

SICB Spring 2003 Newsletter

Contents

Message from the President

John. C. Wingfield

Message from the Program Officer

Stacia A. Sower

Message from the Secretary

Sunny K. Boyd

Message from the Treasurer

Ron Dimock

Elections

- [Candidates for Member at Large of the Executive Committee](#)
- [Candidates for Chair, Educational Council](#)

News and Announcements

- [Revised Constitution](#)
- [Audrey Gorbman Lecture Series](#)
- [Frontiers in Polar Biology in the Genomic Era](#)
- [Meetings &Conferences](#)

Committee Reports

- [Membership Diversity Committee](#)
- [Student/Postdoctoral Affairs Committee](#)

Division Newsletters

Animal Behavior (DAB)

- [Message from the Secretary](#)
- [Election Candidates](#)

Comparative Endocrinology (DCE)

- [Message from the Chair](#)
- [Message from the Program Officer](#)
- [Message from the Secretary](#)

< li>Candidates for Elections

Comparative Physiology and Biochemistry (DCPB)

- [Message from the Chair](#)
- [Message from the Program Officer](#)
- [Message from the Secretary: Business Meeting Minutes and Candidates for Election](#)
- [Message from the Graduate Student/Postdoc Representative](#)
- [Message from the DCPB Representative to IUPS](#)
- [The George A. Bartholomew Award](#)

Developmental and Cell Biology (DDCB)

Evolutionary Developmental Biology (DEDB)

- [Message from the Chair](#)
- [Message from the Program Officer](#)
- [Message from the Secretary](#)
- [Message from the Student/Postdoc Representative](#)

Ecology and Evolution (DEE)

- [Message from the DEE officers](#)
- [Candidate list for elections](#)

Invertebrate Zoology (DIZ)

- [Message from the Chair](#)
- [Message from the Secretary](#)
- [Message from the Graduate Student–Postdoctoral Affairs Committee Representative](#)
- [Message from the Student Awards Committee Chair](#)
- [Minutes of the 2003 Annual Business Meeting](#)
- [Elections: Candidate for DIZ Secretary](#)

Neurobiology (DNB)

- [Message from the Chair](#)
- [Message from the Program Officer](#)
- [Message from the Secretary](#)

Systematic and Evolutionary Biology (DSEB)

- [Message from the Officers](#)
- [Elections: Candidates for DSEB Chair and DSEB Secretary](#)

Vertebrate Morphology (DVM)

- [Message from the Chair](#)
- [Message from the Program Officer](#)
- [Message from the Secretary](#)
- [Elections: Candidates for DVM Program Officer](#)

Message from the President

John C. Wingfield

My two years as President-Elect just sped by, and now I find myself in the hot seat as President of SICB! It is indeed a wonderful honor, and one of particular significance for me because of my association with the society for almost thirty years. I feel particularly privileged to take over at this time because Past Presidents have done so much to keep the society vibrant and at the forefront of so many fields. I am indebted to the now Past President Marvalee Wake, and the just retired Past President, Martin Feder for their support, guidance and patience during my tenure as President-Elect. Marvalee was (and is still) a wonderful mentor with an amazing depth of knowledge and feeling for this society. I am profoundly grateful for her council and wisdom over the past two years. At this time, I would also like to welcome our new President-Elect, Sally Woodin, and I look forward to working with her over the next two years!

Our able and steadfast Treasurer, Ron Dimock has steered society finances extremely well over the past year. Our investments have fared very well indeed given the shortcomings of the market. Many organizations have taken much greater declines in revenues than we have. Well done Ron! More good news is that Ron will continue to serve us as Treasurer for another term. Our relationship with Burk and Associates Inc. continues to develop and I would like to thank the Executive Director, Brett Burk and everyone at BAI for their work at so many levels in the society.

The annual meeting in Toronto was a great success and I continue to be greatly impressed with quality of presentations. Particularly exciting are the creativity, quality and enthusiasm of our younger participants who now make up an ever increasing fraction of attendees. The future of the Society looks bright indeed. Many thanks too for a great meeting and organization by Program Officer Stacia Sower, all the divisional program officers, Sue Burk and everyone else involved at BAI for a terrific job. A new development the past year has been an organizational meeting of the program officers and BAI at the venue for the annual meeting. The result speaks for itself. I am looking forward to New Orleans with great anticipation.

This spring newsletter contains much information for the upcoming society-wide elections. Please take the time to go over the brief biographies of officer nominees in your division. We also have two society elections, one for Member-At-Large and the other for Chair of the Education Council. One very important issue in this year's elections is the revision of the SICB constitution. This document guides just about everything we do, and you all must look at the proposed revisions and VOTE! We are all deeply indebted to outgoing SICB Secretary Penny Hopkins who has steered the revision process, and has patiently and meticulously included our sometimes conflicting suggestions. Thank you Penny, you have done a terrific job. Our new Secretary, Sunny Boyd, is already up and running. She has some exciting new ideas for the Society and I am delighted to welcome her to office.

As incoming President I cannot emphasize enough how important it is for members of SICB to consider serving on our committees. The society cannot function without input from its members and the committees serve us well. Please do not hesitate to contact me (jwingfie@u.washington.edu) if you would like to be involved. I will be appointing members to committees that have vacancies over the next few weeks.

There are two committees that are particularly in need of volunteers. First is the Development Committee whose task is to attract donations to SICB as well as identify future avenues for raising funds for our many worthy causes. I would very much like to see members write 'white papers' outlining initiatives that need funding. These should be about a page, stating specifically the need and how funds would be used to serve that need. Examples that are always popular are promotion of diversity in SICB, and travel and research awards for students and younger faculty. Others could include development of web sites for education, research data bases (bioinformatics), travel awards for international scientists and students (e.g. from Latin

America) to attend our annual meeting, or to develop education and research collaborations with people in North America. Please use your imagination and write up your ideas. With these papers in hand, BAI can hand them out immediately if a potential donor is identified. Having these initiatives on hand also serves to impress a donor that we really are sure of where our future lies, and that we are specific in our needs. If any of you are interested in serving on this committee please let me know, or Treasurer Ron Dimock who serves ex officio on the committee.

Second is the conservation committee. On the one hand, I have heard several rumors that conservation is 'too applied' for our society. However, it is important to bear in mind that good conservation is dependent upon good science. The latter is where we can make important contributions. Similarly for research on global climate change, the implications for conservation, as well as many of the problems facing humanity in the next few decades, are enormous. Yet all of this has a foundation in basic biological research that we pride ourselves upon. Note also that younger biologists increasingly are showing great interest in conservation and global climate change. They feel compelled to combine basic research with outreach to society. At the meeting in Toronto I was impressed with how many presentations addressed these issues AND that the majority of the authors were students and younger members. The message is clear. We must develop and sustain a commitment to conservation and global climate change while sustaining excellence in basic biological research. I know many of you have a deep interest in these issues – please contact me if you feel you can serve SICB by developing and nurturing conservation biology. We have had conservation-related symposia in the past and there is one scheduled for New Orleans in January 2004. Let us take this opportunity to make our unique mark in these rapidly developing areas.

Finally, as spring and summer draw near, I wish you all an enjoyable and productive season in the laboratory, classroom and field.

Don't forget – VOTE!

Message from the Secretary

Sunny K. Boyd

My first request of the membership is this: Please join me in thanking the out-going Secretary, Penny Hopkins, for truly exceptional service to the Society. During her tenure, Penny organized the election process, enhanced communications with the membership and molded a ship-shape team of divisional secretaries. She also went above and beyond her assigned duties in re-writing the Constitution and By Laws. Penny and her ad hoc committee have spent countless hours on this important job. Please view the new version of the Constitution and By Laws in this newsletter and vote on their acceptance.

Second, I would like to enlist current and past divisional officers in a new endeavor. It is the goal of the Executive Committee to create a comprehensive set of "Officer's Manuals" during 2003. Given the unique makeup of different divisions, each division should produce their own manuals. Rather than the sketchy oral history or learn-on-the-job approach to training of new officers, we believe a written list of standard operating procedures would create a more efficient and effective officer's corps. If any of you already possess a written description of officer's duties in your division, I would appreciate receiving a copy. These can form a springboard for other divisions approaching the task from scratch.

Finally, I would like to call your attention to the American Institute of Biological Sciences. SICB is a member of this umbrella organization which serves science and scientific societies. AIBS provides our link with Washington and public policy, in general. I recommend that you visit the AIBS website (<http://www.aibs.org/>). You will find cogent descriptions of government actions that have direct effects on science. Any interested person can subscribe to the AIBS Public Policy Report via the website and keep up-to-date.

Message from the Treasurer

Ron Dimock

As with the rest of the economy, SICB's financial assets are in somewhat of a holding pattern, viewed optimistically as being on the verge of recovery. We are still very solidly in the black, with significant funds in 'secure' instruments such as cd's. However, the monies that have been invested in a series of mutual funds have taken a hit. Since we are looking at a long-term horizon, our financial manager and the Finance Committee are hopeful that we are getting positioned to enjoy significant returns once the market begins a sustained recovery.

The Society recently has enjoyed the largess of a couple of strong supporters who have made very significant financial contributions. Those individuals have been thanked, and their support is greatly appreciated. We welcome any donations, of any magnitude.

We also encourage anyone to consider becoming a Life Member. The \$1000 fee is payable either in one sum or spread over two consecutive years, at \$500 per year.

Please visit the SICB web page and view the winners of the Grants in Aid of Research competition. The Student Support Committee had \$24,000 to work with this year, and the Committee did a wonderful job of selecting among some very competitive applications. The SSC also had the very onerous task of selecting 3 recipients of the new Fellowships for Graduate Student Travel. That competition was especially keen, with a very modest budget. Some of the proposals submitted to that competition were simply outstanding. All of the winners of all of these awards are to be commended, and students who were not funded this year should seriously consider applying again next year.

The 1st quarter financial statement will be available by the time the Newsletter gets posted, and although I won't be able to include data from it, I'm optimistic that we are going to be very pleasantly surprised by the budget for the annual meeting in Toronto.

Make your plans early to attend the annual meeting in New Orleans. The Toronto meeting was great. Think about the prospects for New Orleans!

SICB Spring 2003 Newsletter

News &Announcements

- Revised Constitution
 - Audrey Gorbman Lecture Series
 - Frontiers in Polar Biology in the Genomic Era
 - Meetings &Conferences
-

Revised Constitution

An ad hoc committee headed by Past-Secretary Penny M. Hopkins has revised the constitution. Members will be asked on the upcoming election ballot to vote on the changes. Please go to <http://sicb.org/revconstitution.php3> for more information and links to the revised text of the constitution.

Audrey Gorbman Lecture Series in Comparative Physiology

The new Aubrey Gorbman Lecture Series in Comparative Physiology will create an opportunity each year for the new Department of Biology (formerly Zoology), University of Washington, to host an outstanding lecturer to present their emerging and exciting research in Comparative Physiology. They will meet with graduate students, faculty and postdoctoral fellows, and promote scholarly interchange with the Department of Biology, the University, and the world. This lecture fund was made possible by donations from Aubrey's family, as well as from faculty in his old department. Additional contributions are also welcome from the larger scientific community. If anyone would like to contribute to this fund please contact Ms. Kathryn Hahn, Department of Biology, Box 351800, University of Washington, Seattle, Washington 98195 (hahnkc@u.washington.edu). We feel much gratitude for all the work Aubrey has done for the Department of Biology (Zoology), University of Washington, and the Society for Integrative and Comparative Biology both as a member and a former President. His legacy will be carried on with this

fund, and we hope the lectures will spark the imagination of future scientists in Comparative Physiology.

Frontiers in Polar Biology in the Genomic Era

As we enter the twenty-first century, the polar biological sciences stand well poised to address numerous important issues, many of which were unrecognized as little as 10 years ago. At the same time, the era of "genome-enabled" biology is upon us. Genomic approaches, in concert with other existing technologies, allow us to examine polar biological questions of unprecedented scope and to do so with extraordinary depth and precision. The National Academies' Committee on Frontiers in Polar Biology recently released its report, *Frontiers in Polar Biology in the Genomic Era*. The report identifies numerous research problems in the areas of evolution of polar organisms, polar physiology and biochemistry, ecosystems biology, and human impact on polar ecosystems that could benefit from genomic sciences. The report also assesses the impediments to the conduct of polar genomic research and emphasizes the importance of ancillary technologies to the successful application of genomic technologies to polar studies. The development of a new initiative in polar genome sciences that emphasizes collaborative multidisciplinary research is recommended to facilitate genome analyses of polar organisms and to coordinate research efforts.

For More Information: Contact Evonne Tang, of the National Academies' Committee on Frontiers in Polar Biology, at 202-334-3648; ETang@nas.edu. *Frontiers in Polar Biology in the Genomic Era* is available from the National Academies Press; 2102 Constitution Avenue, N.W. Washington, DC 20055; 800-624-6242 or 202-334-3313 (in the Washington metropolitan area); Internet: <http://www.nap.edu/catalog/10623.html>.

This report is sponsored by the Office of Polar Programs and the Directorate for Biological Sciences of the National Science Foundation.

Meeting Announcements

XIIIth International Conference on Invertebrate Dioxygen Binding Proteins
On behalf of the organisers of the "XIIIth International Conference on Invertebrate

Dioxygen Binding Proteins" we are pleased to invite the members of the Society for Integrative and Comparative Physiology to attend this meeting. The meeting will focus on all aspects of invertebrate oxygen carriers and also on related oxygen using enzymes like tyrosinases. It will take place in Mainz (Germany) on September 7 – 12, 2003. For the preliminary program, registration details and further information, please refer to the Conference's home page: <http://www.io2bip.uni-mainz.de/>

Gordon Conference on "Hormones and Development", Connecticut College, June 8–13, 2003

The major emphasis of this meeting is on hormones that work via nuclear receptors and the manner by which these receptors then orchestrate complex programs of development. The program brings together workers using a variety of techniques that are applied to hormone action in insect, amphibian and higher vertebrate systems.

The Keynote speaker is Prof. Keith Yamamoto (UCSF).

The session topics are:

Nuclear Receptors and Signaling Systems

Tissue Specificity of Hormone Action

Hormones and Gene Networks

Hormones and Tissue Morphogenesis

Environmental Aspects to Hormonal Signaling

Transgenic Approaches for Studying Hormone Action

Gene Networks and the Control of Development

The list of invited lecturers and the titles of their talks can be found at the Gordon Conference web site, <http://www.grc.uri.edu/programs/2003/hormones.htm> .

We encourage poster presentations by all participants. The poster sessions on related topic areas are scheduled for the late afternoon. In addition, one poster presenter from each topic area will be asked to give a short (15 min) platform presentation so that exciting, late-breaking results can be presented.

To apply to attend the meeting, go to the Gordon Research Conference web site at <http://www.grc.uri.edu/> and follow the instructions for "Attending a Conference" and the "On-line application". Senior graduate students and postdocs are especially encouraged to attend. We have applied for funds for the support of a limited number of graduate students and postdoctorals. Funding will not be known, though, until the time of the conference.

Committee Reports

- Membership Diversity Committee
 - Student/Postdoctoral Affairs Committee
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Membership Diversity Committee

Robert Espinoza, Chair

The recently activated Membership Diversity Committee, which seeks to increase the ethnic composition, representation, and participation of the SICB membership, met in Toronto to identify goals for 2003 and the annual meeting in New Orleans. A total of 19 participants attended, including SICB President John Wingfield and President-elect Sally Woodin. The committee, under the leadership of Beth Brainerd (Committee Chair, 2001–02), reviewed the history of efforts to increase the diversity of the SICB membership and participation of researchers and students from groups traditionally underrepresented in integrative biology (based on an NSF–funded workshop held in 1999). We then turned to the future, identifying not fewer than ten goals and projects for the next two years. In general, these goals include targeting underrepresented groups nationwide, promoting involvement of faculty and students with diverse backgrounds, and raising funds to support such endeavors. We have secured funding from SICB to initiate several of these projects in 2003. We are also developing an anonymous membership survey to gather data on the ethnic diversity of the SICB membership. To that end, you will soon receive a request to self identify your gender and ethnicity in an anonymous online survey. Please help us develop baseline data by participating in the survey. We also welcome volunteers to serve on the many subcommittees working toward increasing diversity in our Society. For more information, please contact the new Chair of the Membership Diversity Committee, Bobby Espinoza (robert.e.espinoza@csun.edu).

Student/Postdoctoral Affairs Committee

Kevin M. Kelley, Chair

At all SICB Annual Meetings, the SPDAC hosts three large events in the interests of student and postdoc members. At the **First Timer Orientation**, we serve as one of the first official voices of the SICB, and thus we make every attempt to have new attendees feel welcomed, well-supported, and connected to the Society via our Committee. The **Student/Postdoc Luncheon** provides a great opportunity for all of the student and postdoctoral members to convene over lunch, meet new colleagues, and provide direct input to the SPDAC. The 'main event' for the SPDAC at annual meetings is the **Student/Postdoc Workshop**, with its subject matter changing every year.

