Brett Burk

Others present:

Mark Denny – DCB Chair-Elect
David Drupa – BAI
Jim McClintock – DIZ Chair-Elect
Stephen McCormick – DEE Chair-Elect
Ian Sherman – Oxford University Press
Jane Silverthorn – NSF
Nora Terwilliger – Chair, Membership Committee
Cheryl Wilga – Chair, Committee on Broadening Participation
Bill Zamer, NSF

1. **Call to Order.** The meeting was called to order at 2:35 p.m. by President Ken Sebens. President Sebens welcomed and introduced the members of the Executive Committee and guests.

2. **Record of Executive Committee Actions**

a. **Approval of minutes of the 2011 Executive Committee Meeting.**

The minutes of the 2011 Executive Committee meeting were approved as submitted.

b. **The following actions of the Executive Committee between the annual meetings were read into the minutes for the record.**

1. **ICB Editorial Board Appointments** – January 26, 2011, editorial board appointments were approved for Dane Crossley (DCPB) and Lara Ferry (DVM) for 2011-2016 terms.
2. **Selection of 2015 Annual Meeting Site – West Palm Beach, Florida** – December 21, 2012; 16 votes for West Palm Beach, FL; 4 votes for Baltimore, MD; 1 vote for Charlotte, NC.

3. **Officer Reports.**

a. Program Officer – Brian Tsukimura

1. Brian Tsukimura acknowledged the hard work of the Program Committee. The committee worked very hard to organize the program for the largest meeting in the history of the society.

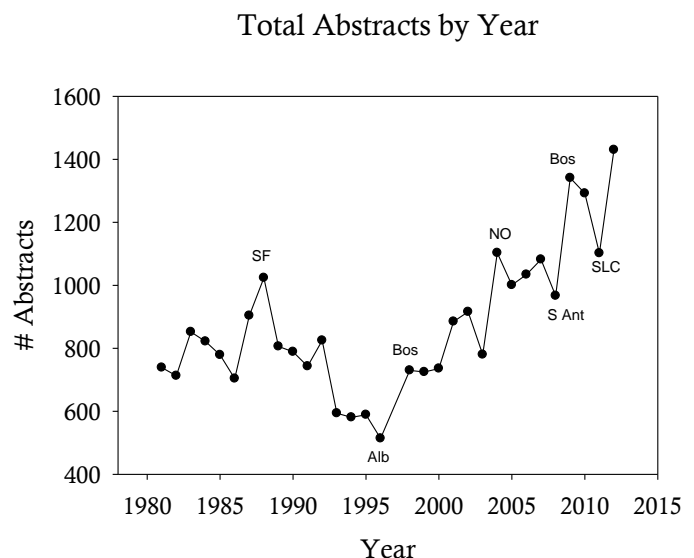
- There are a total of 1431 contributed papers. There are 711 oral presentations in 111 oral presentation sessions and 10 complementary sessions. There are three large poster sessions, one on each day with a total of 615 posters. There are 106 symposium presentations in 10 symposia.
- There is one plenary lecture and 3 special lectures.
- As of 29 Dec 2011 there were 1795 meeting registrations.
- The daily highlights of the meeting were reviewed.

2. There will be a call for symposia for the 2014 Austin, Texas meeting in August 2012. Divisional Chairs should work with their respective divisional Program Officers to develop symposia for this meeting.

3. The students who were Charlotte Mangum Program awardees were located in various local hotels with complementary breakfast.

4. The overall requirements for successful symposia were reviewed.

5. The number of abstracts over recent history of the Society was shown.



- b. Secretary – Lou Burnett
1. The Secretary reported on a number of items associated with the organization and management of the Society ([Appendix 3.Secy.a, Secretary Report](#)).
 2. The newsletter schedule for 2012 was reviewed.
 - a. Spring 2012
 1. Mar 2 - submission due
 2. Mar 26 - review on-line draft
 3. Apr 5 - corrections due
 4. Apr 10 - newsletter goes on-line
 - b. Fall 2012
 1. Oct 8 - submission due
 2. Oct 26 - review on-line draft
 3. Nov 2 - corrections due
 4. Nov 8 - newsletter goes online
 3. The Secretary reminded the committee that SICB elections are held each spring. Society-wide and divisional election schedules are available on-line under Resources > Elections > Election Schedule for SICB and Divisions or <http://www.sicb.org/resources/electionschedule.php3>. The 2012 election schedule appears below.

SICB-Wide Elections in 2012

President-Elect
Program Officer-Elect
Member-At-Large

Divisional Elections in 2012

Division of Animal Behavior	Chair
Division of Comparative Biomechanics	Chair-Elect
Division of Comparative Endocrinology	Program Officer-Elect
Division of Comparative Biochemistry & Physiology	Chair-Elect Program Officer
Division of Evolutionary Developmental Biology	Chair-Elect
Division of Ecology & Evolution	Chair-Elect Program Officer-Elect Secretary-Elect
Division of Invertebrate Zoology	Secretary
Division of Neurobiology	Chair
Division of Phylogenetics & Comparative Biology	none
Division of Vertebrate Morphology	Chair-Elect Program Officer-Elect Secretary-Elect

- a. The Secretary stated that divisional nominating committees should be appointed by divisional chairs in the fall, well ahead of the annual meeting.
 - b. The Secretary indicated that nominating committees may find information on candidates for past offices on the SICB web site under Resources > Elections > Election Candidates for SICB and Divisions or <http://www.sicb.org/resources/electioncandidates.php3>.
 - c. A number of divisions passed amendments to their bylaws last spring to make them conform to the new SICB Bylaw on Best Student Presentation Awards (Article XVI. Awards, Sections 1 and 2). These changes were published on the web.
 - d. Various aspects of the Divisional Best Student Presentation awards were reviewed.
 - 1. The procedures for administering the awards were summarized and they have been posted on the SICB web site under the Resources tab: Resources > Administration, Contacts & Handbooks > Administrative Procedures for Divisional Best Student Presentations.
 - 2. The divisional secretaries were asked to report the results of Best Student Presentation awards to the SICB Secretary **within 2 weeks** after the annual meeting. The results are to be posted on the SICB web site.
- c. Treasurer – Roer - **Treasurer Report**
- 1. The Treasurer reported on the financial status of the Society ([Appendix 3.Treas.a, Treasurer Report](#)).
 - 2. The Treasurer reviewed an executive summary of the Society's investments ([Appendix 3.Treas.b, Summary of Investments](#)).
 - 3. The proposed SICB budget for 2012-2013 was presented by the Finance Committee. Executive Committee members were asked to review the details of the budget before the second Executive Committee meeting on January 7, 2012. At that time there will be further discussion and a vote to approve the budget.
 - 4. It was announced that the annual evaluation of Burk & Associates, Inc. and the SICB Executive Officers will be done electronically after the annual meeting and will involve all 2011 Executive Committee members, SICB committee chairs, and divisional officers. The survey will close on January 31, 2012.

4. Special Reports

- a. National Science Foundation – Jane Silverthorne and William Zamer, Integrative Organismal Systems
 Jane Silverthorne and Bill Zamer were introduced. They noted that Grand Challenges activity has been going on for 3 years and noted that it is remarkably how far these efforts have come.

It was noted that 8 white papers on the subject have been published in the Society's journal *Integrative and Comparative Biology*, some papers have been published in *Bioscience*, and there have been some workshops. SICB has engaged other societies in the process. There was a recent workshop on organismal adaptation at NSF sponsored by the NSF Division of Integrative Organismal Systems, and while not a SICB activity, it covered similar themes. It was noted that there was a recent application to NESCent to support Grand Challenge works. All of this activity has served to stimulate ongoing and productive discussions about the future of organismal biology. NSF encourages the community to continue its discussions. Below is a summary of what NSF has heard from the community so far.

1. There is a general need for bioinformatics expertise and to build capacity for handling bioinformatics information.
2. There is a need to facilitate lowering of intellectual barriers, language barriers and technical barriers between biological sciences (in particular organismal biology) and other disciplines such as math, engineering, computational modeling and visualization. Two symposia at this meeting were cited as examples.
3. There is a need to break down barriers across subdisciplines—a point made from community members at a SICB workshop.
4. There is a need to work on true multi-way intellectual collaborations across subdisciplines and across different disciplines. The context here is that biologists can learn from engineers, for example, not just ask engineers to accomplish a specific aim of a particular project.
5. There is a need to support training across all career stages. This includes mid-career scientists. In fact, NSF recently acted on this! See the new Dear Colleague Letter at: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf12093.
6. There is a need to provide infrastructure, including tools to analyze complex data sets and high-throughput phenotyping tools.

At least some scientific themes from the Grand Challenges of Organismal Biology activities are consistent with national reports (e.g., the National Academy of Sciences): Genomes + Environment influences on Phenotypes; Understanding Organisms in a Changing Environment.