At the January 2003 meeting in Toronto, the SPDAC organized and held a workshop on the subject of successfully landing academic job opportunities. We tapped into the experience of SICB members who are

established academic faculty with experience serving on faculty search committees at their respective universities. The title of the workshop was "**Views from Inside the Faculty Search Committee: What Works and What Doesn't**". Students and postdocs working toward faculty positions in academia had an opportunity to interact directly with the invited panel members, who were charged with the task of providing a candid perspective on what search committees typically like –and don't like– in the applications they receive. The panelists covered subjects such as the written application, the interview process, and dealing with spouse career issues. Attendance at the workshop was between 150–250, indicating a high level of interest in this subject.

The SPDAC would like to extend our thanks the following panelists:

- Dr. Dianna Padilla, State University of New York, Stony Brook
- Dr. Henry John–Alder, Rutgers University
- Dr. Brian Tsukimura, California State University at Fresno
- Dr. Anne McNabb, Virginia Tech
- Dr. Barney Rees, University of New Orleans

These panelists provided insight not easily obtained by students and postdocs (without workshops like this one!) and they also handled a large number of probing questions from the audience. It was an excellent exchange, and the feedback we received was all highly positive . . . and appreciative of the time given by the panelists. So, thank you panelists for making it a success!

The SPDAC would also like to thank Dr. Shea Tuberty, a past Committee Representative to DIZ, for staying active this past year in providing superb, experienced advice and help in our activities.

Keep an eye on the Student Postdoctoral Affairs Committee

The SPDAC has some new developments underway, including the development of an SICB web–page specific to the interests of students &postdocs!

USEFUL WEBSITES FOR SICB's STUDENT AND POSTDOC MEMBERS

- SICB's Student/Postdoctoral Affairs Committee (this site currently only lists contact information of the Committee Members, so look for future developments!):
<http://www.sicb.org/committees/studentpostdoc.php3>
- Natl. Acad. Sci. USA: Web Guide to Enhancing the Postdoctoral Experience:
<http://www4.nas.edu/pd/postdoc.nsf>
- Natl. Acad. Sciences USA "Postdoc Resources":
<http://www4.nas.edu/pd/postdoc.nsf/web/resources?OpenDocument>
- "Postdoctorate.net": <http://www.postdoctorate.net/>
- "Postdoc Jobs Online" (& University Job Bank): <http://www.post-docs.com/>
- "University Job Bank": <http://www.ujobbank.com/>
- Science Careers webpage: <http://recruit.sciencemag.org/>

For further contact or additional information, contact the Student/Postdoctoral Affairs Committee Chair (kmkelley@csulb.edu) or see the Committee's SICB webpage (given above)

Elections

Candidates and Biographies

- Member at Large of the Executive Committee
- Chair, Educational Council

Member at Large of the Executive Committee

- Esther M. Leise

Current Position: Associate Professor, Department of Biology, University of North Carolina Greensboro

Education: Ph.D. in Zoology, University of Washington, Seattle, 1983; B.S. in Zoology, with honors, University of Maryland, College Park, 1975.

Professional Experience: Associate Professor, Dept. of Biology, UNCG 1998–present; Assistant Professor, Dept. of Biology, UNCG 1991–1998; Assistant Researcher, Kewalo Marine Laboratory, Pacific Biomedical Research Center, University of Hawaii, 1990–1991; Postdoctoral work, Dept. of Biology, Georgia State University, Atlanta, 1988–1990; Postdoctoral Fellow, Depts. of Zoology and Otology, University of California Davis, 1983–1988.

SICB Participation: Presenter at 69% of annual meetings from 1979–2002, co–organizer of 2000 symposium "Nitric Oxide in Invertebrates"; member SICB Membership Committee 1998–2000, member SICB Program Advisory Committee 1998–2000, member SICB Focus Committee 1996–1997, member ASZ Public Affairs Committee 1992–1995.

Other Memberships and Activities: AAAS; East Coast Nerve Net; International Society for Neuroethology; Phi Beta Kappa; Sigma Xi; Society for Neuroscience; *The Biological Bulletin* editorial board member, 2000–present.

Research Interests: Neural control of metamorphosis in marine invertebrates, particularly marine molluscs; evolution of invertebrate nervous systems, invertebrate neuroanatomy and neurophysiology.

- George V. Lauder

Current Position: Professor of Organismic and Evolutionary Biology, and Alexander Agassiz Professor of Zoology, Harvard University.

Education: Ph.D. Harvard University, 1979; M.A. Harvard University, 1978, A. B. Harvard University, 1976.

Professional Experience: 2000 – present. Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology, Harvard University. 1999 – present. Professor of Organismic and Evolutionary Biology, Harvard University. 1990 – 1999. Professor of Ecology and Evolutionary Biology, University of California, Irvine. 1987 – 1996. Associate Dean for Graduate Studies, School of Biological Sciences, University of California, Irvine. 1986 – 1990. Associate Professor, University of

California, Irvine. 1981 – 1986. Assistant and Associate Professor of Anatomy, The College, and the Committee on Evolutionary Biology, University of Chicago. 1979 – 1981. Junior Fellow in the Society of Fellows, Harvard University. SICB Participation: Presenter at SICB meetings since 1977, organized or co-organized 4 symposia, past Chair of Division of Vertebrate Morphology

Research Interests: functional morphology, biomechanics, and evolution of vertebrates; systematics; phylogeny construction; historical analysis; experimental and conceptual approaches to the analysis of form in organisms; experimental hydrodynamics of locomotion; physiology of the musculoskeletal system.

Statement of Goals: I would be pleased to work with the Executive Committee to continue the tremendous success of recent meetings and to foster outreach to new students who will form the next generation of SICB scientists. A special interest of mine is improving our journal, especially regarding the journal web page, the time to publication of articles, the review process, publication of color, and submission of digital files.

Chair, Educational Council

- **Henry B. John–Alder**

Current position: Associate Professor, Rutgers University, Department of Animal Sciences

Education: 1983 Ph.D. University of California, Irvine, CA; 1979 M.S. Pennsylvania State University University Park, PA; 1974 B.A. Franklin and Marshall College, Lancaster, PA

SICB Activities: Member since 1980, Divisional affiliations: DCPB, DCE, Nominating Committee of DCE, 2003, Secretary of DCE, 1996–97

Research Interests: My research concerns the functional traits of organisms, their underlying (endocrine) regulation, and the significance of their variation in the natural world. As such, I am broadly interested in environmental physiology and endocrinology, as reflected in my divisional affiliations within SICB. My general approach crosses traditional levels of biological organization from biochemical to behavioral and includes a mix of laboratory and field research. I have demonstrated that complex physiological and behavioral interactions can only be understood in the milieu of the natural social and seasonal environment. As such, I stress the critical interdependence of experimental studies in the wild with a solid grounding in natural history. The breadth of my contributions reflects this philosophy. My current research foci, stemming directly from earlier work, are: 1) growth regulation and sexual size dimorphism, and 2) stress and adrenocortical cell function. In the former area, I am currently concentrating on phrynosomatid lizards, a large group with many accessible species representing both male-biased and female-biased SSD. My studies are both comparative and experimental and are directed at levels of organization from organismal energetics to genomic regulation.

Goals Statement: I strongly believe that innovative research is the essential underpinning of an effective curriculum, and I believe that integrative animal biology holds the central ground in contemporary biology curricula. This philosophy is evident both in my research and my teaching, and it is one that I will bring to the Education Council of SICB. I have made a very deliberate effort to

develop research activity consistent with the programmatic mission of my recent academic appointment in the Department of Animal Sciences, even while pursuing my fundamental interests. With the aid of a Rutgers' curriculum improvement grant, I developed an inquiry-based field biology course centered at the Rutgers Pinelands Research Station, the site of my field research. As Director of the Graduate Program in Animal Sciences, I am leading the development of a coordinated curriculum that address the broad underpinnings of contemporary animal sciences in integrative animal biology, from organisms to molecules and back. Unencumbered by moorings in traditional, production-oriented animal sciences, my background in integrative biology has been particularly advantageous in this vein.

As Chair of the Education Council of SICB, I will promote the Society's efforts to create a seamless interface between the members' scholarly and instructional activities. I will promote the Council's interests in oral/poster sessions dedicated to the integration of teaching and research, and I will work with the Council to develop other educational venues. Such activities could include the development of curricular objectives in integrative and comparative animal biology, as have been put forth by other professional societies in their fields. In the long run, the acceptance and implementation of curricular goals could help SICB to regain coherence among its divisions. I will work to seek funding for educational initiatives within the Society, and I will support proposals to incorporate science education into annual meetings of SICB, including the organization of "Science as a Way of Knowing" symposia.

• **Janice Voltzow**

Current position: Associate Professor, Department of Biology, University of Scranton

Education: B.S., Biology, Yale University, New Haven, CT 1980; Ph.D., Zoology, Duke University, Durham, NC 1985.

Professional Experience: Cocos Foundation Trainee in Morphology, 1982–1985; Postdoctoral Fellow, Friday Harbor Laboratories, University of Washington, 1985–1986; Assistant, Associate Professor, Department of Biology, University of Puerto Rico, 1987–1996; Visiting Scholar, Harvard Forest, Harvard University, 1992; Assistant, Associate Professor, Department of Biology, University of Scranton, 1996–present; President, American Malacological Society, 2000–2001; Editor-in-chief, *American Malacological Bulletin*, 2001–present; Project Kaleidoscope Faculty for the 21st Century, 2002–present.

SICB Activities: SICB member since 1982; Chairperson, Public Affairs Committee, 1987–1989; Co-organizer and moderator, Forum on Biodiversity, 1988; Representative to AAAS Section X, Societal Impacts of Science and Engineering, 1997–1998; Nominating Committee, Division of Systematic Biology, 1997.

Other Memberships: American Association for the Advancement of Science, American Malacological Society, American Microscopical Society, Malacological Society of London, Sigma Xi, Unitas Malacologica, Western Society of Naturalists.

Research Interests: Functional morphology and evolution of marine molluscs.

Goals Statement: For most of us, research and education are highly integrated in our professional lives. This integration can sometimes become a struggle as we seek to balance our research and educational activities. I believe SICB can do more to help us reach that balance. Just as SICB serves as a resource for learning about each others' scientific accomplishments, it can also serve as a resource for pedagogical insights to incorporate research into our educational activities. Because we are each other's best resource, I would like to see more opportunities for sharing ideas and solutions to the challenge of integrating research and education. For example, I would like to organize discussions of the significance of the NSF criterion on the broader impacts of proposals and on opportunities to receive NSF support for educational activities. How can we incorporate experiential learning and an interdisciplinary perspective into our courses? How can we provide access to research to students at all levels? How can we help prepare our graduate students to be competitive in the academic job market? The Education Council should provide a forum in which these topics can be discussed.

Division of Animal Behavior (DAB): 2003 Spring Newsletter

In this newsletter:

- [Message from the Secretary](#)
 - [Election Candidates](#)
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Message from the Secretary

Tom Hahn

2003 Meeting Recap

My information is not first hand (missed the meeting owing to impending paternal reasons), but all reports I've heard on the 2002 Meeting in Toronto have been very positive. Many thanks to all of you who participated in producing a great meeting. The enthusiasm for the new poster time (over lunch) was not what one could call universal, but I've not seen the results of the official questionnaires that were circulated at the meeting.

Congratulations to A.G. Ophir, from McMaster University for best student oral presentation, and to J.A. Strother, from UC-Berkeley, for best student poster at the 2003 meeting.

Symposia

Zuleyma Tang-Martinez's symposium entitled "Bateman's Principle: Is it time for a re-examination?" is still on the docket for the 2004 meeting in New Orleans. The Division of Animal Behavior is proud to sponsor this symposium, and we hope you can all attend.

The deadline for proposing symposia for the San Diego meeting (2005) is in mid-August. DAB is a small division, but we have a tradition of putting on great symposia. If you have an idea for a symposium that could accommodate 8–12 speakers, why not propose it for the 2005 meeting? If you have an idea or questions about this, please contact our program officer, Paul Cupp, (Paul.Cupp@eku.edu), our chair, David Pfennig (dpfennig@email.unc.edu), or me (tphahn@ucdavis.edu).

Officers

Peter Smallwood has now passed the baton to me as secretary of DAB. This is David Pfennig's last year as Chair. At the business meeting in Toronto, Scott MacDougall-Shackleton was nominated to stand for election as next Chair. His bio is available below, and info regarding the election will be forthcoming on the SICB website.

Opportunities for Graduate Students

Encourage Graduate Students to Join and Attend! SICB is a terrific society for graduate students interested in behavior, especially if they gravitate towards topics that combine behavior with physiology, evolution, and

ecology. The poster and talk competitions at the meetings are a great way to get experience with, and constructive feedback on, presentations. And feel free to volunteer to help with judging student talks and posters at the meetings!

Support for Meeting Attendance: If you are a graduate student or have graduate students interested in attending SICB meetings, take note of the Student Support Program. The Society generally can manage to defray a large proportion of the costs of graduate students attending the meeting. In past years, SICB has been able to provide a room (shared) or waive registration for almost all students requesting such aid. In return, the student serves for a half day as a room monitor, slide projectionist, or registration assistant.

Grants-in-Aid of Research: SICB still has its program of awards to support graduate student research. For more details and application materials, go to <http://www.sicb.org/awards.php3>

DAB Elections

Candidate for Chair

Scott A. MacDougall-Shackleton

Current Position: Assistant Professor, Departments of Psychology and Biology, University of Western Ontario

Education: B.Sc. (Biology), Queen's University, 1990; M.Sc. (Biology), Queen's University, 1991; M.A. (Psychology), Johns Hopkins University, 1994; Ph.D. (Psychology), Johns Hopkins University, 1997.

Professional Experience: 1991–92, Research Technician, Department of Biology, Queen's University; 1997–99, Postdoctoral Research Fellow, Department of Ecology and Evolutionary Biology, Princeton University; 1999–2001, Assistant Professor, Department of Psychology, University of Toronto; 2002–current, Assistant Professor, University of Western Ontario.

SICB Activities: Meeting Participant, Divisions of Animal Behavior and Comparative Endocrinology

Other Memberships: Society for Behavioral Neuroendocrinology, Animal Behavior Society

Research Interests: Physiology and behavior; evolution of perceptual, neural and endocrine mechanisms of behaviour; neural and endocrine integration of environmental information; sex differences in brain and behavior; seasonal changes in brain and behavior.

My research addresses the interaction between neural, endocrine, and perceptual mechanisms and the evolution of animal behavior. Specifically I am interested in how songbirds integrate environmental information –such as seasonal changes in photoperiod or the courtship song of a mate– and use this information to organize their behaviour in an adaptive way. Thus, I am interested in topics such as i) how birds learn and perceive environmental cues (e.g. birdsong), ii) how these cues are processed by the brain, and how the brain then mediates changes in behavior and/or reproductive physiology, and iii) how these neural and endocrine mechanisms have been shaped by natural and sexual selection to result in adaptive behaviour.

Goals Statement: Over the last 14 years I have participated in a variety of societies and conferences dealing with animal behavior, ranging from behavioral ecology to neuroscience and psychological societies. One of

the greatest strengths of animal behavior research is that it touches on all areas of the life sciences. Because behavior is best studied from an integrative perspective, I believe the best home for animal behavior researchers is in the SICB.

If elected chair of the DAB I will work hard to continue our tradition of strong symposia and support of student research in animal behavior. As well, I will work to raise our profile internationally and in other societies in order to attract new members. I am concerned by how many animal behavior researchers who attend other meetings (such as ISBE or SFN) are unaware of the SICB. I would also like to develop mechanisms to support research and meeting attendance of postdoctoral researchers and international researchers who may not have access to research grants but are no longer eligible for student support. Thus, I hope to continue and strengthen the DAB's support of interdisciplinary and integrative animal behavior research.