There is a general need to enable community-building to give a sense of a larger community of organismal biologists.

NSF Budgets are uncertain, but in the near-term NSF is considering some things in response to community needs:

1. Mid-Career Fellowships and Training Workshops to build capacity (the Dear Colleague Letter noted above).
2. Research Coordination Networks that lower intellectual barriers.
3. Cyberinfrastructural investments for organismal science.

There is a general need for a Next-Step in community leadership and input to funding agencies to coalesce the community around a few high-priority scientific areas and to have that conversation or communication with the funders about what those areas are. In turn, there is a need to have representatives of the community gain broad-based input from the community about those areas, prioritize the input and

develop a coherent message to the funders. NSF would welcome a prioritized message about a research agenda in organismal biology.

5. Committee Reports

a. Journal, *Integrative and Comparative Biology*

1. Editor Hal Heatwole reported on the status of the journal ([Appendix 5.ICB Editor Report](#))
2. Two divisional representatives (Anna Ahn for DCB and Michael Sears for DEE) were suggested by their respective divisions and nominated by Editor Hal Heatwole for five year terms on the journal's editorial board. Their credentials were presented to the Executive Committee.
The appointments for 2012-2017 were approved by acclamation.
3. The Oxford University Press Publisher's Report was presented to the Executive Committee by Ian Sherman.

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

1. Advisory – Satterlie – report was deferred to the second Executive Committee meeting on Jan 7, 2012.
2. Educational Council – Podolsky ([Appendix 5, Ed Council](#))
3. Membership – Terwilliger – report was deferred to the second Executive Committee meeting on Jan 7, 2012.
4. Nominating – Sower – report was deferred to the second Executive Committee meeting on Jan 7, 2012.
5. Editorial Board, *ICB* – Heatwole (included in Journal Report above)
6. Student/Postdoctoral Affairs – Biga ([Appendix 5, SPDAC](#))
7. Student Support – Oakley – no report
8. Finance Committee – Roer (included in Treasurer Report)
9. Public Affairs – Socha – no report.
10. Program – Tsukimura (included in Program Officer Report)
11. Development – Carrington – report was deferred to the second Executive Committee meeting on Jan 7, 2012.
12. Broadening Participation – Wilga ([Appendix 5, BPC](#))

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

1. Animal Behavior
2. Comparative Biomechanics
3. Comparative Endocrinology
4. Comparative Physiology & Biochemistry – no report
5. Developmental & Cell Biology
6. Evolutionary Developmental Biology
7. Ecology & Evolution
8. Invertebrate Zoology
9. Neurobiology
10. Phylogenetics and Comparative Biology
11. Vertebrate Morphology

7. New Business

- a. **Video concepts.** Sharon Swartz, Chair of DCB, raised an issue brought up by postdoctoral and other members of her division. There is a suggestion that there is a

need to accommodate presentations that require video, especially at poster sessions. This is done by other societies; in particular, the American Physiological Society was mentioned. SICB should pursue this. A number of postdocs in DCB would be willing to help set this up.

8. Recognition of Officers

ADJOURNMENT OF FIRST MEETING AT 5:30 P.M.

Executive Committee Members Present, 7 Jan 2012:

President – Ken Sebens
President-Elect – Billie Swalla
Past President – Richard Satterlie
Secretary – Lou Burnett
Program Officer – Brian Tsukimura
Program Officer-Elect – Jon Harrison
Treasurer – Bob Roer
Member-at-Large – Adam Summers
Member-at-Large – Sally Leys, not present
Member-at-Large – Amy Moran

Divisional Chairs

DAB – Marilyn Ramenofsky
DCB – Sharon Swartz
DCE – Mark Sheridan, not present
DCPB – Jim Hicks, not present but represented by Don Mykles
DEDB – Mark Martindale
DEE – Art Woods
DIZ – Dianna Padilla
DNB – James Murray
DPCB – Patrick O’Connor, not present but represented by Tobin Hieronymus
DVM – Kiisa Nishikawa
Editor-in-Chief, ICB – Harold Heatwole
Student Postdoctoral Affairs Committee Chair – Peggy Biga
Educational Council Chair – Bob Podolsky
Executive Director (*ex officio*) – Brett Burk

Others present:

Emily Carrington – Chair, Development Committee
David Drupa – BAI
Karen Martin – incoming Treasurer-Elect
Ian Sherman – Oxford University Press
Nora Terwilliger – Chair, Membership Committee
Cheryl Wilga – Chair, Committee on Broadening Participation

The second meeting of the SICB Executive Committee was called to order at 7:13 a.m. on January 7, 2012 by President Sebens.

3. c.3.c. Treasurer Report (continued from first meeting)

SICB Budget. Treasurer Bob Roer continued the discussion of the proposed budget.

Projections were given for the additional divisional funds available to each division based on the recent dues increase. These projections were based on current divisional membership numbers. These funds will not affect the overall SICB budget. After brief discussion, the Finance Committee moved the adoption of the 2013 SICB budget.

The 2013 SICB budget was approved by acclamation.

5. Committee Reports (continued from first meeting)

b. Standing Committees

1. Advisory Committee Report. Rich Satterlie, chair of the SICB Advisory Committee, reported that the committee met during the annual meeting and discussed several issues. This is an outline of the issues the committee discussed.

A general question was asked about how large we wish to become as a society (i.e., how many members)? A larger membership will mean larger annual meetings and this may impact the duration of talks making them shorter, decreasing the space between posters at poster sessions. In general, the sense of the committee was we don't need to worry about these issues at this time.

One group was thinking about forming a new division. This came from a talk on bacterial biology. This suggested that it might be important to have satellite meeting to assess the interest of members in a new division.

There was the suggestion that session chairs need to have more guidance. Most important parts of the talks are the questions and session chairs should insure that there is time for this. This is especially important in student talks where they are judged by how they answer sessions. There is already current and written guidance on these issues, but perhaps this needs to be better communicated to session chairs.

3. Membership Report. Committee Chair Nora Terwilliger reported that the committee met during the annual meeting. As of December 2011 SICB had 2,365 members. SICB has not awarded honorary members for some time and this outlet should be used to honor speakers who give plenary lectures. The committee urges the Executive Committee to consider honorary memberships. There are approximately 100 SICB Emeritus Members who became emeritus before 1999 and are not paying annual dues. This group should be contacted to ask specifically for donations to needy funds. The Development Committee should consider this.

4. Nominating Committee. Adam Summers presented the report for the committee. There currently two candidates for each of the Society-wide offices. Peter Wainwright and Brian Tsukimura for President-Elect, Rick Blob and Sherry Tamone for Program Officer-Elect, Michele Nishiguchi and Cheryl Wilga for Member-at-Large.

11. Development Committee. Committee Chair Emily Carrington reported that the committee met during the annual meeting. The Development Committee gained some new members this year, Darwin Jorgenson and Emily Carrington (chair). The committee received some direction from the SICB Executive Officers on areas in need of development: raising funds for the endowments, increasing member donations, and promoting advertising/sponsorship opportunities to industry partners and NGOs.

The committee has targeted as important increasing donations from the membership, especially to the symposium fund, the Grants-in-Aid-of-Research (GIAR) and several named funds including the Bern Fund, the Skinner Fund, the Moore Fund, and the Wenner Fund. The committee also discussed ways to increase the involvement of corporate sponsors and NGO's.

7. New Business.

Post-meeting Survey. An electronic version of the post-meeting survey that was reviewed by the Executive Committee before the annual meeting will be sent to SICB members who attended the annual meeting. The Executive Committee will be given one more chance to suggest changes on the survey before it is sent to those who attended the meeting at the end of January.

Videos at the Meeting. David Drupa gave a brief report on the status of the video recording of two of the sessions at the current meeting. These will be made available to members on the SICB web site in the spring.

Meeting Times. Dianna Padilla brought up the timing of the annual meeting, suggesting that the annual meeting should always fall in part on a weekend to allow members who begin teaching to attend at least a part of the annual meeting. Brett Burk stated that this is no problem from the perspective of the management company. It was suggested that the post-meeting survey should query the members on the importance of this kind of timing.

Database on Field Stations. Dianna Padilla suggested that SICB would be a good place to assemble information on field stations. Organization of Biological Field Stations.

Committee on Broadening Participation. Lou Burnett moved (seconded by Rich Satterlie) that the following changes be made to the bylaws on the name of this committee and its structure based on conversations with Cheryl Wilga, the current chair of the committee. The Executive Committee may propose changes to the bylaws that can then be put on the ballot for a vote by the membership.

Strikethrough = deletion.

Bold underline = addition.

Article XV. Standing Committees

Section 12. ~~Committee on Broadening Participation~~ **Broadening Participation Committee:** The President shall appoint a Committee consisting of **at least** six members, each for a term of three years. The President shall appoint the chair of the Committee. **The term of the Chair shall be**

three years and the Chair will sit on the Executive Committee. The appointment of members of the Committee shall be ordered so that the terms of **one-third of the members** two members shall expire each year. The Committee shall design and promote activities of the Society to increase the diversity of the membership of the Society and of fields of integrative and comparative biology. The Program Officer, the chair of the Student Postdoctoral Affairs Committee, and the President-Elect shall be *ex officio* members of the Committee.

The motion to put this change in bylaws on the spring ballot was approved by acclamation.

Editorial Board Announcements.

1. Data archiving services. Editor Hal Heatwole announced that the Editorial Board considered a number of data repository mechanisms and will encourage authors to consider a number of data archiving services.
2. First right of refusal for symposium papers. Editor Heatwole emphasized that the policy of the first right of refusal is clear and has been clearly communicated to authors despite statements of some authors to the contrary. A new form has been developed to ensure that the authors have read and understand the policies of the journal.

8. Recognition of Officers.

Brian Tsukimura, the outgoing Program Officer was recognized for his diligent service to the Society.

Adjourn. The meeting adjourned at 8:40 a.m.

Appendix 3.Secy.a, Secretary Report

Lou Burnett, Secretary

The items reported here are ones in which the secretary had significant involvement.

Email Contacts and Calendar Updates. The overall organization of the society continued to improve in 2011. The email accounts created last year for the Executive Officers have been expanded. These accounts not only improve efficiency in communication, but facilitate calendar updates and automatic notices. The full list of accounts with email addresses is available on the SICB web site > Resources > Administration, Contacts & Handbooks > SICB Officer and Committee Email Contacts.

Officer and Committee Manuals. Like all societies, the turnover of officers and the training of new officers is an ongoing challenge. SICB has developed some “manuals” for some officers, and they are being updated and expanded. The Secretary will continue to work with Society-wide and Divisional officers over the next few years to update these manuals. Manuals will appear on the SICB web site > Resources > Administration, Contacts & Handbooks > Officer Handbooks and Committees and Other. The following are new or newly revised.

- President Manual
- Divisional Chairs Manual
- Divisional Secretaries Manual
- Member-at-Large Manual
- Membership Committee
- SICB-wide Nominating Committee
- SICB Awards List and Timelines

Bylaws Updates. A number of divisions updated their bylaws. All bylaws proposals were approved in the spring.

Newsletter. The newsletter schedule is published on the agenda. Please put these dates on your calendars. The deadlines are serious. Spring is time for Society-wide and divisional elections. Please make sure your nominating committees have a complete slate of officers and at least two candidates for each position. Divisional secretaries will work with the chairs to provide complete candidate biographies with photos.

Member Updates. We have continued to use SICB Member Updates to provide members with monthly information on the activities of the society. We have also established a better “News and Announcements” feature on the SICB home page. The Secretary is able to add and edit these. These items are normally repeated in the Member Updates and SICB members have been good at reporting newsworthy events.

Executive Officers. The executive officers of the society had significant interaction with each other throughout the year with a total of 39 conference calls and a September planning meeting in Charleston, SC.

Appendix 3.Treas.a - Treasurer Report

Bob Roer, Treasurer

Endowment

In 2002, SICB invested a total of \$779,498 with a professional financial management group under the guidance of Matthew Tederick. On 31 December 2007, the account was worth \$1,160,976. The stock market crash took its toll, and by 31 December 2008 the portfolio had decreased nearly \$300,000 to end the year at \$836,475. The stock market recovery has resulted in a substantial gain in the value of our endowment and, as of 02 December 2011, it was valued at \$1,026,946. Although this represents only a 0.17% gain since this time last year, our benchmark index, the S&P 500 showed a 0.73% gain over the same period. Mr. Tederick has advised us to continue a conservative posture on our investments based upon his concern about potential sovereign and municipal defaults, and we currently hold just over half of our assets in cash and bonds.

Assets, revenues and expenses

The net assets of SICB, as of 30 June 2011, amounted to \$1,611,815.76. This is an improvement compared to 30 June 2010 when net assets totaled \$1,531,053. In addition to the unrealized capital gain, this improvement in our net assets is due to the responsible stewardship of the Society's accounts by the Finance Committee and the efforts of BAI to control the costs of our annual meeting. The result was that the Society ended the fiscal year \$51,759.30 in the black; and that is before the addition of \$116,895.76 in unrealized capital gains.

Realignment of revenue and expenses allowed for better analysis of SICB finances

With the assistance of BAI, we have made the transition that I began last year to bundle the revenues and expenses of the meeting (including the grants for symposia, the divisional budgets that largely support symposia and meeting socials, and that portion of the BAI fees that are directly involved with the meeting organization), and separate them out from the general ledger. This realignment will be reflected in reports on the 2012 budget and in the proposed 2013 budget. Although the report on the 2011 budget did not conform to the new accounting format, the annual meeting in Salt Lake City netted \$19,702.60 after the meeting management fees were deducted.

The dues that were collected in FY 2011 again did not cover the administrative costs associated with the operation of the Society (less the meeting management portion of the BAI fee) to the extent of a \$128K loss this past year. The cost of operating SICB was again brought into the black largely through the revenue we realized from the publication of our journal, *Integrative and Comparative Biology*, which showed a net revenue in excess of \$236K.

Status of named endowments

The restricted endowment funds suffered from a decrease in the level of contributions and the meager return on investments this year. Of particular concern (highlighted below) are the Moore Fund, which does not cover the costs of providing the lecture, the Symposium Fund, which distributed nearly \$17K in FY 2011, and the GIAR fund, which distributed \$26K in grants in FY 2011.

Endowment Fund	FY 2011 Donations	Balance (06/30/2011)	Balance (06/30/2010)
Carl Gans Award	\$170	\$ 35,430.54	\$33,049.94
George Bartholomew Fund	\$535	\$123,883.61	\$111,958.22
Libbie H. Hyman Fund	\$205	\$27,536.77	\$25,253.58
Dwight D. Davis Fund	\$675	\$8,579.46	\$7,210.24
John A. Moore Fund	\$100	\$3,638.31	\$3,377.91
Adrian M. Wenner Fund	\$100	\$9,337.49	\$8,481.93
Dorothy M. Skinner Fund	\$1660	\$9,990.09	\$8,719.78
Symposium Fund	\$165	\$124,817.36	\$114,602.54
Charlotte Mangum Fund	\$425	\$280,092.33	\$267,860.50
GIAR Fund	\$645	\$192,816.02	\$183,594.47
Howard Bern Lecture Fund	\$4,010	\$7,238.75	\$3,765.00
C. Ladd Prosser Fund	\$55	\$29,005.50	\$26,603.47

U Summary of Investments

As of December 2, 2011

Total Account Value
as of 12/2/2011 \$1,026,946

Breakdown of Account	Amount	%
Cash/Bonds	\$364,566	35.50%
Equity Funds	\$662,380	64.50%
	\$1,026,946	100.00%

Market Perspective

S & P 500 Price	YTD
12/15/2010	1235
12/2/2011	1244
	9
Gain/Loss	0.73%

SICB Account	YTD
12/15/2010	\$1,025,210
12/2/2011	\$1,026,946
	\$1,736
Gain/Loss	0.17%

Notes

Comments

Asset Allocation		
Cash	13.21%	Approx. 35% of the portfolio is in Cash or Bonds in an effort to minimize volatility. It should also be noted that in comparison to the S & P Index, 100% of the portfolio would be invested in US Stocks.
US Stocks	50.60%	
Non-US Stocks	11.51%	
Bonds	22.29%	
Other	2.39%	
	100.00%	

Beta: 3 Yr. Portfolio	0.65	<p>Definition of Beta: Beta is a measure of the degree of change in value one can expect in a portfolio given a change in value in a benchmark index (in this case the S&P 500). A portfolio with a beta greater than one is generally more volatile than its benchmark index.</p> <p>Therefore, one can conclude that SICB Portfolio has approx. 35% less volatility than the S &P 500.</p>
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Appendix 5.ICB Editor Report

Integrative and Comparative Biology

Harold Heatwole, Editor

Information on 2011 papers: 80 papers and nine introductory papers were published; six papers were rejected

Also published in 2011: two Grand Challenge papers

In 2006, 52 papers were published

In 2007, 76 papers were published (14 were Respiration Biology papers)

In 2008, 65 papers were published (includes one summary paper)

In 2009, 55 papers were published (includes one summary paper and four introductory papers)

In 2010, 89 papers were published (includes one summary paper and six introductory papers)

2011 Journal Statistics (from Manuscript Central “At-A-Glance Statistics”)

Average time from submission to first decision: 38 days

Average reviewer turn-around time: 22 days

Average time from submission to final decision on revised paper: 60 days

Average time to invite reviewers: 2 days

Total number of pages published in Volume 51: 1017 pages

Total number of pages published in Volume 50: 1199

Information from Catherine Boykin, Production Editor: manuscripts appear on Advance Access approximately four to five weeks after receipt of final materials, depending upon the promptness with which authors return their proofs.