Division of Comparative Endocrinology (DCE): 2003 Spring Newsletter

In this newsletter:

- [Message from the Chair](#)
 - [Message from the Program Officer](#)
 - [Message from the Secretary](#)
 - [Candidates for Elections](#)
-

Message from the Chair

Michael C. Moore (michael.moore@asu.edu)

The Toronto meetings were excellent meetings and there was strong representation from our division. The highlight of the meeting was the outstanding presentation by Hubert Vaudry as the second annual Howard Bern Lecturer. We will be announcing the third annual Howard Bern Lecturer for the New Orleans meeting in a few weeks but it is not too late to submit nominations to me if you have not already done so. There are several signs of the continuing strength of our division. One sign is that there were a number of outstanding presentations at the meetings by students and the student award winners are announced below.Â Thanks to Rosemary Knapp and her committee for taking on the difficult job of deciding among so many great presentations. A second sign of the division's strength is that we continue to attract strong candidates for officer positions in the division.Â These candidates are also announced below. Please take the time to study the biographies and to cast your vote. If you are interested in serving on committees for the division or society or in being considered for future officer elections, please let me know. Thanks to Anne McNabb and her nominating committee for an excellent slate of candidates that ensures the future of the division is in good hands.

Please remember that we now have a divisional mailing list and can distribute emails to the entire DCE membership. If you have an appropriate announcement such as an upcoming meeting, a job opening or funding opportunities to announce, you just need to send them to the secretary, Jim Carr, and he will see they get distributed.

Message from the Program Officer

Kyle W. Selcer (selcer@duq.edu)

As most of you are probably aware, I am the new program officer for DCE. I thank Michael Moore for his confidence in my abilities. I also want to thank Miles Orchinik for his excellent service to DCE as the previous program officer.

Symposia for the New Orleans Meeting. January, 2004

Plans are well under way for the next SICB meeting in New Orleans, January 4–8, 2004. There are several symposia that should be of interest to DCE members. First, DCE is sponsoring a symposium organized by Robert Stevenson and Shea R. Tuberty entitled "EcoPhysiology and Conservation: The contribution of Endocrinology and Immunology". This one-and-a-half day symposium is designed to integrate the perspectives of environmental/stress physiology with reproductive failure, population extinctions and habitat degradation. Speakers will attempt to bring endocrine physiology of vertebrates and invertebrates into the discussion of species distribution, environmental contamination, and conservation issues.

In addition, there are three SICB-wide symposia that should be of interest to DCE members. These are:

1. R. Scott Winters: The Integration of Comparative Genomics and Ecological/ Evolutionary Studies
2. Raymond B. Huey: Integrative Biology: A Symposium Honoring George A. Bartholomew
3. Robert Dudley and Michael Dickinson: In Vino Veritas: The Comparative Biology of Ethanol Consumption

Request for Symposia Proposals for the San Diego Meeting in January, 2005.

Plans are underway for the SICB Meeting in San Diego, January 4–8, 2005. We are now requesting symposia proposals for this meeting. Symposia are a major draw for our annual meeting and can be extremely rewarding for the organizers as well. Symposium papers are often published together in an issue of Integrative and Comparative Biology (formerly called American Zoologist). The deadline for receipt of symposia proposals is August 15, 2003, so please start developing your ideas and talking with your colleagues about possibilities. If you have an idea for a symposium, please do not hesitate to contact me (selcer@duq.edu). More general information and the symposium proposal submittal forms can be found on the main page of the SICB website. Just click on the button labeled "San Diego 2005 Symposia Submittal".

Message from the Secretary

Jim Carr (jacarr@ttacs.ttu.edu)

Minutes of the DCE Business Meeting
Toronto, Canada
January 6, 2003

The meeting was called to order by DCE Chair Michael Moore at 5:15 pm. Mike introduced outgoing SICB president Marvalee Wake, who thanked the attendees for their participation in the business meeting and reiterated the call for service in the society and invited everyone to attend the SICB business meeting. Marvalee introduced incoming SICB President John Wingfield and SICB treasurer Brett Burke.

Mike introduced the current DCE officers and mentioned that Miles Orchinik would be leaving the office of DCE Program Officer. Kyle Selcer will take over as Program Officer immediately after the 2003 Toronto meeting. The minutes from the 2002 DCE Business Meeting were approved.

Bob Dores (Editor in Chief, USA) updated the membership on the status of General and Comparative Endocrinology. Approximately 243 manuscripts were submitted in 2002, and this number is consistent with the last 4 years. The transition of the journal to a new publisher has been smooth for the most part, although

the long-standing Academic Press database for the journal crashed during the summer of 2002 but has now been restored.

Miles Orchinik announced that DCE had a total of 60 abstracts, including 34 oral presentations and 26 posters, at the 2003 Toronto. This compared to 42 oral presentations and 35 posters at the 2002 Anaheim meeting. With the current system for topic-based sessions, presenters must pick DCE as their first choice in order for talk to be scheduled with other DCE talks. Miles announced plans for a DCE-sponsored symposia at the 2004 meeting in New Orleans entitled "EcoPhysiology and Conservation: The Contribution of Endocrinology and Immunology." This symposium will be organized by Rob Stevenson and Shea Tuberty and will integrate the perspectives of environmental/stress physiology with reproductive failure, population extinctions and habitat degradation. Miles called for symposia ideas for the upcoming 2005 SICB meeting in San Diego.

Michael Moore introduced Diane Witt as the new NSF Program Officer for Neuroendocrinology and Behavioral Neuroscience. Diane encouraged everyone to submit proposals to the Neuroendocrinology Program and made a call for ideas regarding leading edge trends in neuroendocrinology and behavioral neuroscience to support growth of the neuroendocrinology program in the 2005 and 2006 budget periods.

Michael Moore encouraged DCE members to get nominations for DCE officers to Anne McNabb, chair of the nominations committee. Mike also reminded everyone to submit nominations for the 2004 Bern Distinguished Lecture. Mike updated DCE members on the SICB Executive Committee meeting earlier in the week. SICB is in excellent financial condition, with \$1.5 million dollars in assets. Mike also mentioned that DCE continues to lose members, as the current membership is 200 compared to 700 DCE members 15 years ago.

STUDENT AWARDS

The Aubrey Gorbman Award for best oral presentation went to co-winners Anna Greenwood (Stanford University, "Electrical properties of gonadotropin-releasing hormone neurons as a function of reproductive status", co-author: R Fernald), and Katrina Salvante (Simon Fraser University, "Temperature-dependent reproductive and behavioral plasticity in breeding birds", co-authors: RL Walzem, TD Williams). The best poster presentation was awarded to Haruka Wada (University of Texas-Austin, "Stress and development: the role of corticosteroid binding globulin in relating free corticosterone levels in nestling and fledgling white-crowned sparrows *Zonotrichia leucophrys oriantha*", co-authors: TP Hahn, CW Breuner) with honorable mentions going to Neelakanteswar Aluru (University of Waterloo, Canada, "a-Naphthoflavone impacts interregional corticosteroidogenesis in rainbow trout", co-author: MM Vijayan) and Oliver Love (Simon Fraser University, "Modulation of corticosterone in birds: effects of breeding stage, season and relationship to nest abandonment", co-authors: F Vezina, TD Williams).

Special thanks to the Best Student Paper committee: Rosemary Knapp (chair), Creagh Breuner, Sabrina Burmeister, Sheng Li, Matt Lovern, Maria Pereyra, Cathy Propper and Keith Sockman. This is a time consuming but very important task and we all greatly appreciate your efforts!

UPCOMING MEETINGS

An International Symposium on Amphibian and Reptilian Endocrinology and Neurobiology will be held November 4–6, 2003, at Cheju National University Park on Jeju Island, Korea. This symposium will address all aspects of amphibian and reptilian endocrinology and neurobiology, particularly the fields of reproduction, development, and conservation biology. It will consist of oral presentations and poster sessions open to all participants. Contact the conference chair, Dr Hyuk B. Kwon (kwonhb@chonnam.ac.kr), for further information.

The 15th International Congress of Comparative Endocrinology will be organized by Burk and Associates and will be held May 23–28, 2005 in Boston. Check the website (<http://www.bu.edu/ICCE15/boston.html>) for

details.

DCE Elections

Candidates for Chair Elect

Robert J. Denver

Current Position: Associate Professor and Associate Chair for Undergraduate Studies, Department of Molecular, Cellular and Developmental Biology; Associate Professor, Department of Ecology and Evolutionary Biology, The University of Michigan, Ann Arbor.

Education: B.S., Biology, Rutgers University, New Brunswick, NJ 1984; Ph.D., Zoology, University of California, Berkeley, CA 1989.

Professional Experience: Killam Postdoctoral Fellow, Department of Zoology, University of Alberta, Edmonton, Canada 1989–1990; NIH Postdoctoral Fellow, Cancer Research Laboratory, University of California, Berkeley 1990–1993; Lecturer, Department of Integrative Biology, University of California at Berkeley 1992; Assistant Professor, Department of Biology, The University of Michigan, Ann Arbor 1994–2000; Visiting Associate Professor, Department of Biology, University of Rennes, France 1996; Assistant Research Scientist, Reproductive Sciences Program, The University of Michigan, Ann Arbor 1996–present; Excellence in Research Award, College of LSThe University of Michigan 1998; Associate Professor, Department of Molecular, Cellular and Developmental Biology and Department of Ecology and Evolutionary Biology, The University of Michigan, Ann Arbor 2000–present; Associate Chair for Undergraduate Studies, Department of Molecular, Cellular and Developmental Biology, The University of Michigan, Ann Arbor 2002–present; Visiting Professor, Laboratoire de Physiologie Generale et Comparee, Museum National D'Histoire Naturelle, Paris, France 2002; Editor, General and Comparative Endocrinology 2001–present; Secretary, International Federation of Comparative Endocrine Societies 2001–present.

SICB Activities: SICB member since 1985; Local organizing committee, Annual ASZ Meeting, San Francisco, CA 1987; DCE Representative to the Postdoctoral/Graduate Student Affairs Committee 1991–1993; DCE Nominating committee 1996; DCE Secretary 1999–2001; Co-organizer, Symposium on Amphibian Metamorphosis SICB annual meeting Chicago, IL 2001.

Other Memberships: Society for Neuroscience, Endocrine Society, American Neuroendocrine Society, AAAS.

Research Interests: Developmental neuroendocrinology, environmental endocrinology, evolutionary endocrinology. My research program currently focuses on two primary problems in developmental neuroendocrinology: 1) the neuroendocrine control of amphibian metamorphosis and 2) the molecular biology of thyroid and steroid hormone action in brain development.

Goals Statement: Members of DCE are truly integrative biologists, and often spearhead collaborations among participating divisions within SICB. As chair of DCE I will foster and extend such collaborations, especially by promoting and organizing jointly sponsored symposia. Advances in molecular biology have

transformed all areas of the life sciences including comparative endocrinology. I will work to recruit members working at the cutting edge of molecular and cellular endocrinology and help promote and organize symposia that focus on these areas. A major challenge to maintaining the vitality of our division and the society as a whole is to recruit new members. Towards meeting this goal I will organize a membership drive and follow carefully our membership and recruitment efforts. I will provide reports to the membership regarding recruitment and establish a means to recognize successful recruiting efforts. I will continue to work to increase the visibility of our field by representing our discipline both nationally and internationally at meetings of the Society for Neuroscience, Endocrine Society, European Society of Comparative Endocrinologists, and International Federation of Comparative Endocrine Societies (IFCES). As the current secretary of IFCES I am charged with maintaining the finances and the organizational structure of this important international society. I would bring this valuable international experience to the DCE chair position, and continue to establish and strengthen ties among DCE and the participating international comparative endocrine societies.

Mark Sheridan

Current Position: James A. Meier Professor, North Dakota State University, Fargo, ND and Director, North Dakota Experimental Program to Stimulate Competitive Research (EPSCoR)

Education: A.B., Zoology, Humboldt State University, 1980; M.A., Biology, Humboldt State University, 1982; Ph.D., Zoology, University of California—Berkeley, 1985.

Professional Experience: Assistant Professor of Zoology, North Dakota State University (NDSU), Fargo, ND., 1985–1991; Graduate Program Coordinator, Department of Zoology, NDSU, 1986–1990; Associate Professor of Zoology, NDSU, 1991–1997; Director, Regulatory Biosciences Center, NDSU, 1991–2000; Visiting Professor, University of Tokyo, Ocean Research Institute, Japan, 1994; Excellence in Research Award, NDSU, 1996; Professor of Zoology, NDSU, 1997–present; Visiting Professor, University of São Paulo, São Paulo, Brazil, 1998; James A. Meier Professor, NDSU, 1999–present; Associate Editor, General and Comparative Endocrinology, 2001–present; Associate Editor, Comparative Biochemistry and Physiology, 2002– present.

SICB Activities: SICB member since 1982; Organizer, Midwest Regional Conference on Comparative Endocrinology, 1989; DCE Nominating Committee 1990–1991 &1994 (Chair); Chair, DCE Best Student Paper Award Committee, 1991–1993; Chair, Graduate Student–Postdoctoral Affairs Committee, 1994–1996; DCE Program Officer 1996–1999; Symposium co-organizer, A Tribute to Erika Plisetskaya: New Insights on the Function and Evolution of Gastroenteropancreatic Hormones, 1999.

Other Memberships: AAAS, American Fisheries Society, Endocrine Society, North Dakota Academy of Science (President, 1999–2000), Sigma Xi (NDSU Chapter President, 1993).

Research Interests: Hormonal regulation of growth, development, and metabolism in vertebrate animals. My current research examines the function and evolution of the somatostatin signaling system.

Goal Statement: As the main association of comparative endocrinologists in North America, DCE should strive to make the annual SICB meeting a premier gathering for the field. We also should continue and strengthen our commitment to the professional development of students and postdoctorals. These goals can be

realized by offering a diverse and relevant scientific program, including topical symposia and mini-symposia as well as workshops that address methods and approaches in the field. We also must expand means to support student travel and enhance opportunities for "networking" with established scientists at the meeting.

Candidates for DCE Secretary

Kevin M. Kelley

Current Position: Associate Professor, Department of Biological Sciences & Marine Biology Program, California State University at Long Beach (<http://www.csulb.edu/depts/endo>)

Education: A.B., Zoology, University of California Berkeley, 1986; M.A. Endocrinology, U.C. Berkeley, 1988; Ph.D. Endocrinology, U.C. Berkeley, 1991.

Professional Experience: Postdoctoral Fellow, Devel. Genetics & Mol. Biol., Case Western Reserve University Medical School, Cleveland, OH, 1992–1993; Postdoctoral Fellow, Endocrinology, Oregon Health Science University, Portland, OR, 1993–1994; Assistant Professor, California State University at Long Beach, 1995–2000; Associate Professor, CSULB, 2001–present. Editorial Boards (J. Endocrinol.; Amer.J.Physiol.–R); grant panels (NSF, USDA).

SICB Activities: First annual meeting was 1988 A.S.Z., San Francisco and I have attended all but three (while postdoc) since then. Each year, I bring 3 student presenters to the annual meeting. Chair, Student/Postdoctoral Affairs Committee (SPDAC), 1998–2000 (this post is responsible for organizing 3 major events at meetings, including the popular Student/Postdoc Workshop); reappointed Chair, SPDAC, 2001–2004. Judge, Aubrey Gorman Award for Best Student Paper in Comparative Endocrinology, 1999 annual meeting. DCE Symposium Organizer, 2002, Beyond Carrier Proteins: Integrative and Evolutionary Roles of Hormone–binding Protein, published in a special issue of Journal of Endocrinology highlighting SICB–DCE symposium (Oct. 2002, vol. 175, <http://journals.endocrinology.org/joe/175/0001/1750001.pdf>).

Other Memberships: Amer. Fisheries Soc.; Amer. Soc. Ichthyologists & Herpetologists; Southern Calif. Acad. Sci.; Sigma Xi.

Research Interests: Comparative endocrinology of insulin and insulin–like peptides; metabolic hormone regulation in fish (e.g., goby IDDM); insulin–regulated glucose transporter (GLUT) molecular & physiological characterization in fish; growth regulation by IGFs, IGF receptors, and IGFBPs in fish and other (reptilian, murine) models; impacts of stress and xenobiotics on growth, metabolism, and reproduction in marine fish species.

Goals Statement: While I admit to early indoctrination by my mentors Howard Bern and Karl Nicoll, there is another key reason I am committed to SICB as my primary professional membership. There is no equivalent society in which students & postdocs are afforded such an excellent opportunity to present their science to, and intermingle with, the very best scientists of our field. As a faculty with research students, I view SICB

meetings as a venue that fosters their development and ultimate success. Additionally, our division, DCE, is an important gathering and focal point, or home, for comparative endocrinology as a field. As DCE Secretary, my major goals will be the following: 1. To disseminate up-to-date information on upcoming events, conferences and relevant funding opportunities of specific interest to DCE members; 2. To increase the importance of our Representative to the Student Postdoctoral Affairs Committee (SPDAC), particularly in terms of disseminating information to DCE student & postdoc members to promote their involvement (e.g., contribution of article from SPDAC Rep to the Newsletter; inclusion of a 'S-PD report' at DCE Business Meeting; regular communications via email); 3. To promote interaction and collaboration among DCE colleagues and their research programs, which in part should be accomplished by including on <http://www.SICB.org> DCE members' laboratory website links; 4. To otherwise promote the strengths and interests of SICB and its type of science.