2012 papers:

Deadline 31 January 2012 (to be considered for one free colored figure in printed journal)

Educational Council Report

Bob Podolsky, Chair

The Education Council has worked on several initiatives leading up to our annual meeting in Charleston.

1. The 4th speaker in our John A. Moore Lecture series will be Dr. Brian Alters from Chapman University, founder and director of the Evolution Education Research Center, who will talk about his work on evolution and creationism.
2. We will hold a second annual display of undergraduate posters in the registration area on the day of arrival, to highlight the contributions of students to the society. A total of 59 students have committed to the display (up from 42 last year).
3. We are working to increase the society's ability to organize and provide information on teaching expertise. The first step has involved adding a section for teaching information to each member's information page, and sending out requests for members to provide this information. A next step will be to build a searchable database organized by teaching areas and subareas. We hope this database will be used as an aid to networking and designing teaching-based workshops, symposia components, and Grand Challenges efforts.
4. As a representative of SICB I attended a NRC/NAS-sponsored convocation on "Evolution Education across the Life-Sciences." Ideas presented at the convocation are leading the Council (a) to propose working on a mission statement for SICB—a collection of disparate divisions each with their own "missions"—based around the common organizing principle of evolution, and (b) to propose a first "Teaching and Learning X" workshop focused on infusing evolution education into all aspects of introductory biology.
5. The Council hopes to begin providing logistical and some financial support to symposia in San Francisco that include a significant education component. (6) I want to acknowledge the efforts of David Tapley and Nancy Staub, whose terms on the Education Council are ending this year.
6. The Council was asked by the Executive Officers to revive the "Excellence in Innovation in Science Education Award" that has not been presented since 2004. There were logistical issues associated with executing this for the 2012 meeting.

Student/Postdoctoral Affairs Committee Report

Peggy Biga, Chair

SPDAC put together a ‘tips’ sheet called ‘Notes from the Above Ground’ that is meant to aid our younger and novice meeting attendees. This tips sheet was posted on the meeting website, emailed to students, and will be available in print form at the orientation meeting for any students that might want a copy. This year at the orientation meeting, we will give instructions for the student workers first and then a short intro into meeting etiquette. The committee hopes to get feedback from the students and postdocs about the usefulness of this document. We plan to update and improve this tips sheet for each meeting.

We hosted a workshop on job applications and interviews. We introduced dos and don’ts in *curricula vitae* and other job application materials. In addition, we had break out sessions for specific academic level job entry, as well as hosted several mock interviews. Several panelists were present to offer their expertise and advise, as well as serving as mock interviewers: Dr. Steve Kajiura, Florida Atlantic University; Dr. Heidy Contreras, University of La Verne, Dr. Tomasz Owerkowicz, CSU-San Bernadino, Dr. John Eme, University of North Texas, Dr. Marianne Porter, Vassar College, Dr. Tim Bradley, UC-Irvine, Jacob Musser, and Abigail Cahill. We had 78 participants and 4 major break out groups.

The SPDAC business meeting was held on Saturday January 7 at noon. We discussed ideas for next year’s workshop, setting up a facebook page, and having daily themes at the student/postdoc booth in San Francisco. The student/postdocs have excellent ideas and are very enthusiastic to do many things. During the upcoming year, we plan to post resources on the SICB website, such as tips sheets for preparing a cv, etc. In addition, the committee feels strongly about hosting or co-hosting a workshop on teaching. We will ask for faculty participation at the booth, and at some point will pass along a sign up sheet for full members to devote/donate 30 minutes or an hour of their time (anytime from 1-4 pm on the 3 days we have the booth) to mingle with the students and postdocs, as well as offer advise on the daily topics. Further information will be passed along as more conversations are had.

The SPDAC was given the charge to reevaluate the careers page of the SICB website. I have had several people send me comments and these will be discussed at the SPDAC committee meeting again this year and passed along back to the exec committee.

Committee on Broadening Participation Report

Cheryl Wilga, Chair

Committee Members: Jennifer Burnaford, Nora Espinoza, Scottie Henderson, Michele Nishiguchi, and Ex-Officio members Billie Swalla, Jon Harrison, Peggy Biga.

First, we would like to welcome our new member, Jennifer Burnaford, as well as our ex-officio members Billie Swalla, Brian Tsukimura, and Jon Harrison. We would also like to thank Joan Edwards and Denise Dearing for their past work on the committee, it was much appreciated.

Michele Nishiguchi, Brian Tsukimura, and Cheryl Wilga attended an invitation-only Broadening Participation Workshop sponsored by NSF Division of Integrative Organismal Systems (IOS) from Oct. 16-18. The workshop was facilitated by a team from Knowinnovaton, an organization that specializes in academic innovation workshops. The Knowinnovation team created a stimulating environment that allowed us to think creatively about how to broaden participation in scientific societies, by keeping SICB objectives specifically in mind. As a result, we are working on a specific NSF sponsored RFA targeted for scientific societies such



Brian, Cheryl and Nish at grant writing retreat.

as SICB to fund our goal of increasing participation of underrepresented groups in SICB. This proposal will be submitted to the NSF in March. We are particularly interested in assessing why decreases in membership occur between graduate and postdoctoral levels as well as postdoctoral and assistant professor members, and what measures we can apply to maintain or increase those levels. We are also interested in learning why SICB is good at attracting and retaining Asian members, but not other underrepresented groups. If you have any insight or thoughts that can help us address these issues, please email Cheryl (cwilga@uri.edu), Nish (nish@nmsu.edu), or Brian (briant@csufresno.edu), or find us at the annual meeting in Charleston. Your ideas and thoughts will be invaluable in writing our grant proposal and may lead to funded activities that will benefit everyone in the society. Nish, Brian and Cheryl will stay another day after the annual meeting in 2012 to start work on the grant.

Travel Awards. 41 SICB members applied for the travel award and we were able to fund 22 of them with a total of \$10,414 (14 graduate students and 8 postdocs/asst profs with a maximum of \$500 per request). Nine topics of the application were scored: member level (postdoc and asst profs scored higher since membership is low), underrepresented group (scored higher), gender (women scored higher), career goals (fields within the scope of SICB scored higher), first time at SICB (scored higher), and four written items that are scored the same: two challenges that scientists/students face as members of underrepresented groups, workshop topics, how attending SICB will advance professional development, and one letter of recommendation (things that broaden representation within SICB or are within the scope of SICB score higher).

A mentor-mentee meeting scheduled for the first day of the meeting was organized to discuss matching SICB members who want to be a mentor or who wants a mentor (mentee) and what they want out of that relationship. This is part of a longer term process to increase retention in SICB of underrepresented groups.

The Broadening Participation Committee sponsors two workshops at each annual SICB meeting, based on suggestions from previous years Broadening Participation Travel Award applicants. The workshops that the BPC will be sponsoring at the 2012 annual meeting are: “Demystifying the Grant Process” hosted by the NSF and “Science is a Two-way Street: Mentorship and the Mentee” hosted by Michele Nishiguchi. The Broadening Participation Travel Award call for applications has gone out and we have many applications that are currently in review. We hope to have decisions on awards by mid-November. Travel Awards will be given to recipients at the Broadening Participation Social during the annual meeting. So, be sure to come to the social and enjoy the refreshments while you chat with your SICB colleagues. 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 2012 Meeting in Charleston:

1. Mentor-Mentee meeting organized by Cheryl Wilga. Jan 3rd, 6:30-7:30pm in the Wando room with horse devours.
2. Committee on Broadening Participation meeting, Wednesday Jan 4, 7-8 am in the Executive Board Room.
3. Workshop - “Science is a Two-way Street: Mentorship and the Mentee” organized by Michele Nishiguchi, Jan. 4, Noon -1:00 pm in Ballroom C3.
4. Workshop - “Demystifying the Grant Process” hosted by Cheryl Wilga and organized by NSF program officers, Friday Jan. 6, Noon – 1:00 pm in Room 3.
5. Diversity Social hosted by Cheryl Wilga and the BPC on Jan. 6 at 8 – 10 pm in Room 3.

Division of Animal Behavior (DAB)

Chair: Marilyn Ramenofsky
Secretary: Jordanna Sprayberry
Program Officer: Allison Welch
Student/Postdoc Representative: Justin Henningsen

Division Posts: In January 2011, Sarah C. Humfeld (U of Missouri) stepped down from her 6 years of service as Program Officer and was replaced by Alison Welch (College of Charleston). Zachary Stahlschmidt (Arizona State University) completed his term as Grad Student/Post Doc Representative as Justin Henningsen (U Massachusetts Amherst) took over. At the end of the January meeting, Melissa Bowlin (U Michigan Dearborn) will replace Jordanna Sprayberry (Muhlenberg College) as Secretary.

Meeting statistics, current and future symposia:

2011 Salt Lake City: Alison Welch reported on the strong showing of the DAB at the meeting with the following information. Of the 1400 registrants, 26% listed DAB as an area of interest. Five of the 11 symposia were cosponsored by DAB along with 10 contributed sessions and 8 subdivisions of the poster contributions were behaviorally based.

2012 Charleston:

The finalized program for the meeting indicates a record-breaking number of abstracts portending a large and exciting turnout. In the 13 behavior sessions, we have 70 oral presentations and 57 posters. Also, 52 presentations were made in other sessions by authors with DAB as the primary affiliation or membership in the Animal Behavior Society (ABS). In the DAB Best Student Paper Competitions (oral and poster), 56 students have entered.

The DAB will co-sponsor two society-wide and two regular symposia:

Society-wide Symposium: (1) *The Impacts of Developmental Plasticity on Evolutionary Innovation and Diversification*, Matthew Wund, Armin Moczek, organizers, (2) *Novel Methods for the Analysis of Animal Movement: Spatial and Temporal Structure Across Scale*, Douglas Altshuler, Michael Dickinson, Andrew Straw, organizers.

Regular Symposium: (1) *Mangrove 'Killifish': an Exemplar of Integrative Biology*, Edward Orlando, Ryan Earley, Brian Ring, David Bechler, organizers, (2) *New Frontiers from Marine Snakes to Marine Ecosystems*, Harvey Lillywhite, Francois Brischoux, organizers

2013 San Francisco:

Looking forward, the DAB will co-sponsor three society-wide and three regular symposia:

Society-wide Symposium: (1) *When Predators Attack: Sensing and Motion in Predator-Prey Interactions*, Matt McHenry, Stacy Combes, organizers, (2) *Vertebrate Land Invasions: Past, Present, and Future*, Alice Gibb, Miriam Ashley-Ross, Richard Blob, Tonia Hsieh organizers, (3) *Phenotypic Plasticity and the Evolution of Gender Roles*, Janet Leonard, organizer

Regular Symposium: (1) *Coping with Uncertainty: Integrating Physiology, Behavior and Evolutionary Ecology in a Changing World*, Zoltan Nemeth, Frances Bonier, Scott MacDougall-Shackleton, organizers, (2) *Understanding First Order Phenotypes: Transcriptomics for*

Emerging Model Systems, Suzy Renn, Antónia Monteiro, Arkhat Abzhanov, organizers on behalf of the EDEN RCN (<http://edenrcn.com>), (3) *Hormone-mediated Sex Ratio Adjustment in Vertebrates*, Kristen Navara, organizer.

2011 DAB Awards:

Best student Presentation Award was split between Erica Westerman and Nathan Putman. Erica is a PhD Candidate in Ecology and Evolutionary Biology at Yale University studying the mating behavior and mate choice in the butterfly *Bicyclus anyana*. Nathan is a PhD student at University of North Carolina Chapel Hill working on long distance migration and orientation of marine turtles. Nathan's work was featured as one of the Top News Stories on National Public Radio (NPR) March 12, 2011 program *For Turtles, Earth's Magnetism Is A Built-In GPS* (<http://wap.npr.org/news/front/134175104>). The Poster Presentation Winner was Stefan Greif, who studies in the PhD Program at the Max-Planck-Institut Für Ornithologie Seewiesen, Germany, working on the sensory ecology of echolocating bats.

2011 DAB Business Meeting Review and Beyond:

Article VII Sections 1 and 2 of the DAB Bylaws were updated to be consistent with the society-wide bylaws. Also, an additional student presentation award was established. The Adrian M. Wenner Strong Inference Award will be presented for the first time at the 2012 to a graduate student or recently completed PhD in the Divisions of Animal Behavior, Ecology and Evolution and Invertebrate Zoology for work presented at the annual meeting demonstrating a strong inference approach in experimental design and execution. The Division Executive Committee will serve as judges.

Two NSF representatives, John Wingfield, Director of IOS, and Michelle Elekonich, Program Officer for Behavioral Systems, joined the meeting to report on the Division and answered questions about funding and new additions to the grant proposals. In 2010, NSF received 215 proposals and funded 26 (approx. 12%). Of the 74 DIG applications submitted 18 (approx 24%) were funded. The 2011 budget has not been announced, but it was assumed to be about 85% of last year's budget. For those animal behavior investigations that have a significant neuroscience component, it was mentioned that neural systems had a slightly higher funding rate (approx. 17-18%). The funding climate has been, and will continue to be, very competitive.

And as of July 2011, NSF instituted a new cycle for grant proposal submission to the IOS. Please see Program Solicitation NSF 11-572 for complete information on this.

The Charleston DAB Business Meeting is scheduled for Wednesday, January 4 at 5:15pm followed by a joint DAB/DNB social from 6:00-7:30pm.

Division of Comparative Biomechanics (DCB)

Sharon Swartz, Chair

Meetings

Our student competition in 2011 was overseen by Jake Socha, and the paper prize was given jointly to Nicole George of the University of Washington, for ‘Molecular and structural evidence for temperature dependent elastic energy storage in *Manduca sexta*’, a paper co-authored with H. M. Hsu, T. C. Irving, and T. L. Daniel, and Thomas Libby from UC-Berkeley, for ‘Active Muscle Enhances Rapid Perturbation Recovery in an Insect Limb’, co-authored with R. J. Full. The best poster, ‘Metabolic cost of transport in grass-cutting ants depends on load shape’, was presented by Karin Moll, University of Cambridge, for work carried out with colleagues W. Federle and F. Roces. We were fortunate to have many volunteers for the best paper and poster judging processes; even more than we had students in the competition! Jake has generously agreed to oversee our student competition again this year.

We supported three symposia in 2011, “Bioinspiration: Applying Mechanical Design to Experimental Biology” organized by Brooke Flammang and Marianne Porter, “The Biomechanics and Behavior of Gliding Flight” organized by Robert Dudley, and “I’ve Got Rhythm: Neuronal Mechanisms of Central Pattern Generators” organized by Duane McPherson.

In 2012, we are supporting “Novel methods for the analysis of animal movement: spatial and temporal structure across scale”, organized by Doug Altshuler and Michael Dickinson, and “Combining experiments with modeling and computational methods to study animal locomotion”, organized by Laura Miller and Silas Alben.

Elections

This year, our Division welcomed our new chair-elect Mark Denny, who will join the Executive Committee in Charleston. This spring, we held elections for both our Secretary and Program Officer positions, as both Miriam Ashley Ross and Steve Deban are preparing to step down after their service to the division. Bill Kier, Shiela Patek, and Jeff Walker served as our Nominating Committee. Tim Higham, from the Department of Biology, University of California-Riverside, was elected as our new Secretary, and Laura Miller, from the Department of Mathematics, University of North Carolina, will be our Program Officer.

Carl Gans Award

It was a special treat for the Division to award the inaugural Carl Gans Award at the Salt Lake City meeting to Dr. Rita Mehta, Assistant Professor in the Department of Ecology and Evolution at the University of California, Santa Cruz and the Long Marine Laboratory. We appointed a Gans Award Committee to solicit nominations for the 2011 competition, chaired by Emily Carrington, University of Washington. The committee will award the 2011 Gans Award to Dr. Kelly Dorgan, Scripps Institution of Oceanography, at the Divisional Business Meeting at the Charleston meeting.

DCB Website

Our Divisional website is undergoing reorganization, reconstruction and renovation, led by our new Secretary, Tim Higham.

Call for discussion about multimedia content at SICB

Several postdocs have brought an interest in highlighting scientific and educational multimedia content at SICB to the division. We have begun discussions concerning how best these interests might be met within the format and constraints of the SICB meetings, and have agreed to bring the topic up for discussion at an Executive Committee Meeting and at our Divisional Meeting.