L. Michael Romero

Current Position: Associate Professor of Biology, Tufts University, Adjunct Assistant Professor of Environmental and Population Health, Tufts University School of Veterinary Medicine

Education: BA in Biology, Swarthmore College, 1988; MS in Biology, Stanford University, 1992; PhD in Biology, Stanford University, 1993

Professional Experience: Postdoctoral Fellow, Department of Zoology, University of Washington, 1993–1996; Assistant Professor, Department of Biology, Tufts University, 1996–2002; Associate Professor, Department of Biology, Tufts University, 2002–present; Adjunct Assistant Professor, Department of Environmental and Population Health, Tufts University, School of Veterinary Medicine, 1999–present; Served as grant reviewer on the National Science Foundation Neuroendocrinology Panel (IBN)

SICB Activities: Member since 1996; Judge for "Best Student Paper" awards committee for DCE at 1998 meeting; Chaired "Best Student Paper" awards committee for DCE at 2001 meeting.

Other Memberships: American Physiological Society; Cooper Ornithological Society; Sigma Xi; Society for Neuroscience; Society for Behavioral Neuroendocrinology

Research Interests: My research focuses on understanding the vertebrate stress response. Specifically, I am interested in understanding how glucocorticoids interact with other hormonal, physiological, and behavioral systems in creating an integrated stress response that allows wild animals to survive in their native habitats.

Goal Statement: I feel that SICB, and especially DCE, serves an important role in promoting integrative and comparative science. Even in this age of the human genome project, the comparative approach continues to be valuable in attacking many problems in endocrinology. For this reason, I would like to work to support and publicize our national and regional meetings so that comparative endocrinology continues to thrive.

Division of Comparative Physiology & Biochemistry (DCPB): 2003 Spring Newsletter

In this newsletter:

- [Message from the Chair](#)
 - [Message from the Program Officer](#)
 - [Message from the Secretary: Business Meeting Minutes and Candidates for Election](#)
 - [Message from the Graduate Student/Postdoc Representative](#)
 - [Message from the DCPB Representative to IUPS](#)
 - [The George A. Bartholomew Award](#)
-

Message from the Chair

Nora B. Terwilliger

What a feast or perhaps more of a progressive dinner the past six months have been. Our appetites for comparative physiology and biochemistry were whetted in San Diego in August 2002 at the APS Joint Comparative Meeting, we dined on feasts of fact and fancy at the SICB meeting in Toronto in January 2003, and for dessert, the International Congress of Comparative Physiology and Biochemistry (ICCPB) in Australia at Mt. Buller in February 2003. Members of DCPB have been represented well at all three venues. Several highlights of our SICB Toronto meeting included Martin Feder's stimulating Past Presidential Address, Adam Summers' Bartholomew Award Lecture (see below for more details) and our DCPB sponsored symposia. At the ICCPB meeting, George Somero, who gave the introductory Knut Schmidt-Nielsen Lecture, and plenary lecturers Barbara Block and Lynn Riddiford, are members of DCPB, and at least six of the symposia were organized by DCPB members.

And the winners are...

I am delighted to announce the results of the DCPB Best Student Presentations at the SICB Toronto 2003 meeting:

Best Student Talk

- ◆ The winner: Scott Kirkton, Arizona State University (Kirkton, S.D. and Harrison, J.F., "Developmental and interspecific body size effects on grasshopper jumping performance").
- ◆ Second place: Oliver Love, McGill University (Love, O.P., Bird, D. M. and Shutt, L., "Plasma corticosterone in captive sibling American kestrels: effects of age, hatching order and hatching asynchrony").
- ◆ Third place: Jonathan Cohen, Duke University Marine Laboratory (Cohen, J.H. and Forward, R.B. "Photoresponses of the copepod *Calanopia americana* involved in diel vertical migration").

Best Student Poster

- ◆ The winner: Mark Haussman, Iowa State University (Haussmann, M.F., Winkler, D.W., O'Reilly, K.M., Huntington, C. E. and Vleck, C. M. , "Telemere shortening in

birds varies with life span").

◆ Runners up:

- ◊ Michelle Monette, University of Massachusetts, Amherst (Monette, M.Y. and McCormick, S.D., "Effects of short-term, sub-lethal acid/aluminum exposure on seawater tolerance and endocrinology of Atlantic salmon smolts").
- ◊ Steve Dinkelacker, Miami University (Dinkelacker, S.A., Costanzo, J.P. and Lee, R. E., "Cold hardiness and desiccation resistance in hatchling *Emydoidea blandingii*").

The first place winners, Kirkton and Haussman, will each receive a check for \$100 from DCPB. Congratulations to all of you for a fine job. We thank the chair of the Student Presentation Competition, Kevin Krajniak, for his excellent work in organizing the judging of the contest. Helping him were judges George Bourne, Marty Kapper, David Tapply, and Donna Wolcott on posters, and judges Mary Chamberlin, Ed Dzialowski and Rich Londraville on talks. Thanks for your enthusiastic participation and critical evaluations. Welcome to Donna Wolcott, our new DCPB Chair-Elect (she'll be assuming office after the SICB New Orleans 2004 meeting), and Michael Dickinson, our new DCPB Program Officer. Sincere thanks to Jon Harrison, our outgoing (in all respects) Program Officer for such a good job over the past two years. A significant new opportunity for linking the sometimes disparate fields of comparative and medical physiology is available now as we plan symposia and special topics for the IUPS 2005 Congress to be held in San Diego. Be sure and read the message from Lou Burnett, the DCPB representative to IUPS, about the strong planning underway by DCPB/SICB and APS Comparative Section for this upcoming international congress. It is especially important during these turbulent political times for academic scientists to reach out and interact on a global basis with our colleagues.

Message from the Program Officer

Michael Dickinson

Farewell and Thanks! The first item this spring is to thank my predecessor, Jon Harrison, for the exceptional job he has done over the past several years as program officer for DCPB. Jon has helped orchestrate a diverse and stimulating array of symposia, and will continue to provide leadership for both the Division and SICB as a whole.

Toronto: By all accounts the Toronto meeting was a great success. Special Congratulations to Adam Summers, who received this year's Bartholomew Award. Many thanks to Hubert Vaudry, who traveled from France to give the Howard Bern Lecture. We are privileged to be able to honor Bart and Howard each year.

New Orleans: We have a great assortment of symposia to match this great city.
DCPB will offer:

- Ontogeny of physiological regulatory mechanisms: Fitting into the environment (Carl Reiber).
- Selection Experiments as a Tool in Evolutionary and Comparative Physiology: Insights into Complex Traits (John G. Swallow and Theodore Garland, Jr.).

All three society-wide symposia are of special interest to the Division:

- Integrative Biology: A Symposium Honoring George A. Bartholomew (Ray Huey)
- The Integration of Comparative Genomics and Ecological/ Evolutionary Studies (Scott Winters)
- In Vino Veritas: The Comparative Biology of Ethanol Consumption (Robert Dudley). This last symposium was delayed for a year on the assumption that New Orleans might be a better venue for this topic. Missing, alas, is a symposium on the dietary impact of crayfish muscle.

Thanks to all the organizers, as well as Jon, for putting together such a great program. On a culinary note – I highly recommend the muffuletta sandwiches at the Napoleon House, 500 Chartres St. Take a table in the outdoor atrium.

San Diego: The time has arrived to start planning symposia for the 2005 meeting. Symposia may run either within DCPB or across divisional boundaries and represent one of the best ways for us to live up to our integrative philosophy. Interest in organismal approaches is growing in many disciplines within Biology, including those outside the traditional realm of SICB. The symposia are an excellent opportunities for us to recruit scientists from these fields, and I encourage you to organize events that help to cross-fertilize our discipline. Please email me (flyman@caltech.edu) to discuss your ideas. Official Applications are due August 15, and general instructions are provided on the Society webpage (<http://www.sicb.org/meetings/2005/index.php3>). Other Meetings: SICB is helping to organize 35th Congress of the International Union of Physiological Sciences in San Diego, March 31–April 5, 2005. Details regarding this meeting can be found in the *Message from the DCPB Representative to IUPS* below.

Message from the Secretary

Mary E. Chamberlin

SICB DCPB BUSINESS MEETING MINUTES, January 5, 2003.

The minutes of the last business meeting were approved and the new officers, Donna Wolcott (chair-elect) and Michael Dickinson (program officer), were introduced and welcomed and thanks were extended to all the candidates that ran.

Jon Harrison announced the symposia that would be of interest to DCPB members at the next SICB meeting (New Orleans). The deadline for symposia for the 2005 SICB meeting (San Diego) is late summer. Please see details about the New Orleans and San Diego meetings in the *Message from the Program Officer*. The next IUPS meeting will be in San Diego in 2005. Please see details regarding this meeting in the *Message from the DCPB Representative to IUPS* below. Finally, Jon asked for feedback for the organization of the Toronto SICB meeting. There was some discussion that the having the posters at noon was fine but there was a concern that the duration of the sessions was too short. The noon time was chosen because there were suppose to be no other events happening at that time, but time conflicts with several meetings did arise.

Bill Zamer from the National Science Foundation announced that NSF is looking for a divisional director for Integrative Biology and Neurosciences (IBN). He asked the group to think of people who would have the following qualifications: 1) significant administrative experience (e.g. Dean's level), 2) be a good spokesperson for integrative biology, especially organismal biology, and 3) have the breadth and training to appreciate the variety of subdisciplines represented in IBN. NSF is also looking for IBN rotating program officers for Plant Biology and Ecological and Evolutionary Physiology. Please contact Bill Zamer (wzamer@nsf.gov) if you have suggestions regarding the divisional director or program officer positions. Bill

was asked if there are new directions for the NSF programs. The Biological Sciences and Geological Sciences Directorates will be increasing support Frontiers in Integrated Biological Research (FIBR), which invites studies dealing with different levels of organization and are often cross–directorate research programs.

Marvalee Wake asked for volunteers for SICB officers. She was asked about the scheduling of the 2005 SICB meeting in San Diego when the IUPS will be held in San Diego in the spring of 2005. She stated that this concern had been considered when the 2005 SICB meeting was organized. It was decided that it was in the best interests of the entire SICB to stay with the San Diego site.

Pat Walsh and Tom Mommsen, co-editors-in-chief of the journal, *Comparative Biochemistry and Physiology*, gave a report about the journal. Pat indicated that there are two associate editors from DCPB, Don Jackson and Mark Sheridan. The journal does produce symposium issues (refereed articles) and every two years these are made available to the public on CD's. Good review articles are being sought and the idea of a Reviews Editor or an Associate Editor-in Chief is under consideration. If you have anyone you would like to suggest please contact Pat (pwalsh@rsmas.miami.edu) or Tom (tpmom@uvic.ca). Tom Mommsen gave an overview of journal's activities in the last year:

- 904 submissions
- As of July, the rejection rate was ~40%
- From July 2001–July 2002 over 1500 reviewers were involved in assessing manuscripts.
- The journal is switching over to a new computer-based tracking system in which a potential reviewer can read a manuscript's abstract and then download the full article (pdf file) if he/she agrees to review the paper.

Al Bennett gave a presentation for the editor of *Physiological and Biochemical Zoology*, Jim Hicks, who could not be at the meeting. In Jan. 2002 the journal moved to U.C. Irvine and changes have been made to the journal:

- a new cover reflecting an ecological and evolutionary emphasis
- a double-blind review system
- submissions are now made over the internet and decision letters are sent out by e-mail

Submissions have increased (the number of 2002 submissions is 45% higher than in 2001) so the number of papers in each issue has been increased from 10 to 15. 58% of the submissions are from non-U.S. countries. The rejection rate is 49% and the 1999–2000 impact factor was 2.54 (for comparison, Am.J.Physiol. Regulatory Biology = 2.77). The time from submission to initial decision takes on average 82 days. The average time to a final decision is 111 days. Several factors can slow the turn around time:

- Not electronically submitting the article
- Submitting the article electronically, but submitting the figures by post
- 35% of the reviewers are late in submitting the reviews (mean late period is 2 weeks). The journal has addressed this problem by contacting potential reviewers via e-mail and asking reviewers to return their reviews in 3 weeks. If the reviewer is 72 hours late, they are e-mailed a reminder.

Martin Feder, editor of the comparative physiology section of the *Annual Review of Physiology*, asked that if anyone is interested in submitting reviews, please contact him (m-feder@uchicago.edu).

Nora Terwilliger commented on the problems with students registering for the best student presentation awards for the Toronto meeting. Ideas for changing the procedure will be sent out to the members of DCPB in the future. Nora reported on the Chair's luncheon at which there was a discussion regarding recruiting new

members to SICB and the idea of creating a "functional genomics" division. A member of the DCPB group commented there is already functional genomics in DCPB. Finally, Nora has asked SICB for funds for supporting symposia at the next IUBS and IUPS meetings.

ELECTION OF OFFICERS

We are holding elections for DCPB Secretary. The electronic ballots will be distributed during the summer. Please be sure to vote when your ballot arrives!

Secretary Candidates

E. Eugene Williams

Current Position:

Assistant Professor of Biological Sciences, Salisbury University, Salisbury, Maryland.

Education: B.S., Marine Biology, 1984, University of North Carolina at Wilmington; M.S., Marine Biology, 1987, University of North Carolina at Wilmington; Ph.D., Zoology, 1992, Arizona State University.

Professional Experience: 1999–present, Assistant Professor, Department of Biological Sciences, Salisbury University. 1995–1999, Postdoctoral Research Associate, Department of Biology, Indiana University Purdue University at Indianapolis. 1993–1995, Postdoctoral Research Associate, Department of Zoology, Oregon State University.

SICB Activities: Member for 14 years. Presented eight posters or talks at our annual meetings, both as a student and as an Associate Professor with students. Symposium speaker for the SICB symposium, "The Biology of Lipids: Integration of Structure and Function" in Albuquerque (1996).

Other Memberships: International Society for the Study of Fatty Acids and Lipids (charter member); Biophysical Society; American Association for the Advancement of Science; Sigma Xi, the Scientific Research Society; The Honor Society of Phi Kappa Phi.

Research Interests: My research centers on the integrated cell biology, biochemistry, and biophysics of the membranes of animal cells. I am particularly interested in how individual membrane lipids contribute to overall cell and membrane function. My current work focuses on the curious requirement for specific polyunsaturated fatty acids in the membranes of many cold water fish and invertebrate species, and how these same fatty acids are able to dramatically inhibit the proliferation of tumor cells. I am also examining the role of membranes and membrane lipids in the molt cycle of the blue crab. Undergraduate researchers are heavily involved in all these projects. I put a significant amount of effort towards training undergraduates in research techniques so that when they enter graduate or professional school they are able to succeed quickly. Please visit our web site: <http://henson1.salisbury.edu/~biology/faculty/Williams%20lab/web/index.htm>.

Statement of Goals: The Divisional Secretary's job is to keep divisional records and conduct business affairs through discussions with the other division officers. Another very important function is to facilitate communication between the Division and its members. I intend to use the ideals and standards established by our previous Secretaries to continue to provide you excellent service in all these regards. I will make extensive use of the internet and e-mail to accomplish these goals. I have a long-term commitment to this Society and this Division, and I will work hard to serve them well.

Paul H. Yancey

Current Position: Professor and Carl E. Peterson Endowed Chair of Science, Biology Department, Whitman College, WA, <http://people.whitman.edu/~yancey>

Education: B.S., 1973, Biology, California Institute of Technology; Ph.D., 1978, Marine Biology, Scripps Institution of Oceanography—University of California San Diego.

Professional Experience: NATO Postdoctoral Fellow, University of St. Andrews, Scotland, 1978–1980; Visiting Research Scientist, National Institutes of Health, 1987–88; Visiting Fellow, University of Otago, New Zealand, 1994 and 1998; Assistant, Associate, and Full Professor, Whitman College, 1981–present.

SICB Activities: Member since 1982; symposium speaker for SICB symposium on cell volume regulation (Atlanta, 2000); six other presentations, some with undergraduate researchers, at SICB annual meetings since 1996.

Other Memberships: American Physiological Society; AAAS (nomination committee officer, 1992–94); Sigma Xi (vice-president of local chapter, 1999– 2002); Council on Undergraduate Research (local Institutional Liaison, 1995– present).

Research Interests: My work focuses on organic osmolytes in marine animals and mammalian kidney and brain. We seek to understand why osmolyte molecular types differ among species from different taxa and from different habitats. In particular, certain osmolytes may protect proteins from internal and external stresses including urea, salt, temperature, hydrostatic pressure, and sulfide. Currently we are studying osmolytes in animals from the deep sea in general and from hydrothermal vents and cold seeps.