Division of Comparative Endocrinology (DCE)

Mark Sheridan, DCE Chair

1. We are pleased to announce that Professor Lynn M. Riddiford, Howard Hughes Medical Institute, will be presenting the Howard A. Bern Lecture. The title of her presentation is “How Does Juvenile Hormone Regulate Insect Metamorphosis and Reproduction?”
2. The Bern Lecture Endowment Fund was established in 2010. So far we have received contributions totaling \$7590.
3. We have 87 contributed papers/posters this year. We are co-sponsoring the society-wide symposium entitled “The Impacts of Developmental Plasticity on Evolutionary Innovation and Diversification” DCE member are also conducting a biostatistics workshop entitled “Survival Analysis: Not just for survival anymore”
4. There are about 48 students participating in the DCE Best Paper competitions (oral and poster). Dr. Joe Castro, Illinois St. Univ., is chair of the judging committee.
5. The division membership passed bylaw changes that included approving the naming of the best poster award as the “**Lynn Riddiford Award**.” The best oral presentation award has been named the “**Aubrey Gorbman Award**” for many years.
6. *General and Comparative Endocrinology* is celebrated its 50th anniversary in 2011 with a year-long series of special issues and anniversary reviews. The journal has been affiliated with SICB (formerly ASZ)/ DCE since its inception.
7. DCE co-sponsored the inaugural meeting of the North American Society of Comparative Endocrinology held July 13-16, 2011 in Ann Arbor, MI. There were over 330 attendees and 234 abstracts. The program consisted of 20 symposia, seven plenary lecturers, and seven workshops/panels. The next meeting will be held at the Universidad Nacional Autónoma de México (UNAM), Campus UNAM-Juriquilla, Querétaro, Mexico in 2013
8. Upcoming endocrine-related meetings include the following:
 - 10th International Symposium on Avian Endocrinology, Gifu, Japan. June 5-9, 2012 <http://www.isae2012.org/>
 - Society for Behavioral Neuroendocrinology, Madison, WI, June 15-18, 2012
 - Endocrine Society Meeting, Houston, TX, June 23-26, 2012
 - 10th International Congress on the Biology of Fish, Madison, WI, July 15-19, 2012
 - 7th International Symposium on Fish Endocrinology, Buenos Aires, Argentina. September 3-6, 2012
 - 17th International Congress of Comparative Endocrinology, Barcelona, Spain. July 15-19, 2013

Division of Evolutionary Developmental Biology (DEDB)

Mark Q. Martindale, Chair

-82 contributed papers for Evo-Devo at this years meeting.

-our 'integrative' presence has resulted in sponsoring or co sponsoring FIVE symposia (thanks to our outgoing Secretary, Pat Hernandez!!)

-The Impacts of Developmental Plasticity on Evolutionary Innovation and Diversification

-Dispersal of marine organisms

-Poecilogony as a window on larval evolution: Polymorphism of developmental mode within marine invertebrate species

-EvoDevo Rides the Genomics Express

-Mangrove 'Killifish': an Exemplar of Integrative Biology

-held Spring elections and are proud to have:

Program Officer-Elect Louise Page from the University of Victoria

Secretary-Elect Brad Davidson from the Univ. of Arizona

-Glad to welcome our new student representative, Jacob Musser (Yale Univ) who has been proactive in the student community. He and our Secretary (Mike Shapiro, Univ. Utah) have instituted a new **"Dinner Dates"** where DEDB faculty have offered to take 1-2 students out to dinner and answer questions and talk about projects and career advice etc. We had 19 faculty sign up for the first time at this meeting. Jacob has also been instrumental in organizing the Society wide workshops in applying for jobs/interviewing skills.

-Point for Discussion:

I have been contacted by the European Society for Evolutionary Developmental Biology. They are having a meeting in Portugal in July of 2012 and contacted us for support (read: possible financial assistance..). We would like to support our comrades across the pond, but do not know what our options are or whether there is/is not a precedent for this kind of thing.

-Goals for next year:

In discussion with incoming Chair, and current Officers, we are hoping to increase membership of the Division, utilize electronic/social networking to spread information,

increase the number of P.I.s contributing to our ‘Research Base’, and come out strong for our net meeting in S.F. We are also on record as bding VERY CONCERNED with changes in the NSF. These issues will be discussed on our business meeting with a NSF representative, Anne Maglia, (PhD., Program Director - Division of Biological Infrastructure)

Division of Ecology and Evolution (DEE)

Art Woods, Chair

January 7, 2012

Officers there: Aaron Krochmal, Mike Sears, Mike Angilletta, Abigail Cahill. + about 10 – 15 other people.

My overall goal: revive DEE so that it plays a more central and vibrant role (social & intellectual) at the meetings, consistent with its large and diverse membership.

1. **Ways to grow the pool of DEE participants.** The three general strategies are:
 - a. Increase participation in the division by getting folks who are already members to be more involved. This approach is good because it should involve less overall effort and it ‘just’ requires energizing people who are already nominally committed to DEE.
 - b. Increase participation by convincing people in other divisions that DEE would make a better home for them. Not as good—we don’t want to undermine other divisions.
 - c. Recruit people from outside SICB. The three target groups identified are plant physiological ecologists, microbial ecologists, and marine ecologists. This is the most appealing of the routes, and could potentially have the largest impact on how DEE functions. In the business meeting, and in talks with other people during the meeting, I identified several ways to go about this:
 - i. Have DEE support a targeted set of symposia, spread out over the next 3 – 4 years, which bring in big-name people in each of these areas, preferably with one of them as organizer. The discussion in the business meeting centered on the balancing act that we need to pull off: between encouraging expansion into new areas versus not reaching so far afield that we fail. For example, I initially advocated trying to get plant physiologists to come, but it was pointed out to me most of these folks already have their own meetings (e.g., ESA) from which it would be very difficult to pry them. We’d have better success by encouraging people to come who work on plant-animal interactions, leveraging the pre-existing animal bias at the meetings. Probably ditto for microbial ecology—focus on interface between microbes and metazoans would be smart.
 - ii. Coordinate to have SICB mini-meetings associated with regional meetings of other societies—e.g., the regional ESA meetings. Brett Burke mentioned this one to me, and he said to get ahold of him if we’re interested. They can help facilitate this.

- iii. Advertise with other societies—set up a booth at Ecology and at Evolution.
- iv. Use the idea of expanding into new areas as a tool for obtaining support from NSF for symposia.

Art's discussion: In terms of combined feasibility and effectiveness, I think option (i) is the best. Option (ii) sounds grand but I think would take a ton of work to set up. Option (iii) sounds OK, and I'll explore this one with Brett Burke. So I'd propose assigning Mike S to be the spear-head on option (i), with input from the rest of us. We'll allocate our new dues money to this too (see #4 below)

2. **Better communication with DEE members (and non-members).** At the business meeting, we talked a bit about the newsletter, which currently goes out twice each year. Although we've done a good job of juicing up the newsletter, it was distressing to hear, especially from the students, that they don't really read it. Possible ways forward:
 - a. Put out more frequent emails to members. These emails contain shorter bits of information (not Newsletter length) and links to the DEE part of the SICB website, pointing especially toward highlights of recent DEE-ish papers. This would have the benefit also of creating a more dynamic DEE space on the website. Would need find papers (esp. from students) and create a mechanism for highlighting them.
 - b. Revamp the DEE section of the website. Apparently we have broad discretion to set this up however we like. The main thing, however, is to get rid of old information and put in the new—possibly also cleaning it up and simplifying. We need to identify what needs doing and then pass our requests to Rudi, who will implement.
 - c. Get DEE members to contribute to both the research database and the teaching database. Also have older profiles updated. Probably include these requests as part of the more frequent emails that go out.

Art's discussion: I like all of these ideas and think we should go for it. Overall, I'd like to assign Aaron to these tasks. A few thoughts. On emails, I don't think we should send them out on a set schedule—rather, we should aim for 8 – 10 emails per year, written by either me or Aaron or Mike, depending on what the topic is. It would help for *all* of us to take a look next week at the DEE portion of the website (<http://www.sicb.org/divisions/dee.php3>) and to make suggestions to Aaron for redesign. Take a broad view. Aaron, can you coordinate this stuff?

3. **Establish a nominating committee** and find candidates for secretary for the spring 2012 elections. There is an issue about whether we also elect new Chair and new PO this

spring. Technically we're supposed to do it; but last year we discussed separating the elections into different years, so that we don't have to do all three at once. I like this better and would prefer to put off electing new Chair and PO til Spring 2013. Need to make sure this is consistent with our bylaws (Lou said yes this was fine as long as the bylaws reflect it). I already talked to Michael Dillon about the secretary position. He's interested and it sounds like would be willing to run; I think he'd be great.

Art's discussion: I'd propose that we establish a nominating committee that will deal both with the secretary position this year and the two others next year. Let's make the committee up with current folks (me, Mike S, Aaron, Abigail, plus one outside member to be determined). Any suggestions?

4. Decide how to allocate the \$1,500 in dues that will be coming to DEE in June 2012.

The possibilities are

- a. Develop a program to administer a small competitive-grants competition for students and postdocs, to support expenses from research or from research-related travel (like to field sites or research stations)
- b. Pool it with the \$2,000 yearly allotment we get to support symposia generally. This is the path of least resistance and would be useful.
- c. Use it to support advertising (e.g., booth) at other meetings. This is probably the path of highest resistance, in the sense that it would be most difficult and would require the most input from us.
- d. Use it to push along the idea of targeted symposia (see point 1.c above).

Art's discussion: I strongly prefer the last option. This is linked to my prioritizing the targeted symposia: if we're going to do that, then we need to put our money there too. The only other alternative would be to ask the Executive Committee for a special allocation over the course of several years. But my guess is that they will say 'that's what the dues allocation is for.' The first option (student support) is a good one, but I feel that it wouldn't advance the overall goal as much of supporting new kinds of symposia. Also, it would require setting up a mechanism for the competitive requests process, which doesn't sound appealing. However, I do think this should be a longer-term goal, especially if we can find other ways of generating money (see next item).

5. Find other ways to generate more money. Obviously, we can do more if we have more.

For example, we could establish a special fund for supporting DEE student researchers (see previous item), with funds disbursed via a competitive process. If it were a named fund, we could ask current and former DEE members for contributions to it, and could conceivably, over several years, build up a nice pot of money. Other possibilities include starting an auction much like the one DIZ does (or maybe we could even join in their auction?).

Art's discussion: I prefer this mechanism of supporting students to the possibility of using the \$1,500 dues allocation for this [those dues I would prefer to use on targeted symposia]. However, it also feels like it might take some significant time to build up a fund for supporting students. I'll contact Brett Burke and maybe also the executive committee to find out what it would take to establish a fund. And we'll have to figure out to get people to contribute to it. This could include sweet-talking potential big donors, or always including requests in the emails and on the web page.

6. **Establish a DEE-sponsored named lecture.** The example here is the Bartholomew Award. My feeling is that the Bart provides a really powerful way of focusing people on DCPB (although you could also see it as a reflection of the pre-existing strength of DCPB). We would aim to support a talk of equal magnitude, but one that focuses more on ecological and evolutionary issues. The issues are several. First, we'd need at a minimum \$3,000 per year to cover all the travel, registration, and hotel costs for the speaker + some award money. Second, we'd probably want a fund dedicated to this. It would need to have > \$3,000 in it so that we're not scrambling every single year to secure funds. Ideally this fund would be an endowment, but that would require probably between 50 & 100K, which seems unrealistic, unless we could find a really big donor. Another possibility is to find a corporate sponsor for it, much like Sable Systems sponsors the Bart Award. The second issue is that the meeting already has a lot of named lectures, and the niche space may be largely filled up. We could (and probably should) just take the attitude that 'we don't care; we're just going to do it anyway.' The name that we tossed around was Ray Huey, which I think would be great.

Art's discussion: I like this idea a lot but see it as something to implement over the long-term. I will talk to the Bart folks about how their award is supported and administered; and while I'm asking about how to set up a student support fund, I'll find out how we could, in principle, set up a talk fund too.

7. **Convince more people to come to the DEE business meeting.** It would help to have more bodies in the room. Do this by:
 - a. Emailing everyone in DEE right before the meeting, reminding them of when and where it's going to happen, and especially encouraging students to come (pointing out that it's not about spreadsheets and numbers so much).
 - b. Holding the meeting just before the DEE social. There was some disagreement with this idea: because the socials are for multiple divisions simultaneously, that would require having lots of business meetings simultaneously, which would prevent folks from attending multiple meetings. However, I think the benefits of this would outweigh the costs—most people probably don't go to multiple meetings anyway, and if we can get more folks to come that's great.

Art's discussion: I like both of these options and think we should implement them right away. I will be in charge of this, making sure that an email goes out before next year's meeting. Also, I'll work with Jon Harrison (incoming society-wide PO) and Aaron to try out option b next year.

Overall prioritization:

1. Establish nominating committee and get candidates for Secretary for spring [high priority simply because we're pressed for time]
2. Grow the pool of DEE participants, focusing primarily on targeted symposia to groups whose interests are related but tangential to what happens in current symposia. The most likely groups are ecologists and evolutionary biologists with significant organismal components in their work.
3. Communicate better with DEE members. This includes revamping the DEE website, encouraging DEE members to contribute to the researcher and teaching databases, and implementing a process for sending out short but relatively frequent emails.

The remaining items I would deem 'lower priority', but many of them still are important; see my relative prioritization of them in the Discussion points above.

Division of Invertebrate Zoology (DIZ)

Dianna K Padilla, Chair

At the annual meeting in Salt Lake DIZ co-sponsored five well-attended symposia: Bioinspiration and Mechanical Design, Speciation in Marine Organisms, Environmentally Induced Hatching across Taxa, and Population Dynamics in Crustacea. The papers from each of these symposia are being published in our journal, Integrative and Comparative Biology. DIZ also was a prominent contributor to the workshop on Grand Challenges in Organismal Biology.

Beth Davis-Berg took over the role of organizing the judging for the Best Student presentation and poster awards, and will continue this effort in 2012.

The best presentations award winners and Runner up awardees for DIZ at the 2011 meeting were:

Oral Presentation

Best presentation - Jamie Baldwin Fergus. When love is blind: Vision constrained by molting during mating in the female blue crab.

Runner up - Diego Castro. Plasticity in the design and attachment strength of egg mass tethers in response to variation in water motion.

Poster presentation

Best presentation - Jeanette Hofstee. Simplified velar ciliation in non-feeding larvae of *Littorina*."

Runner up - Maria Mazzillo Mays. Mucilage variation among *Symbiodinium* strains.

Adrian M. Wenner Strong Inference Award

Winner - (Anne) Frances Armstrong. Environmentally induced twinning in echinoderm embryos and its effects on larval development.

Runner up - Maria Mazzillo Mays: Mucilage variation among *Symbiodinium* strains.

We are sponsoring 7 symposia at our meeting in Charleston in January 2012, covering developmental plasticity, barnacles, movement and locomotion, evo-devo, larval polymorphisms in development, and a symposium on larval dispersal that will be a tribute honoring Mary Rice.

Due to the efforts of the DIZ membership, Divisions will now see a discretionary budget. Although it was requested, at the time of this report we do not have an estimate of how large that budget will be. Hopefully we will have some idea by the time of our business meeting so that we can plan the most effective ways of using those funds.

Jennifer Burnaford was appointed Chair of the Libbie Hyman Fellowship Award Committee. Her fellow committee members are Will Jaekle and John Zardus. Each member of the committee will now serve a three-year term. Will Haeckle will rotate off this year, and John Zardus the next. Each member, and the Chair, may be reappointed to a new term at the discretion of the DIZ Chair and with agreement of the Committee Chair. Plans have begun for an auction to raise funds for this fellowship at the 2013 meeting in San Francisco. Efforts are still underway to

determine the history of the accounting for this fund, and we are making a request to have transparent bookkeeping provided to the division for this fund in the future. We were contacted by a relative of Dr. Hyman. She made a generous contribution to the fund. We will keep her informed about the fund and awardees in the future.

The 2011 Libby Hyman Award was \$1100, and was awarded to Nathan Farrar, Department of Biological Sciences, University of Alberta. Nathan used this award to support his participation in a 5-week course on Evolution and Development of the Metazoans' at the University of Washington's Friday Harbor Laboratories. For his Ph.D. work, Nathan is using sponges as models to study the evolution of early animal body plans.

In January 2011 a nominating committee was selected to find candidates for the Chair of DIZ. Our nominating committee included Ben Miner (Chair), Bruno Pernet and Amy Moran. We had two great candidates, Jim McClintock and Ken Halanych. Jim McClintock was elected and will become Chair of DIZ at the end of this meeting.

Karen Chan was appointed the DIZ representative to the Student/Postdoctoral Affairs Committee.

Due to several requests from the membership of DIZ, I would like to add two things to the executive meeting.

Frist is the timing of our annual meeting. The annual meeting is now early in January. As a consequence, it falls of the first week of the winter term for many colleges and universities. Although it can be possible to find substitutes to cover courses in the middle of the term, for most, especially those at small colleges who must also teach labs, it is not possible to miss the first week of class. If, however, the scientific program of the meeting always covered a weekend (Saturday and Sunday, and preferably Friday), more members would be able to attend the meeting and maintain activity with the society. More students would also likely be able to attend as course conflicts and TA conflicts would be reduced. In addition, it would mean that all meetings would fall over a Saturday night, reducing air costs for those traveling to the meeting. On behalf of the membership of DIZ I would like to move that the scientific program of our annual meeting always include weekend days.

The second request from the DIZ membership is that SICB have as part of its web site a list of, and links to, field stations and labs.