Statement of Goals: Scientific societies have increased efforts to reach out to future scientists, the educators that teach them, and the general public. I believe this trend should be accelerated. For SICB/DCPB, this would include more efforts to foster undergraduate meeting participation, provide more online resources for educators, and provide more job and internship resources for both undergraduate and graduate students.

Message from the Graduate Student/Postdoc Representative

Jennifer Head

Toronto's meeting offered SICB's usual eclectic melange of cutting-edge science from a breadth of fields, but for anyone involved in the DCPB, the highlight was undoubtedly the symposium in memory of Peter Hochachka. As is probably the case for the majority of younger members of DCPB, although I did have the pleasure of meeting Peter, I never had the opportunity to work with him, nor did I know him personally. In spite of this, his work played a monumental role in the route that my interests took as a budding physiologist interested in the genetic and biochemical basis of environmental adaptations, and provided a solid foundation upon which we were all able to build. At the risk of sounding terribly cliché, I truly believe that his impact on

and contribution to the field will persist through research and further characterization of the systems in which he was interested, and that this will largely be accomplished by our generation of physiologists.

Since I still have the platform, I would like to mention that the DCPB holds its business meeting at the annual SICB meetings, and to remind all student members that we are invited and strongly encouraged to attend. We are, after all, a very integral part of the division. In other business, when it comes time to register for the next annual meeting, keep in mind that the student award deadlines are the same as the registration deadline and that if you are interested in competing for an award, be sure to indicate so by checking the box by the abstract.

As usual, feel free to contact me at jhead@oimb.uoregon.edu with any comments and/or questions. Until next time...happy hunting.

Message from the DCPB Representative to IUPS

Lou Burnett

The 35th Congress of the International Union of Physiological Sciences (IUPS; <http://www.iups2005.org/>), "From Genomes to Functions", will meet in San Diego, California from March 31 to April 5, 2005.

Throughout the 20th Century, the IUPS Congress has served as an international forum to bring together physiologists from around the world to disseminate new knowledge, renew old relationships, and forge new relationships among physiologists from distant lands. The Congress program will focus on the vibrant new role that physiology is playing in relating the genome to complex functions of many life forms.

Under the auspices of the U.S. National Academy of Sciences IUPS 2005 is being organized by the six member societies of the U.S. National Committee of the IUPS: the American Physiological Society (<http://www.the-aps.org/>), the Society for Neuroscience (<http://web.sfn.org/>), the Microcirculatory Society (<http://microcirc.org/>) the Society of General Physiologists (<http://www.emory.edu/CELLBIO/SGP/sgp.htm>), the Biomedical Engineering Society (<http://www.bmes.org/>), and the Society for Integrative and Comparative Biology (<http://www.sicb.org/>),

SICB is represented on the U.S. National Committee of the IUPS by Lou Burnett. Lou Burnett and Nora Terwilliger are also serving on the National Organizing Committee for the IUPS 2005 meeting. Barbara Block is serving on the International Scientific Programming Committee for this meeting. Malcolm Gordon is chairing the Comparative Physiology Commission. We hope the comparative physiologists will make a strong showing at this meeting. Suggestions for symposia and other program features are being solicited. The deadline is May 15, 2003. Check out the IUPS 2005 web site (<http://www.iups2005.org/announce/programcall.htm>) for details. Contact any of the above-named SICB members for further information or to pass along suggestions (Lou, BurnettL@cofc.edu; Nora, nterwill@oimb.uoregon.edu; Barbara, bblock@leland.stanford.edu; Malcolm, msgordon@ucla.edu).

The George A. Bartholomew Award

Adam Summers graduated from Swarthmore College in 1986 with a BA in Mathematics, a BS in Engineering, and no training in Biology at all. After stints as a SCUBA diving instructor, private investigator and free-lance computer consultant, he took up the study of herpetology with Herndon Dowling at NYU. In 1992 he received a masters degree in Biology and after a brief stint in Phil Motta's lab at the University of South Florida headed to the University of Massachusetts to pursue a Ph. D. with Beth Brainerd. The collegial atmosphere of the lab fostered collaborations with Karel Liem on bony fish functional morphology and with Tom Koob on the biochemical correlates of material properties. After a peripatetic research program Adam settled on the form and function of the cartilaginous skeleton as a fruitful system for asking questions about the evolution of skeletal material properties and receives his degree in 1999.

Adam then abandoned the ice storms and snow of western Massachusetts, heading west to the University of California at Berkeley to take up a Miller Research Fellowship supervised by Marvalee and David Wake. He worked on several projects involving the functional morphology of the enigmatic and endearing caecilians and began an investigation of the effects of genome size on appendicular musculature in plethodontid salamanders. In 2001 he moved to still warmer climes of southern California to take a position as an assistant professor at UC Irvine. In addition to continuing work on the biomechanics and evolution of connective tissues Adam writes a monthly column for Natural History Magazine in which he highlights current biomechanical research.



The 2002 Bartholomew Award recipient, Adam Summers

Division of Developmental & Cell Biology (DDCB): 2003 Spring Newsletter

Message from the Chair

Patricia Glas

At the Annual Meeting in Toronto, it was decided by the five attending members that the division should take a hiatus. The attending members suggested that the Division associate with the Division of Evolutionary Developmental Biology until such time as membership and interest in the developmental and cell biology aspects were once again sufficient to sustain the division. Thus, the DDCB Chair (Patricia Glas) and the Chair of DEDB (Gunter Wagner) are drawing up a contract to maintain the identities of the two divisions while allowing the DDCB membership to benefit from the DEDB activities. The final contract will be presented to members of both divisions in the near future. The division will continue to explore options for revitalizing the division.

Meanwhile, DDCB continues to participate in Society events. We are co-sponsoring one of the symposia with the Division of Comparative Endocrinology for New Orleans and a symposium with DEDB in San Diego, and will continue to have a Program Chair to work with the Society on meeting preparations. Jessica Bolker did a fantastic job coordinating the sessions in Toronto with DEDB.

Patricia Glas
March 2003

Division of Evolutionary Developmental Biology (DEDB): 2003 Spring Newsletter

In this newsletter:

- [Message from the Chair](#)
 - [Message from the Program Officer](#)
 - [Message from the Secretary](#)
 - [Message from the Student/Postdoc Representative](#)
-

Message from the Chair

Günter Wagner

Dear Members of DEDB,

As you can see from the detailed reports from our program officer, Eduardo Rosa–Molinar, and our secretary, Frietson Galis, the meeting in Toronto was a great success. The contributed paper sessions related to evolutionary developmental biology were excellent and exciting. Ours is a vibrant and growing field and it was great to see the enthusiasm of the graduate students and postdocs participating in these sessions.

There are some changes in the working for the bylaws of the division as well as a possible association with the division of cell biology. These were proposed and discussed in the business meeting in Toronto but will be available in complete form to the whole membership to review before they become effective. These changes have the goal to make the division more effective. The idea is to make a small group of officers responsible for performing the business of the division while holding them responsible and responsive to the membership of the division at large. I will prepare, together with the other officers of the division, a draft of the changes and will have them posted on the divisional web site. When this web page goes life, you will be informed by an email and you will be invited to review them. I would hope that you will take the opportunity to give advice to the officers of the division.

Most importantly, I want to introduce, again, our new chair-elect, Brian Hall. I am profoundly grateful to Brian that he is willing to offer his leadership and wisdom to the division. I am convinced that the division has chosen an excellent and effective leader who will further enhance the division as well as the science it is serving. Please join me in welcoming Brian to the leadership of the division.

I am also very encouraged by the fact that our division has little difficulty in filling important functions for the life of the division. Yale Pasternack has volunteered to be our representative at the student affairs committee. Paula Mabee, Patricia Hernandez and Marcus Davis volunteered to become members of the nomination committee. In a time where many divisions of SICB and other scientific societies have difficulty in finding volunteers I am particularly grateful to Paula, Pat, Marcus and Yale to come forward and help the division. Thank you!

Finally, please think of the possibility to submit proposals to the Divisions for symposia in 2005. This is a great opportunity to enhance the science you care about by shaping the discussion in this area (see the

newsletter from our program director). This includes the call to our graduate student and postdoctoral members to elect speakers for the Student/Postdoc Invited Speaker Symposium (see newsletter article by our student/post doc representative).

And do not forget, this is your division, make it into what you want it to be.

Sincerely Yours,

Günter Wagner, Chair DEDB

Message from the Program Officer

Eduardo Rosa-Molinar

¡Saludos from Puerto Rico! The results of the "Best Student Paper Competition" in the Division of Evolutionary Developmental Biology (DEDB) from the recent 2003 SICB meeting in Toronto, Canada are in. Although there were many excellent DEDB presentations, for the third straight year the Program Committee found two outstanding presentations. I also want to take this opportunity to thank all of the students and faculty mentors who entered and encouraged their students to enter the Best Student Paper Competition. Your participation was critical in making this meeting a success.

The results of the DEDB 2003 Best Student Paper Competition are:

- I. Dworkin, University of Toronto, Canada, for his presentation entitled: "*Simplifying Waddington's Legacy: Variation, Canalization and Asymmetry*"
- K. R. Thomas, University of Chicago, Chicago, for her presentation entitled: "*Evolutionary Conservation and Modularity in Cranial Ossification Sequences of Ostariophysan Fishes*"

Congratulations to Ian and Rebecca for their excellent work and many thanks to the judges for taking time out of their busy schedules to evaluate all of the student presentations. Ian's and Rebecca's presentations exemplify the outstanding work being done by DEDB students, faculty mentors, and collaborators. Keep it goin'!

Both Ian and Rebecca were awarded a \$100.00 cash prize and the Blackwell Publishing Book Award. I would like to thank Ms. Nancy Whilton from Blackwell Publishing for supporting the book award.

I also want to thank our last year's winners P. Kaplan, from the University of Michigan and P. L. Crotwell from the University of South Dakota for their patience. Peter and Patricia did not receive their \$100.00 cash awards and Blackwell Publishing Book Award until this year's meeting.

The symposiums co-sponsored or sponsored by DEDB were very well attended and resulted in stimulating discussions and debates. The "*Patterns and Processes in the Evolution of Fishes*" symposium was organized by F. Santini and G. Ybazeta and co-sponsored by DEDB, and the "*Kowalevsky Mini-Symposium*" was organized by Günter Wagner and E. Rosa-Molinar and sponsored by DEDB. Science was interested enough to provide a little press coverage. Our thanks to the organizers, speakers, and attendees for making the 2003 SICB meeting a success.

For the 2004 SICB meeting in New Orleans, it appears DEDB will be sponsoring one symposium "Morphological Innovation" organized by G. B. Müller and S. A. Newman. The symposium will focus on organismal formative processes that extend beyond the genetic level — physical/material properties, architectural constraints, and the dynamical properties of reaction–diffusion systems embodied in genetic and developmental networks. Speakers will describe experimental and theoretical analyses that illuminate scenarios of morphological innovation in a variety of vertebrate and invertebrate systems.

Keep checking the SICB website and DEDB newsletter for updates regarding the final list of DEDB sponsored or co-sponsored symposia at the 2004 meeting in New Orleans as well as for news regarding the new DEDB website. The DEDB website will be linked to the SICB divisional website and will make it faster and more convenient for you to receive DEDB news and updates.

It is time to begin planning new symposia for the 2005 SICB meeting in San Diego, January 4–8, 2005. Please feel free to contact me if you would like to discuss ideas for symposia. An official call for 2005 symposia can be found on the SICB webpage (<http://www.sicb.org>). The symposia at San Diego will be broken into two groups: (1) divisional or co-sponsoring society symposia and (2) society-wide symposia. Symposia proposal(s) are DUE August 15, 2003. Encourage your graduate students and colleagues to join SICB and the DEDB and keep sending your original research papers and/or symposia to Evolution and Development (Blackwell Science, Inc.), Molecular and Developmental Evolution (Wiley–Liss, Inc), or to the Journal of the Society of Integrative and Comparative Biology (Allen Press, Inc). These journals are all sponsored by SICB. I hope to see you all in New Orleans.

¡Hasta Pronto!

Message from the Secretary

Frietson Galis

Dear members of the DEDB, here are the minutes of our well-attended business meeting at the conference:

Business meeting DEDB, Monday, 6 January 2003

- Opening of the meeting by our Chair, Günter Wagner.
- Proposal for changes in the bylaws of DEDB:

Nomination committee (three full members, appointed by Chair)
–Program committee
–Divisional committee (DC: Chair, Chair elect, past Chair, Program Officer, Secretary)
–Best paper award committee (three full members, appointed by Program Officer)
–Each committee can be augmented with divisional members in agreement with the majority of DC members.
–The quorum for decisions by the DC are the Chair, Secretary, and Program Officer.
–Exception: nomination committee; quorum included the three members at large.

The proposal was encouraged by those present at the meeting.

- Call for nominations for members of the nomination committee

Paula Maybee, Patricia Hernandez and Marcus Davis volunteered to become members of the nomination committee.

- Call for nominations for the office of Secretary before 1 March 2003.
- Announcement of our first social immediately following the business meeting, jointly with the Division of Morphology.,
- Introduction of Chair Elect, Brian Hall
- Proposal for association with DDCB

–Contact of association which can be cancelled by either division.

–Joint officers, elected by the combined membership of DDCB and DEDB, with the exception of the chair (there will be two Chairs).

–Joint program development

The proposal for association with DDCB was encouraged by those present at the meeting.

- Report of the Program Officer, Eduardo Rosa–Molinar

–A successfully high number of submissions for talks at the symposium.

–Two symposia organized or co-organized by our division, on "Patterns and Processes in the Evolution of Fishes" and a mini–Kowalevsky symposium for the prizewinners of the Kowalevsky prize

– One suggested symposium for next year on Morphological Innovation (see message of Eduardo Rosa–Molinar).

–Report on the Best student award. Students should be encouraged more to enter the best paper award competition. The forms should be changed such that there is automatic enlistment unless otherwise marked (see also message from Brad Davidson).

- Report of the Secretary, Frietson Galis

–The board of SICB has noted that the continuity between different officers is not optimal. The board has, therefore, suggested that for all officers there will be a period of overlap between the start of activities of the elected officer and the end of the activities of the current officer. For the chair and program officer this is already the case, but not for the secretary. The meeting agrees with the proposal by the board on a secretary–elect.

–We will list meetings of interest for our division on our webpage. Please notify us of relevant meetings and other relevant information (galis@rulfb.leidenuniv.nl).

–We are making an effort to provide contact information of all our divisional members on the website. This should be done in a way that the privacy of members is respected. This is being discussed with the board of SICB.

–The board of SICB asks whether the newsletter of our division can be mailed in an email with reference to the website where this information can also be found, or whether members prefer the newsletter in an attachment. The meeting agrees that an attachment is not necessary.

- Report of the Student/Postdoc Representative, Brad Davidson
Efforts to increase the student post-doc participation and membership in the division: see [message from Brad Davidson](#)
 - Meeting closed by our chair, Günter Wagner.
-

Message from the Student/Postdoc Representative

Brad Davidson

Another great meeting this year in Toronto, proof once again what an exceptional forum the SICB meetings are for the highly cross-disciplinary field of evo-devo.

1. STUDENT/POSTDOC INVITED SPEAKER SYMPOSIUM – In order to increase student/post-doc participation and membership in our division I will be organizing an invited speaker symposium for the 2005 meeting. This will involve soliciting student/post-doc recommendations for researchers they feel are working on highly innovative projects and voting on the top choices who will then be invited to speak (much like student organized symposia common to many departments). Hopefully, this will then become a regular event. More to follow in the coming months..
2. BEST STUDENT PAPER JUDGES – In order to increase participation in the Best Student Paper award, we will be changing the means for signing up. Thus we will need more judges. If you are interested in being a judge or in helping to coordinate this effort please contact me.
3. SDB RECRUITMENT – In order to try and draw more developmental students/postdocs to attend the SICB meetings we hope to advertise at the SDB meetings this summer. Ideally, there should be high overlap between membership in SDB and in our division. If you would be willing to help design a flyer for inclusion in the SDB program, please contact me.

Thanks,
Brad Davidson

Division of Ecology & Evolution (DEE): 2003 Spring Newsletter

In this newsletter:

- Message from the DEE officers
 - Candidate list for elections
-

Message from the Chair *Mary Alice Coffroth*, Secretary *Michael Temkin* and Program Officer *Emily Carrington*

Greetings from the DEE officers. We want to thank everyone for helping to make the Toronto Meeting such a successful and enjoyable meeting. DEE co-sponsored two stimulating symposia, "Patterns and Processes in the Evolution of Fishes" and "Selection and Evolution of Performance in Nature". At the Toronto meeting Mary Alice Coffroth assumed the role of DEE Division chair and Emily Carrington became the new Program Officer. We were both glad to have Mike Temkin (the current DEE secretary) to help smooth the transition. We would like to extend a big thank you to the out-going officers, Cathy McFadden and Brian Helmuth. You did a wonderful job!