Division of Neurobiology (DNB)

James A. Murray, Chair

1. Presentations related to neurobiology (i.e., organized as Neurobiology sessions) total 77, with 32 as talks and 45 as posters. Thanks to Duane McPherson for organizing the program.
2. We have spread our support over 4 symposia this year:
 - [*Novel methods for the analysis of animal movement: spatial and temporal structure across scale*](#) - Organizer D. Altshuler, supported by DAB, DCB, DCPB, DEE, DIZ, DNB, & DVM.
 - [*New Frontiers from Marine Snakes to Marine Ecosystems*](#) - Organizer H. Lillywhite and F. Brischoux, supported by DAB, DCPB, DNB, DESB, & DVM.
 - [*Combining experiments with modeling and computational methods to study animal locomotion*](#) - Organizers L. Miller & S. Alben supported by DCB, DEE, DIZ, DNB, & DVM.
 - [*EvoDevo Rides the Genomics Express*](#) - Organizer B. Swalla, supported by DCE, DEE, DIZ, DNB, DESB, & DVM.
3. We have 22 volunteers to judge DNB best student presentations.
4. We have a new secretary starting after this meeting, Lisa Mangiamele. Thanks to Tom Pirtle for his long service as secretary to DNB.
5. The 10th Annual International Congress of Neuroethology will be held at the University of Maryland, College Park, August 5th-10th. The meeting is associated with the International Society for Neuroethology.
6. A graduate course in neuroethology is offered at Friday Harbor Laboratories, Friday Harbor, Washington. June 18 -- July 20, 2012, and the application deadline is Feb 1st.

Division of Phylogenetics and Comparative Biology (DPCB)

Patrick O'Connor, Chair

The 2012 meeting in Charleston will be the inaugural meeting in which the division formerly known as the SICB Division of Systematic and Evolutionary Biology (DSEB) will formally be referred to as the **Division of Phylogenetics and Comparative Biology (DPCB)**. DPCB officers worked to draft a proposal that was voted on during the spring elections. Thanks to those division members who championed the cause for instituting a division name that better reflects the primary activities of many researchers in our division...and no doubt many others among the SICB membership more generally.

The following excerpt from the Spring 2011 divisional newsletter provides the rationale for the divisional name change:

*...After a series of discussions at the annual business meeting in each of the last two years and during intermittent email exchanges among several division members, we are proposing to change the name of the division from the **SICB Division of Systematic and Evolutionary Biology (DSEB)** to the **SICB Division of Phylogenetics and Comparative Biology (DPCB)**. This change is being proposed by the division officers and several key division members who routinely participate in and provide input on division activities. The rationale for this change revolves around two main points. First, we feel that the **SICB Division of Phylogenetics and Comparative Biology** better reflects the activities of our group as a whole in underscoring the foundational role played by phylogenetic inference in almost all areas of biology. Second, the rapidly expanding and ever more accessible 'discipline' of comparative biology continues to develop novel ways in which a variety of evolutionary analyses can be conducted subsequent to the formulation of phylogenetic hypotheses. Thus, such a name change will likely appeal to a much broader membership within SICB, particularly potential members who are not necessarily focused on generating phylogenetic trees, but rather, those who are interested in addressing any number of evolutionary questions once phylogenetic hypotheses have been proposed...*

Thanks to Lou Burnett for helping with this process and for assisting with adjusting the divisional by-laws so that they are now consistent with society-wide guidelines.

Two divisional positions were also on the Spring 2011 ballot. Michael Alfaro (UCLA) was elected as the next chair of the division and Kerin Claeson (Ohio University) will be the next secretary for DPCB. Kerin and Michael begin their 'secretary-elect' and 'chair-elect' positions at the close of the 2012 meeting in Charleston and will take full responsibility for these positions in 2013.

Members of the division continue to explore efforts for cross-organizational communication/activities, seeking to better integrate Recent and deep-time perspectives in comparative/evolutionary biology. The first of the 'linked' symposium proposals will be submitted to the Society of Vertebrate Paleontology in January 2012 (for consideration at the Fall 2012 annual meeting), with a follow-up proposal submitted to SICB during the next open submission period.

Best Student Presentation from the 2011 SLC meeting: Kevin Kocot. At the 2011 SICB meeting, I presented the results of a collaborative phylogenomic study showing support for the Aculifera hypothesis which places Polyplacophora (chitons) as the sister taxon of a mono-phyletic Aplacophora.

In an effort to highlight research and any related efforts (e.g., outreach) in the DPCB community, we have sent out requests for information (entitled SICB DPCB 'In the News') related to ongoing work by current members. We have tried to stress the importance to our members, including students and postdocs, for getting their work out to the biology community and general public. As with many things, this effort is beginning to slowly pay off with some recent announcements.

DPCB in the News Contributions:

- **Spring 2011:** The first contribution to this effort highlighted the study by DPCB Chair **Patrick O'Connor** and DPCB Member **Tobin Hieronymus** that described a fascinating new fossil crocodyliform with mammal-like characteristics from Cretaceous deposits in eastern Africa. More information on the new taxon, including pictures, videos, and an NSF-produced *Special Report* can be found at http://www.nsf.gov/news/special_reports/crocs/index.jsp.
- **Fall 2011:** Kevin Kocot, last year's winner of DPCB Best Student Presentation, is in the news for his research on mollusk phylogeny. Here is part of a news story from 7thspace.com describing Kevin's work with DPCB members Ken Halanych and Johanna Cannon: 'Seemingly simple animals such as the snail and squid have ransacked the genetic toolkit over the last half billion years to find different ways to build complex brains, nervous systems and shells, according to an international team of researchers, including multiple members of DPCB. Using genomics and computational approaches, the scientists have reconstructed the evolutionary history of representatives of the phylum Mollusca, which includes more than 100,000 living species, ranging from giant squid to microscopic marine worm-like creatures.'

DPCB is sponsoring or co-sponsoring a number of interesting symposia in Charleston, including Society-wide programs on plasticity, evolution, and innovation and marine dispersal.

In addition to the usual topics, the DPCB business meeting at the Charleston conference will focus on efforts for better communicating the goals and activities of the division among SICB members more generally. We will also host NSF program officer (and former DSEB/DPCB Chair) Anne Maglia to receive an update on recent changes to NSF submission policies in the biology directorate.

Division of Vertebrate Morphology (DVM)

Kiisa Nishikawa, Chair

The Division of Vertebrate Morphology had an outstanding year, with excellent participation in the Salt Lake City meeting, where DVM sponsored three intellectually stimulating and well-attended symposia, organized by Susan Williams (Synthesis of Physiologic Data from the Mammalian Feeding Apparatus using FEED, the Feeding Experiments End-Users Database), Brooke Flammang (Bioinspiration: Applying Mechanical Design to Experimental Biology), and Robert Dudley (The Biomechanics and Behavior of Gliding Flight). DVM regional meetings took place at the University of Rhode Island (organized by Cheryl Wilga) and Wake Forest University (organized by Miriam Ashley-Ross). Finally, a record-breaking number of abstracts were submitted for the 2012 annual meeting Charleston, SC.

Congratulations to DVM student award winners in Salt Lake City: D. Dwight Davis Award for Best Student Paper in the Division of Vertebrate Morphology: Andres Carillo (California State University at Fullerton) for his presentation, Does extended incubation affect morphology and feeding ability of larval California grunion, *Leuresthes tenuis*? Andres also received a travel award from the Broadening Participation Committee! Best Student Poster Award in the Division of Vertebrate Morphology: Carolina Priester (University of North Carolina at Wilmington) for her poster, entitled Change in orientation of the myofibrils and cytoskeleton in white muscle fibers of large black sea bass, *Centropristis striata*.

In 2011, we elected a new incoming DVM Chair-Elect, Alice Gibb. Departing DVM officers include our outgoing Program Officer, Rick Blob, who did a superb job of planning the DVM program for the Salt Lake City and Charleston meetings, and to Lara Ferry, our exemplary and efficient secretary! Rita Mehta is the incoming Program Officer, and Susan Williams is the incoming Secretary.

The DVM response to the call for abstracts for the Upcoming Charleston SC meeting was fantastic – 1467 abstracts total (a new record), with 270 designating “Morphology” as a primary focus (up 15% from last year!). This translated to 27 oral sessions (at last count) and full slates for all three days of posters, in addition to several outstanding symposia and complementary sessions of interest for DVM members. The DVM and DCB POs worked together to organize a test run of a new talk format that we discussed at the Business Meeting last year, and that was encouraged by the Executive Committee. Nine volunteers will be giving 5-minute ‘lightning talks’ in three groups of three, with 5-minute decompression periods between each block. These will fit into three of our standard 20-minute slots early in the meeting, and should give us a forecast of how such talks would run (and what logistics we need to recognize) if they were to be implemented on a wider scale.

DVM also helped to support five symposia for the Charleston meeting including: The Impacts of Developmental Plasticity on Evolutionary Innovation and Diversification,

organized by Matthew Wund; Novel Methods for the Analysis of Animal Movement: Spatial and Temporal Structure Across Scale, organized by Doug Altshuler; New Frontiers from Marine Snakes to Marine Ecosystems; organized by Harvey Lillywhite and Francois Brischox; Combining Experiments with Modeling and Computational Methods to Study Animal Locomotion, organized by Laura Miller & Silas Alben; and EvoDevo Rides the Genomics Express, organized by Billie Swalla. We also received a record number of symposium proposals for San Francisco (31!).