At the Toronto meeting, twenty-five students competed for the DEE best oral presentation award and five students competed for the best poster presentation award. As always the judges had a very hard time selecting the winners of the competitions. This year's winner of the best oral presentation was Hannah Stewart (University of California at Berkeley) for her talk entitled "Hydrodynamic consequences of buoyancy versus flexural stiffness in the tropical alga *Turbinaria ornata*." The winner of the best poster presentation was Cynthia Lewis (State University of New York at Buffalo) for her presentation entitled "Changing horses in midstream: secondary zooxanthellae uptake by the Caribbean octocoral *Briareum asbestinum* following an experimentally induced bleaching event." Hannah and Cynthia each receive \$100 and our best wishes for continued success in their research endeavors. We thank all of the DEE members who graciously volunteered to serve as judges for the competition: Michael Angilletta Jr., Marilyn Banta, Brian Beckman, Rachel Bowden, Mary Alice Coffroth, Goggy Davidowitz, Chuck Drabek, Jen Elwood, Bobby Espinoza, Mike Finkler, Craig Frank, Mike Hart, John Hranitz, Fred Janzen, Sonke Johnsen, Frank Knight, Karen Martin, Tammy McGovern, Scott McWilliams, Bruno Pernet, Val Pierce, Bob Podolsky, Margaret Rubega, Ken Sebens, Tony Steyermark, Bob Thacker, Tim Watkins, Linda Walters, Cheryl Wilga, and Woody Woods.

We are already beginning to develop the program for our next annual meeting in New Orleans, where Michael Angilletta, Jr. is organizing a DEE symposium on "The evolution of thermal reaction norms for growth rate and body size in ectotherms". In response to the very lively discussion on the scheduling of poster sessions in Toronto, we will lobby for a sociable time slot for the poster presentations in New Orleans. It is also time to think about symposia for the San Diego, 2005. Please direct suggestions/inquiries to Emily Carrington (carrington@uri.edu).

The society has asked each division to develop a Divisional webpage and Michael Boller of the University of Rhode Island has agreed to help us with this project. However, we would like input from you, the members, as to what would be useful to include on the webpage. Please send any and all suggests to either Mike at

boller@uri.edu or to one of the DEE officers.

We will soon be holding elections for the position of "Chair-elect". This term runs for one year (2004) and then the person assumes the duties of DEE Division Chair at the end of the 2005 meetings (San Diego). Fred Janzen from Iowa State University and Linda Walters from University of Central Florida have agreed to run for this office and their biographical sketches are provided below.

At the Divisional Meeting in Toronto the following amendments to our by-laws were also approved:

Article III. Administrative Organization

Section 1. Officers

The Officers of the Division shall be Chair, Past-Chair, Chair-Elect, Secretary, Program Officer and Past Program Officer. The Chair-Elect shall be elected biennially and shall then automatically become Chair for the two years following his/her tenure as Chair-Elect. Upon completion of his/her term as Chair he/she shall serve as Past-Chair for one year. The Secretary and Program Officer shall be elected triennially and shall hold office for three years, but not to commence in the same year; neither shall be eligible for reelection. If for any reason a divisional office should become vacant before the expiration of the normal term and there is no officer-elect to assume the duties, the Divisional Executive Committee, in consultation with the President of the Society, will appoint a replacement for the remainder of the term.

Article IV. Duties of the Officers

Section 2. Chair-Elect and Past-Chair

The Chair-Elect or Past-Chair shall assume the duties of the Chair whenever that person is unable to act.

(The full text of DEE's by-laws is available on the SICB website at:

<http://sicb.org/handbook/bylaws.php3#deebylaws>)

Division of Ecology and Evolution Business Meeting Minutes

Twenty-four people attended the meeting which was convened at 5:16 pm

After the meeting called to order, the division officers (Mary Alice Coffroth – President, Emily Carrington – Program Officer, and Michael Temkin Secretary) were introduced and the minutes from last year's DEE business meeting were approved.

Mary Alice reported that winners of the best student presentation competitions from the Anaheim meeting were Vance Vredenburg (Univ. of California, Berkeley) for his talk entitled "Exotic Species and the Decline of Amphibians: Unintended Consequences on a Global Scale" and Adam Reitzel (Univ. of Florida) for his poster on "Maternal Investment and Morphological Plasticity: Insights from Subtropical Echinoids".

Mary Alice related the news from the meeting of the Division Presidents and Executive Committee. The first item was that the Society is in good financial shape, although Society wide membership is declining. Consequently, there is a need to recruit new members and all members were urged to try and get more

students and colleagues involved in the Society. The second item was that the publishing backlog has been reduced and that the Symposia from the Toronto meeting would hopefully be published within a year. In addition, the Society was planning to publish the journal electronically. The Society is in the process of deciding on the location of the 2006 meeting and the current front runner is Washington, D.C. Lastly, the division is looking for new initiatives, so if you have any ideas please pass them along to Mary Alice (Coffroth@buffalo.edu).

Emily reported that the symposia for the meeting in New Orleans are set. She is working with Catherine Loudon, the new Society Program Office on the symposia and funding for the meeting in San Diego in 2005. Emily also related how the Society is trying to expand the number of exhibitors (vendors and publishers) at the meeting because they help to pay the costs of the meeting. Emily asked the division members to review the keywords that are used to describe papers and posters at the meeting. Apparently, some members of the Society have been unsatisfied with the list of keywords to describe their work. Lastly, Emily asked those present at the meeting for suggestions to improve the next meeting. One suggestion was made to clarify the process of using a computer for the presentation of talks. The second set of suggestions concerned the schedule of the meeting, especially the poster sessions. One problem with scheduling the poster presentations at around lunch time is that many of the members felt overwhelmed trying to attend talks, see posters, meet with people and eat lunch. A second problem was that the last poster session was scheduled after the talks were completed. The feeling was that this scheduling would cause a limited attendance at the last poster session.

Mike reported that this year we had 28 students enter the best student presentation competition (23 oral, 5 poster). In support of the best student presentation competition, 30 members volunteered to serve as judges. The support of the membership in judging the student presentations was greatly appreciated.

The attending members then voted on changes to the bylaws of the division. Sally Woodin moved to strike the wording in the proposed bylaws that included the past program officer as part of the executive committee of the division. The vote on her motion was 8 to strike, 10 not to strike, and 6 abstentions. Sally noted that although her motion went down in defeat, all of the past division officers present voted to strike the wording. The subsequent vote on the changes to the bylaws passed unanimously.

Jeff Goldman of the American Institute for Biological Sciences (an association with 87 members, <http://www.aibs.org/core/>) spoke to the members about the NSF plans to establish the National Ecological Observatory Network (NEON) (http://www.nsf.gov/bio/bio_bdg04/neon04.htm). Jeff is interested in hearing from the SICB membership on the following:

1. What do you think about NEON?
2. How might you use it?
3. Are you interested in applying for instrumentation money (300 million over 7 to 8 years)?
4. Are you interested in using data from the project?

Several members commented on the lack of NEON to address watershed and coastal issues. Jeff thought that this type of input was important to the success of NEON and hoped to receive more comments.

Members of the SICB Executive Committee (Marvalee Wake, Brett Burk, and John Wingfield) stopped by the meeting to say hello and listen to the comments of division members at the business meeting. Members related their comments concerning the schedule of the meeting. Brett stated that we had 1050 participants at the Toronto meeting. However, dues were down. Brett also reported that the elections went very well with a substantial number of SICB members casting votes. Marvalee spoke to the fact the Society bylaws need to be changed to allow for electronic voting over the internet.

After the members of the executive committee left, Mary Alice asked if there were any suggestions for increasing participation in the divisional symposia. Diana Padilla suggested a joint symposium with the Western Society of Naturalists for the San Diego meeting in 2005.

Linda Walters reported that the student support committee received 72 proposals from students, about 50% were from students affiliated with the division of ecology and evolution. Linda said that the committee awarded money to about 30 of the proposals. In addition, the committee awarded several Travel grants. She strongly recommended that our students apply for support.

The meeting was adjourned at 6:11pm so that members could attend the joint DIZ/AMS/DEE social.

Respectfully submitted,
Michael Temkin
DEE Secretary

DEE Candidates for Election

Candidates for DEE Chair-Elect

Fredric J. Janzen

Current Position: Associate Professor; Department of Ecology, Evolution, and Organismal Biology (as of 1 July 2003); Iowa State University

Education: B.A., Biology, North Central College, 1985; M.S., Zoology, Colorado State University, 1987; Ph.D., Ecology and Evolution, University of Chicago, 1992

Professional Experience: Visiting Professor, "Tropical Biology: An Ecological Approach (Course #92-1)", Organization for Tropical Studies, Costa Rica; Postdoctoral Fellow, Center for Population Biology, University of California-Davis, 1992-1994; Visiting Assistant Researcher, Department of Ecology and Evolutionary Biology, University of California-Irvine, 1998-1999; Assistant Professor, Department of Zoology & Genetics, Iowa State University, 1994-2000; Associate Professor, Department of Zoology & Genetics, Iowa State University, 2000-Present

SICB Activities: 1st place in Best Student Paper competition, Division of Ecology, 1988; 3rd place in Best Student Paper competition, Division of Ecology, 1990; Session Moderator, Division of Ecology, 1995; Chair of Best Student Paper Committee, Division of Ecology, 1995; Program Advisory Committee, Society-wide, 2000-2001; Chair of Program Advisory Committee, Society-wide, 2002-2003; Judge for Best Student Paper Committee, Division of Ecology and Evolution, 2003

Other Memberships: American Society of Ichthyologists and Herpetologists, Ecological Society of America, Herpetologists' League, Sigma Xi, Society for the Study of Amphibians and Reptiles, Society for the Study of Evolution

Research Interests: Experimental evolutionary ecology and physiology; phenotypic selection and quantitative genetics; molecular ecology and evolution; phylogenetics (see

Statement of Goals: SICB does a great job supporting student participation and fostering cross-disciplinary interactions. But we can and must do better to ensure a healthy long-term future for the Society. The DEE, which is inherently integrative and committed, is positioned well to lead on these fundamental matters. I wish to continue promoting the importance of SICB membership to our non-SICB ecological- and evolutionary-oriented colleagues and students. One way to do so is to incorporate novel activities at SICB meetings (e.g., an Adopt-A-Student program where a voluntarily matched pair of new student and SICB veteran exchange e-mail prior to the meeting, meet at the opening social, share a SICB- and/or DEE-supported meal together on the first day, or whatever seems best). We can also lead by supporting creative, cutting-edge symposia. Let me briefly mention two possibilities. First, we might consider exploring the fast-growing roles of computational biology in our discipline (How much should we rely on computers? Will organismal biologists and natural historians, among others, be sidelined by this change of emphasis? Will/should we lament the loss of those noncomputational fields?). Second, we might consider becoming more involved in targeted recruiting and support of specific individuals for Society membership and career guidance (Should we be pro-active in extending SICB's reach to new members from underrepresented groups and to engage these individuals in integrative and comparative scientific activities?). Both student-oriented activities and research/education opportunities that focus on national priorities such as these will promote life-long membership in and commitment to SICB.

Linda J. Walters

Current Position: Assistant Professor, Department of Biology, University of Central Florida, Orlando, FL

Education: B.S., Bates College, 1983; M.S., Ph.D., University of South Carolina, 1986, 1991.

Professional Experience: Postdoctoral Fellowships: Kewalo Marine Laboratory, University of Hawaii (1992–1994); Cochin University of Science and Technology, Cochin, India (1994–1995); Universite Laval, Quebec, Canada (1995–1996). Assistant Professor of Biology, University of Central Florida (1997 – present); Director, Fellers House Field Station in Canaveral National Seashore (1997 – present).

SICB Activities: Secretary, DEE (1999–2001); Chair, DEE Outstanding Student Presentation Judging (2000–2002); Society-Wide Student Support Committee (2003 – present); Judge, DEE student presentations (1998 – 2003).

Other Memberships: Sigma Xi, Ecological Society of America, Estuarine Research Federation, National Marine Educators Association.

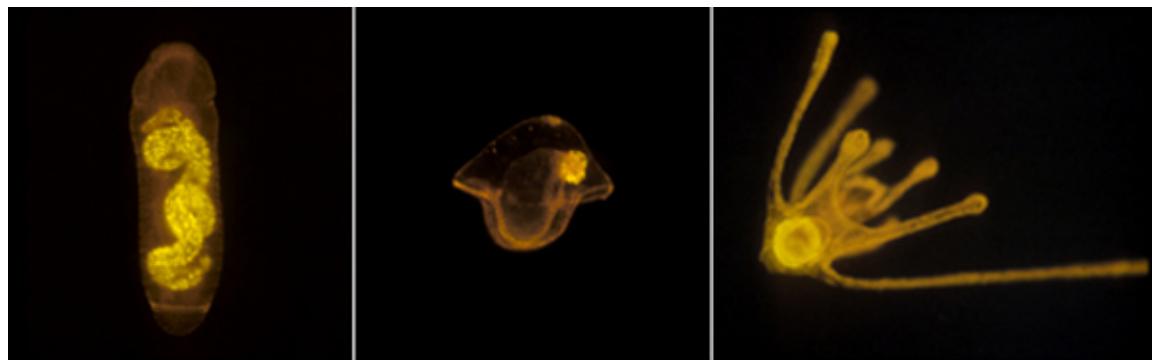
Research Interests: Ecology of marine invertebrates and macroalgae, including the dispersal and success of sexual propagules and asexual fragments, exploration behaviors of competent invertebrate larvae, and human impacts on oysters in estuaries and biodiversity on coral reefs.

Statement of Goals: I have benefited tremendously from SICB since becoming a member as a beginning graduate student. As a student, professionals at SICB provided me with contacts for postdoctoral fellowships, and advice on experimental design, grant writing and job interviewing techniques. Now, as a faculty member, I rely on SICB even more to learn about the latest research in my field and in scientific disciplines far

removed from my own, as well as new and innovative ways to improve my teaching. I also strongly encourage my students to attend and present at the annual meetings.

As a society, I think that SICB has done an excellent job for its members in recent years and I would like to help it continue on this track. DEE fills a very important role to members, especially in breaking down perceived barriers between botanical and zoological research. We need to keep this division strong so DEE can continue to fill this important role in future years. Specifically, we need to continue to recruit and mentor new students (both undergraduate and graduate students), foster interactions that can lead to new research and/or teaching collaborations, and promote interdisciplinary symposia that will excite and draw in both new and established members.

Division of Invertebrate Zoology (DIZ): 2003 Spring Newsletter



Trochophore

Pilidium

Ophiopluteus

In this newsletter:

- [Message from the Chair](#)
 - [Message from the Program Officer](#)
 - [Message from the Secretary](#)
 - [Message from the Graduate Student–Postdoctoral Affairs Committee Representative](#)
 - [Message from the Student Awards Committee Chair](#)
 - [Minutes of the 2003 Annual Business Meeting](#)
 - [Elections: Candidate for DIZ Secretary](#)
-

Message from the Chair

Thomas Wolcott

Dear Fellow Invertebrophiles:

Once again the annual meetings were a restorative and stimulating break from the usual academic mayhem, and we enjoyed seeing many of you in Toronto. There really is no other society that does the "molecules to organisms" spread as well, and it's always fascinating to see what improbable things other folks have shown to be interesting, and how they all are interconnected! It is because SICB is such a great and useful association that I'm (paradoxically) willing to miss out on some of those useful sessions to help it keep running smoothly. I want SICB to be there for my students for many years to come!

First off, I wish to extend sincere thanks (on my own behalf and that of the DIZ) to Rachel Merz for her 4 years' stewardship of our Division. Rachel graciously extended her tenure as Chair after the loss of our Program Officer, Larry McEdward, 2 years ago. DIZ prospered under her leadership and she was responsible for several innovative initiatives (most recently the joint DIZ/DEE social in Toronto) that have positively affected the division.

In contrast, I have had hardly a neuron to devote to DIZ thus far this semester, for which I apologize. Like

many of you, we live in a state with an imploding budget. One consequence is that Donna and I, once we had completed the process of migrating our labs to NCSU's new marine facility and finally became (we thought) productive, were told to pack it all up and move back to campus. My research stuff still languishes in boxes while I write *de novo* lectures in one of my many areas of ignorance. Soon I'll be into subjects I've covered before, and perhaps then I'll be more useful in this DIZ role.

When notified last fall that I would have the privilege of serving as your new Chair, I went back to see what foolish campaign promises I had made. Among them was an effort to bring invertebrates more into the forefront in biology education. I really would like to bring this toward, if not to, fruition during my tenure. Students at the college level often have no idea how diverse and fascinating inverts are, and still think that the vertebrate paradigms are the whole story. I am acutely aware of this at a land grant university where marine biology tends to mean "fish", and "comparative endocrinology" means that of cows v. pigs, chickens, sheep...

So: my first request is that you share your ideas on what mechanisms would be effective in getting inverts into the limelight. One option might be to provide an "invertebrate lab handbook" on the SICB website. This would be a selection of important physiological, behavioral, and ecological principles, each associated with one or more laboratory/field exercises to teach it using commonly available (i.e., cheap) invertebrates. Ideally the exercises would be presented at several levels (e.g., versions suitable for primary school, high school, and college classes). For example, students may be startled to learn that hemoglobin isn't the only respiratory pigment. Hemocyanin (to compare with Hb) can be easily obtained by collecting garden snails (*Helix*) rather than importing some marine molluscs or crustaceans. Big snails (or great big slugs; they probably would work too) are so abundant as to be garden pests in some places. They arouse few warm fuzzy feelings, and therefore do not draw the attention of animal rights enthusiasts or IACUC enforcers. They also spare sensitive students some of the angst that can accompany working with live animals in lieu of computer simulations. Please let me know if you think this worth pursuing.

My second request, contingent upon the first, is for outlines of exercises that you use, or would like to use, to teach some important principles. If we can come up with a conceptual framework upon which to array them, then we could turn our attention to producing 3-tier versions that teachers at all levels could download from the DIZ webpage and adapt.

The success of this venture will depend almost entirely upon the DIZ membership's level of enthusiasm and commitment. I recognize that editing an exercise for this purpose, and especially putting one together from scratch, is not a trivial task. I hope that you too feel that it's worthwhile both in terms of enhancing biological education and of increasing the usefulness and visibility of SICB. I eagerly await your suggestions!

Rachel Merz, not content to rest on her laurels as servant of DIZ and guide to the hapless new chair, has gotten the ball rolling in another area dear to my heart: exposure of undergrad/graduate students to coursework and research in the field. Rachel has made it her goal to significantly increase the Libbie H. Hyman Memorial Scholarship fund (<http://www.sicb.org/grants/hyman/>) to support more grants-in-aid. To that end, she is plotting to spice up the New Orleans meetings with a benefit "Invertebrate Auction" during our divisional social (to which well-heeled non-DIZ riff-raff may also be invited). Please seek inspiration about things (art or other evidences of creativity, books, etc.), and perhaps even services, that you'd like to donate for this gala! Past experience suggests that the big bids are drawn by things that are really really nice – or those that are, well, not nice at all (one of the most coveted items at an auction some years back was what might be euphemistically described as a "members-only" poster).

One final note of business, from my last free register: after serving faithfully as your Secretary, Will Jaeckle will be getting some well-deserved respite. We have a hotly-contested election for his replacement, and I urge you to review the candidate's credentials (placement of apostrophe based on latest reports from the DIZ Nominating Committee—Judith Williams, Ken Sebens, and Joe Pawlik—whom I thank for their service).

Please encourage your colleagues and students to become members of SICB and DIZ; our Division can only remain vigorous with continued infusion of new members. I wish you all a glorious second half of the spring semester, and a satisfying and productive summer. At the SICB abstract submission deadline, may yours be about things you have already discovered, not things you are still hoping will work before the end of the season!

Message from the Secretary

Will Jaekle

Our 2003 meeting in Toronto was a tremendous success and we can look forward to exchanging our winter coats for something a little less protective when we reassemble in New Orleans for the 2004 meeting. Special thanks are extended to Sara Lindsay for smoothly coordinating the judging of student presentations (see her section in this newsletter). By all measures the joint DIZ/DEE social was a smashing success. Since members of both divisions share a curiosity about invertebrate animals, this divisional pairing was a natural extension of our common interests.

Although my attempts failed this year, I will be working towards the development of a webpage (or portion of a webpage) where we can post our course announcements, summer research programs, scholarships, etc. Hopefully it will be in place before the publication of the Fall newsletter. If anyone has suggestions of other items that should be included in this venue, please contact me. Further, if there are items that you feel should be distributed to the constituency of our division, please contact me and I will act to facilitate the distribution of the information to our membership.

Finally, I would like to extend a personal thank you to Rachel Merz for her assistance in getting me "up to speed" with the workings of our Division and her patience when working with a sometimes recalcitrant communicator.

Message from the Program Officer

Penny Barnes

The Division of Invertebrate Zoology was well represented in both oral and poster presentations at the SICB Annual Meeting in Toronto. The DIZ Social was well attended and deemed a success. Congratulations to all who worked hard to make the 2003 meeting a success!

Those of you who have checked the SICB website recently will know that we have two exciting symposia scheduled for the New Orleans 2004 meeting. "Model Systems for the Basal Metazoa: Cnidarians, Ctenophores, and Placozoans" organized by Neil Blackstone and "Sponges: New views of old animals" organized by Scott Nichols and Gert Woerheide. In addition, DIZ and DCE are co-sponsoring "Ecophysiology and Conservation: The contribution of Endocrinology and Immunology". So, the New Orleans meeting promises to be exciting for DIZ.

Now is the time for all of you considering symposia topics for the San Diego meeting to develop your ideas and send me an email. The Call for Symposia for the 2005 Meeting in San Diego is posted on the SICB website and I encourage you to refer to this for guidelines. Remember that the deadline for receipt of symposium proposals is August 15, 2003! The Program Officers will meet in fall 2003 to finalize the symposia for the 2005 meeting.

Finally, I need your input on an issue discussed at the Program Officer's meeting in Toronto. This issue is the need to review, and potentially revise, the list of keywords available when submitting an SICB abstract. Some of you have expressed concern that you have been unable to locate keywords of choice, resulting in selection of less-than-optimal keywords that do not accurately represent the research to be presented. Remember that your choice of keywords is important and that the Program Officers may refer to the keywords when determining where best to place a presentation in the meeting program. The DIZ membership represents a remarkable diversity of research fields and we need to ensure that the list of keywords spans this diversity. Please review the list of keywords available and send any suggestions, regarding additions or deletions, to me at your earliest convenience. Also, as I have noted before, your general comments relating to the format and schedule of the Annual Meeting are welcome. Please contact me via email at barnesp@naos.si.edu.

Message from the Graduate Student–Postdoctoral Affairs Committee

Ben Miner

Hello fellow students. The Toronto meeting is behind us, and I would like to extend the Division's thanks to all the graduate students who worked to make this meeting such a success. In particular, the workshop "How to get a job; views from inside the search committee" was excellent, and we hope to provide yet another excellent workshop at the next meetings. I would also like to congratulate Constance Rogers for her award of a SICB grant-in-aid of research and DIZ's Best Student Poster presentation. Jonathan Cohen is also to be congratulated for being recognized for delivering DIZ's Best Student Oral Presentation and earning the Adrian Wenner Strong Inference Award. I encourage all undergraduate, graduate, and recently post-graduate (< 1 year) students to enter these competitions in 2004.

SICB continues the trend of alternating between warm and cold locations for the annual meetings. The next meetings will be held in New Orleans January 4–8 2004, so you don't want to miss it! To ensure SICB continues to consider the needs of graduate students, I encourage comments and suggestions for improving future meetings. Please email suggestions to me at miner@zoo.ufl.edu.

Good luck with your studies and research!

Message from the Student Awards Committee Chair

Sara Lindsay

Thank you to all of those who judged student presentations at the Toronto meeting. Ten students competed in the DIZ student paper competition this year, with topics ranging from the evolution of plasticity to the biomechanics of fatal constipation in a brooding sea squirt. All the students did a very good job, and I will be forwarding judges' comments to them soon. Constance Rogers won the Best Student Poster for her presentation, "Acquired resistance of bluegill sunfish *Lepomis macrochirus* to ectoparasitic glochidia larvae of *Utterbackia imbecillis*". Jonathan Cohen's oral presentation, "Photoresponses of the copepod *Calanopia americana* involved in diel vertical migration", was recognized as the Best Student Oral Presentation. Jonathan is also the winner of the Adrian Wenner Strong Inference Award. Congratulations! Students should learn more details about their awards from DIZ president Tom Wolcott soon. We look forward to seeing more outstanding student presentations next year in New Orleans!

Minutes of the 2002 Annual Business Meeting

Rachel Merz (DIZ Chair) opened the meeting with information on the state of SICB and reported that our society will remain financially sound as long as membership and subscription rate remain high. In what might be viewed as a testament of our financial health, she reported that each division has access to "extra" monies that may be allocated in any way that the division deems appropriate. SICB's meeting venues for the next few years were reported as follows: New Orleans (2004), San Diego (2005), and Washington DC (2006). Rachel requested suggestions for future meeting sites.

From earlier meeting Rachel reported that SICB is in the process of reevaluating their by-laws to place them in accordance with current practices and changes in policy. In the future, the society will send to us the original text and proposed changes, and summary of those changes for our examination. She also noted that there was significant discussion of the process by which these changes will be ratified.

Chair Merz then initiated a discussion of DIZ specific issues. The first topic evaluated was the proposed change in the DIZ by-laws in order to establish a process by which an executive committee member who cannot complete their term. Her proposal (previously distributed to the DIZ membership) was ratified. It was further noted that DIZ needs to reevaluate its by-laws and propose new changes that reflect the expressed desire that DIZ officers must be members of our division. It was suggested that these changes in our by-laws be posted in the Spring Newsletter.

There are 2 DIZ symposia for the New Orleans meeting. (1) "Model Systems for the Basal Metazoa: Cnidarians, Ctenophores, and Placozoans" organized by Neil Blackstone and (2) "Sponges: New views of old animals" organized by Scott Nichols and Gert Woerheide. If any members have ideas for symposia topics please contact the DIZ Program Officer Penny Barnes.

DIZ members were urged to pay particular attention to any problems related to keyword coding of abstracts. DIZ is probably the most topically scattered division in SICB and anything that we can do to uniquely identify our division's contributions is desired. If you have any suggestions please relate them to the Chair.

Thomas Wolcott was introduced by the Secretary as the Chair-elect and he will be assuming the role of Division Chair at the end of the business meeting.

Sara Lindsay (Chair, Student Awards Committee Chair) reported that 10 poster and oral presentations were under consideration for our student awards and offered her thanks to all members who judged these reports.

Ben Miner (Graduate Student – Postdoctoral Fellow Committee representative) reminded all students and postdoctoral Fellows to attend the GSPFC sponsored program entitled: "Views inside a search committee". At the meeting in 2004 this committee will be producing two important workshops for our younger members. The topics of discussion will be (1) producing a teaching statement and (2) use of new technology in the classroom.

The SICB Executive Committee visited our business meeting and SICB President Marvalee Wake charged our members to volunteer to serve our society. Sara Lindsay relayed to the committee a comment regarding an apparent "topical inconsistency" of the Society's journal. President Wake responded that it was the very nature of this society to have articles of a variety of topics represented in the journal. She further reported that the problems of a backlog in manuscript publication and the inconsistency in the date of publication are largely solved. Rick Harrison noted that SICB's journal is a solid peer-reviewed vehicle to publish symposia proceedings and that, at present, it is difficult to find a publishing outlet for symposia these days.

AMS president Clay Cook reported that the subscriptions to the journal Invertebrate Biology (IB) have decreased. Clay vigorously requested that all non-subscribing members of DIZ support this journal. Pat Reynolds (IB, Associate Editor) remarked that the manuscript acceptance rate for this journal was 60%.

Amy Johnson reported that there is a need to increase to Libbie H. Hyman Memorial Scholarship account in order to increase the number and amount of this scholarship. Rachel Merz suggested that DIZ's excess funds this fiscal year be directed to the scholarship. This proposal was supported by the membership. Rachel further proposed that an "IZ auction" during the next meeting's social (2004) would be a good way to generate funds for the LH account. This idea was enthusiastically supported. So if you have any IZ "gems", art works, reprints, books, etc. that you would like to donate, please contact Rachel. Further, anyone willing to assist in the development of this fund raising vehicle should contact Rachel..

Rick Harrison (Editor, Journal of Morphology) reported that the journal backlog is being reduced from the current state (12 months) to 6 months in 2004. He noted that this journal strives for a 50:50 balance between manuscripts that relate to vertebrate and invertebrate animals.

Diana Padilla relayed to DIZ that the San Diego meeting (2005) will be cosponsored by American Malacological Society and the Western Society of Malacologists. She posed that DIZ members may be interested in producing a Symposium or minisymposium on Molluscs.

Sally Woodin expressed her thanks to Rachel Merz for her excellent custodial ship of DIZ during her 4-year period as our Chair. This sentiment was heartily supported by the members.

Thomas Wolcott (the new Chair) closed the meeting by requesting from DIZ to "let him know what to do, keep bugging him, help deliver the message that "inverts are interesting".

Submitted by WB Jaeckle

Elections: Candidate for DIZ Secretary

Robert (Bob) W. Thacker

Current Position: Assistant Professor, Department of Biology, University of Alabama at Birmingham.

Education: 1990, B.S. (Zoology), Duke University; 1995, Ph.D. (Biology), University of Michigan, Ann Arbor.

Professional Experience: 1995–96, Postdoctoral Research Associate, University of Guam Marine Laboratory; 1996–98, Postdoctoral Research Associate, University of Hawaii; 1998–2000, Postdoctoral Research Associate, University of Guam Marine Laboratory; 2000–present, Assistant Professor, University of Alabama at Birmingham.

SICB Activities: Member and presenter at SICB/ASZ Annual Meetings since 1992. Judge, Best Student Presentation, Division of Ecology and Evolution, 2002, 2003.

Other Memberships: Ecological Society of America, International Society for Reef Studies, Sigma Xi.

Research Interests: Systematics of sponges and their cyanobacterial symbionts. Community ecology of invertebrates associated with marine and freshwater algal blooms. Foraging behavior of crustaceans.

Statement of Goals: After joining SICB as a graduate student, I have continued to attend and present papers at the annual meetings to broaden my perspective across multiple disciplines. As secretary of DIZ, I would seek to enhance interactions among the divisions of SICB, including the sponsorship of symposia that integrate topics of invertebrate physiology, behavior, ecology, and evolution. In addition, I would like to increase awareness of the SICB Grants-in-Aid of Research Program, the Libbie H. Hyman Memorial Scholarship, and other forms of student support. Finally, I would also strongly support symposia on career development and mentoring programs.

Division of Neurobiology (DNB): 2003 Spring Newsletter

In this newsletter:

- [Message from the Chair](#)
 - [Message from the Program Office](#)
 - [Message from the Secretary](#)
-

Message from the Chair

Robin L. Cooper

The Toronto meeting was very successful for our DNB group. New investigators and students were exposed to the society. We had a number of Canadian presenters in both the poster and slide sessions. Hopefully the new comers realize what a friendly group we are and will continue to participate in the years to come. The two DNB sponsored symposia were well attended. The two symposium were on:

- "Firefly Flash Communication: Physiology and behavior," organized by Copeland and Carlson.
- "Recent Developments in Neurobiology: Neural regulation of locomotion," organized by Rich Satterlie.

The presentations were of excellent quality and the student presentations mixed with primary investigators allowed a nice mix of details and overviews of the fields presented. This same menu will be used for the New Orleans symposium.

The "Neural regulation of locomotion" symposium was in honor of Professor Harold L. Atwood (Dept. of Physiology, Univ. of Toronto) for his 40+ years of contribution to the field of neuromuscular research. That evening at the DNB social we also had a fun time with an "Atwood Roast" which turned out not to be too embarrassing until Professor Atwood got a hold of the microphone and started commenting on the roasters!

At the DNB business meeting we had discussed an idea of having our own DNB www site that members might find of use for postings of various events and useful links. We welcome ideas and comments concerning the development of such a www site.

Message from the Program Officer

Rich Satterlie

I am taking this opportunity to call for nominations for speakers for the Recent Developments in Neurobiology symposium that our Division will sponsor at the New Orleans meeting. We will have a conceptually eclectic, but geographically constrained format. So, the speakers can be from any area of

neuroscience, but we would like to have them come from the vicinity of the meeting. Decisions about speakers will be made with proximity in mind since we have limited funds. Also, the piggy-back nature of the talks is important to keep in mind. Each piggy-back pair will give an hour-long presentation: the head of the lab will give about 25 minutes of overview, describing the general research direction of the lab, and the piggy-back partner (advanced graduate student or post-doc) will have about 25 minutes to present some specific ongoing work. The balance of the hour (usually ten minutes) will be for a common question/answer period.

Message from the Secretary

Hank Trapido-Rosenthal

The Division of Neurobiology has awarded two presentation prizes to participants in the 2003 Toronto meeting. The prize for the best poster went to undergraduate student Candace Erdman, who presented her work, done at Friday Harbor Laboratory, on "C-Fos-Like Immunoreactivity in the Nervous System of the Nudibranch Mollusc *Tritonia diomedea*." The prize for best platform presentation went to graduate student Russell Wyeth (University of Washington), who described his work on "Integration of Multiple Sensory Cues by the Nudibranch Mollusk, *Tritonia diomedea*, During Navigation Through its Natural Habitat." This year, the prize for best model organism obviously goes to *T. diomedea*!

Division Chair Dr. Robin Cooper has initiated an effort to attract more neuroscientists to SICB. The following invitation has been published in the March 2003 issue of the Society for Neuroscience's e-newsletter "Neuroscience Nexus."

SICB Encourages Research, Student Training in Neuroscience.

Interested in lending your voice and expertise to another organization? The Society for Integrative and comparative Biology (SICB) includes many fields of specialization in biology. The SICB is organized around eleven divisions, one of which is the division of neurobiology. Research is presented at the SICB Annual Meeting, as well as in the publication of its journal, Integrative and Comparative Biology (ICB; formerly American Zoologist). One of the Society's focal points is to support its student members.

<http://www.sicb.org/divisions/dnb.php3> – Click here for more details.

Division of Systematic and Evolutionary Biology (DSEB): 2003 Spring Newsletter

In this newsletter:

- Message from the Officers
 - Elections: Candidates for DSEB Chair and DSEB Secretary
-

Message from the Officers

Miriam Zelditch, Chair; *Donald Swiderski*, Program Officer; *Ingrid Kaatz*, Secretary

Congratulations to Rachel Mueller (University of California Berkeley) on winning the division's Best Student Paper Award for her presentation: "Genome size, cell size and the evolution of enucleated red blood cells in the salamander genus *Batrachoseps*". All the other entrants are also commended for fine presentations that made it a close contest. Special thanks to the four fine individuals who judged the student presentation (you know who you are). Congratulations and thanks to Francesco Santini and Gustavo Ybazeta for organizing a well attended and interesting symposium and workshop. The DSEB symposium and workshop in New Orleans 2004, being organized by Jon Jeffery and Rob Guralnick. Their program, on analyzing data from biological sequences, promises to be very interesting. We still need ideas for San Diego 2005. Now is the time to contact Don Swiderski, division program officer (dlswider@umich.edu), to discuss possible topics.

Elections: Biographies of candidates for DSEB Chair and DSEB Secretary

Candidates for DSEB Chair

Ken Halanych

Current Position: Associate Professor & Marine Biology Coordinator, Auburn University.

Education: Ph. D. 1994. University of Texas at Austin; B.S.. 1988. Wake Forest University

Professional Experience: Assistant and Associate Scientist, Woods Hole Oceanographic Institution; Adjunct Scientist, Marine Biological Laboratory. Postdoctoral fellow, Rutgers University, (Molecular evolution and systematics of marine invertebrates); Postdoctoral fellow, University of Pretoria, South Africa. (The molecular phylogenetics and evolution of Lagomorphs.); 1997 Mid-Atlantic Ridge Oceanographic Cruise; 1998 Southern Eastern Pacific Rise Oceanographic Cruise; Additional field experience at Friday Harbor Laboratories, Bermuda Biological Station. Teaching experience at Woods Hole Oceanographic Institution; Teaching Assistant or Assistant Instructor, University of Texas, 1988 –1993.

SICB Activities: 2000–2001 co-secretary DEDB; 2001 Participant of "Lesser known protostomes"

symposium; 2000 Participant of "Hox gene and morphological evolution" symposium; 1998 Co-organizer "Evolutionary relationships of Metazoan Phyla" symposium; 1998 DIZ best student paper committee; 1990 Session co-chair; 1990 Local organization committee for San Antonio meeting.

Other Memberships: Society of Molecular Biology and Evolution; Society of Systematic Biologists; American Association for the Advancement of Science

Research Interests: Evolutionary origins and relationships of major metazoan lineages (including body plan origins and evolution); molecular systematics and phylogenetic theory, invertebrate organismal evolution, diversification of hydrothermal vent fauna (especially pogonophorans), lagomorph (rabbits and pikas) phylogenetics.

Statement of Goals: DSEB has an important and valuable role in SICB because of the widespread use of phylogenetic tools by all divisions of SICB. The main goal of my tenure in office would be to promote an awareness of the power and utility of using an accurate phylogenetic framework in comparative biology. Through the use of symposia and workshops, DSEB should strive to educate other scientists and show them that they can obtain more information, and in some cases more accuracy, if additional attention is given to how they choose or reconstruct their tree. I also believe that DSEB should be willing to take a similar role with methods used to decipher intraspecific evolutionary history (e.g., phylogeography, coalescence approaches). This increases awareness of DSEB, combined with an aggressive campaign, should help alleviate some of the small membership problems.

Candidates for DSEB Secretary

Rob Guralnick

Current Position: Assistant Professor and Curator of Invertebrates, University of Colorado at Boulder

Education: B.A., University of California, 1992. Ph.D., University of California, 1999.

Professional Experience: Postdoctoral Fellow, Department of Integrative Biology and University of California Museum of Paleontology, University of California 1999–2000.

SICB Activities: Member since 1997.

Other Memberships: Society for the Study of Evolution, Paleontological Society, American Malacological Society (membership and nominating committee member).

Research Interests: My main area of research has been in the area of synthesizing evolutionary, developmental and functional perspectives and datasets – with a taxonomic focus on mollusks. Recent work has moved from clade and species level patterns and processes and process at the boundary of species and populations. Currently, I am studying morphological and molecular variation and its relation to geography, geology, life-history and biotic and abiotic factors in marine and freshwater mollusks. I also actively pursue research and tool-building in the emerging field of biodiversity bioinformatics, and am most interested in incorporating novel kinds of data (sequence data, morphometrics) into Geographic Information Systems. My interest in biodiversity bioinformatics and population/species level variation dovetail into an integrated, evolutionary approach to documenting the patterns and processes that generate species and genetic

biodiversity and how to synthesize, visualize, analyze and make available that information using linked computer databases.

Statement of Goals: I will be committed to the main functions of this position: gathering and disseminating information provided by the officers and other members. I would also like to explore ways to better organize and store the important information that we maintain into perpetuity as a division, and feel confident that my considerable technology experience is a plus for this job.

Patrick D. Reynolds

Current Position: Associate Professor of Biology, Hamilton College, Clinton, NY

Education: 1983 B.Sc.: Zoology Department, University College Galway, National University of Ireland. 1991 Ph.D.: Department of Biology, University of Victoria, British Columbia, Canada.

Professional Experience: Assistant Professor, Biology Department, Hamilton College, 1992–98. Research Associate/ Visiting Post-doc, Institute of Marine Sciences, UC Santa Cruz, 1990–92. Lecturer, Department of Integrative Biology, UC Berkeley 1990, 1991. Lecturer, Northeastern University East/West Marine Biology Program (at Friday Harbor Labs, U. Washington) 1991.

SICB Activities: Member since 1987; presentation/abstracts in 1988, '91, '95, '97, '98; Student Best Paper Award Panel (DIZ), 1998, 1999; Co-editor of Invertebrate Biology, a quarterly journal of the American Microscopical Society and the Division of Invertebrate Zoology, SICB, 1997–current

Other Memberships: American Association for the Advancement of Science, American Malacological Society, American Microscopical Society, Malacological Society of London, Sigma Xi, Society for the Study of Evolution, Society of Systematic Biologists, Willi Hennig Society

Research Interests: Functional morphology and evolution of invertebrates, particularly molluscs, focussing on a variety of physiological systems of marine species; comparative studies addressing the evolution of organ systems and clades using morphological and molecular systematics. I have a particular interest in the smaller molluscan classes (Aplacophora, Polyplacophora, and Scaphopoda). I also have a research program on marine benthic community ecology in the Antarctic Peninsula region.

Statement of Goals: Having been affiliated with DSEB for several years, I would be very pleased to serve the Division as Secretary. It has often been noted that our division has a unique role within SICB, intersecting with the research areas represented by several other divisions and earning the secondary affiliation of many Society members. The successes of our annual workshops and symposium activity are also indications of our strength and breadth. Nevertheless, we have low attendance at divisional meetings, and sometimes difficulty in identifying candidates for divisional offices. As Secretary my role would of course be to ensure that communication within the membership is sustained, and encourage the organizers of DSEB workshops and symposia to use more fully the office of the Secretary to promote the activities of the division. With the other officers, I would like to enhance our sense of identity at the annual meetings in ways that would encourage more interaction among DSEB affiliates, primary and secondary.

Division of Vertebrate Morphology (DVM): 2003 Spring Newsletter

In this newsletter:

- [Message from the Chair](#)
 - [Message from the Program Officer](#)
 - [Message from the Secretary](#)
 - [Elections: Candidates for DVM Program Officer](#)
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Message from the Chair

Frank Fish

Now that many of us are starting to come out of our winter hibernation or at least thaw out, we look forward to an even more productive year of research. This past SICB meeting in Toronto showed itself to be a wonderful venue for the display of our collective research efforts. I would like to thank everyone who came to Toronto. Traveling away from home at this time of year is always fraught with a certain amount of risk, usually from the weather and airline schedules. However more recently, travel particularly across international boundaries has become more arduous. I appreciate those people, who made poster presentations, and who had to pass through airport security carrying mailing-tubes that resembled weapon launchers. Typically, DVM had a large number of contributed presentations and posters. Our biggest problem with so many presentations was that Morphology had competing sections through most of the meeting. In my view, this is not a problem, but rather a minor inconvenience. A major inconvenience was the scheduling of the poster presentations at mid-day. This trial had about a much support as a Raelian cloning proposal submitted to NSF. Next year, the posters sessions will be scheduled for late afternoons. One of the more fun things attempted at this meeting was to have "Video Night" at the DVM social. Some incredible videos were shown. Tobias Landberg presented "Beneath the Surface", a time-lapse video of the decomposition preparation of a monkey skeleton (only morphologists could see the art in this!). Beth Brainerd and Tom Hoogendoek had "An Exposition of Vertebrate Yawning". In addition, Natalia Rybczynski present out-takes from a video on beaver and Richard Essner showed video of flying squirrels. I believe the quality of the video and the reaction from the audience was sufficient to hold this event again at the next meeting in New Orleans.

One of the really exciting events sponsored by DVM has been the establishment of regional meetings. These meetings are less formal than the annual SICB meeting. They allow students greater participation with less stress, provide a place to present new ideas, and give researchers the opportunity to make regional collaborations. Brigitte Demes has offered to host the next Northeast Regional DVM meeting at the State University of New York at Stony Brook. The meeting will be held on Saturday, October 4th. The meeting will have mostly short, 5-minute contributions. This is enough time to present a few slides with one really good idea or 20 slides with one really fast talker. Having tried this format for the first time last year, I found it to be a marvelous alternative to standard meeting presentations. I strongly encourage people in the Northeast or elsewhere to come to this meeting. For that matter, I would urge each region to try and organize regional meetings. The meetings could be given annually or biennially. Indeed, funds are available through the DVM and SICB to support such endeavors.

Lastly, it should be noted that the strength of our division is not merely a reflection of the high quality of

research that we perform, but it is also a reflection of the excellence of the people who perform the administrative duties of the DVM. Beth Brainerd was elected as the DVM Chair-Elect. Beth has been a friend and collaborator, and we will work to maintain the strength of the DVM. I am especially appreciative of the efforts of the nominating committee of John Hermanson (chair), Anna Ahn, and Kiisa Nishikawa. The nominating committee came up with three distinguished candidates, John Bertram and Duncan Irschick for DVM Program officer and Audrone Biknevicius to continue as DVM Secretary. In addition, the D. Dwight Davis Award Committee of Jeff Walker (chair), Matt McHenry, Rick Blob, and Miriam Ashley-Ross are gratefully acknowledged for their hard work in choosing Gregor Yanega for the Davis Award and Jeffrey Willey for the Student Poster Award. Finally, Kathleen Smith, who was DVM Chair until this past January, is applauded for her work for the division.

I hope that the rest of the year is enjoyable and productive and I hope to see you all in New Orleans.

Message from the Program Officer

Bret Tobalske

The Toronto meeting was vigorous and featured many interesting presentations including a fascinating Bartholomew Award Lecture by one of our own division members: Adam Summers. Congratulations, and nice work, Adam!

While many aspects of the meeting were successful, judging from member feedback, it is clear that scheduling the poster sessions from 11:20 – 1:20 was a failure. The switch from the traditional evening sessions to lunchtime sessions was an attempt on the part of the program officers (including me –it seemed like a good idea at the time–) to improve attendance and highlight the posters. Alas, the schedule change had the opposite effect. As program officers, we felt that the traditional evening sessions were under attended because many people (rightfully) enjoy socializing over dinner at local restaurants and do not manage to wander back to the hotel for the posters. Here is the new plan: for the 2004 meeting in New Orleans, will have poster sessions from 3 to 5 the first two days, 2 to 5 the third day, and no poster session on the last day. There will be no contributed papers or symposiums during these times. This schedule should foster rewarding poster sessions for all concerned.

Please send me any suggestions you may have to improve events related to contributed paper sessions. Note that all program officers gather in late September to organize the annual meeting. At that time, we select rooms for each division and assign papers to specific sessions. The keywords you select on your abstract submission play a critical role during session assignment. Last fall, I gathered contributed papers by themes, and this resulted in some sessions featuring research on vertebrates, invertebrates, and plants. It is my hope that the thematic grouping fosters interaction among members of different divisions.

Regarding symposia, at the 2004 New Orleans meeting, DVM is co-sponsoring John Swallow's symposium on the use of selection experiments as a tool in physiology research. This theme should be of interest to many of us who are interested in functional morphology. Looking further ahead, I have received an appealing proposal for a symposium at the 2005 San Diego meeting from Doug Altshuler. His symposium theme is morphological and physiological adaptation to life at high elevation.

Additionally, Patricia Morse is organizing upcoming symposia for 2005 and 2006 with the general theme of "Biology As a Way of Knowing." The 2005 symposium in this series will explore Biomechanics, and, in

2006, the specific theme will be Evolutionary and Developmental Biology. One goal for these symposia is to develop teaching materials including textbooks suitable for undergraduate, integrated lecture and lab courses. You may contact Patricia if you are interested in participating in these symposia or would like to nominate speakers.

I encourage graduate students in our division to apply for a Grant-in-Aid of Research through the society. The application form is available on the web site, and the next due date will be in November.

Good luck with your research this spring.

Message from the Secretary

Audrone Biknevicius

1. Please join me in congratulating the 2003 DVM student award winners. The winning oral presentation for the DVM D. Dwight Davis Award was Gregor Yanega (University of Connecticut) for "The hummingbird bill as a utensil for insectivory: prey-capture and transport in the ruby-throated hummingbird." The winning poster for the DVM Best Student Poster Award was Jeffrey Willey (Clemson University; see photo below) for "Tail function during aquatic walking in snapping turtles."



2. The DVM homepage typically contains reports from the DVM officers, special notices from the

membership, and, when appropriate, election news (biographies of candidates, election results). Please keep in mind that this is also an appropriate venue for announcing upcoming events of interest to DVMers, such as regional meetings. Both text and images are accepted. Submissions should be sent to me. Deadlines for submissions for the fall newsletter is September 30th (for a November 8th posting online). In addition, please note that the bottom of the DVM homepage now has a link to the job–posting page. Departments wishing to post job opportunities on the SICB website should submit advertisements directly to the SICB webmaster (Dr. Ruediger Birenheide, webmaster@sicb.org).

3. BE SURE TO REVIEW THE CANDIDATES FOR THE DVM PROGRAM OFFICER AT THE END OF THIS NEWSLETTER.

ANNOUNCEMENT: 2003 Northeast Regional DVM meetings

The 2003 Northeast Regional DVM meetings will be hosted by the Department of Anatomical Sciences at the State University of New York at Stony Brook on Saturday, October 4th. We will adopt last year's successful format, having a one–day meeting and mostly short contributions (5 minutes). More information will be distributed in the summer (primary contact Brigitte Demes; phone 631/444–3119; e–mail Brigitte.Demes@sunysb.edu). Please mark your calenders and keep this date open. We are looking forward to see you in Stony Brook this fall! (submitted by Brigitte Demes, Susan Larson, Callum Ross and other friendly functional morphologists and biomechanists at Stony Brook)

ANNOUNCEMENT: American Naturalist

Jonathan Losos is the new editor in chief of the American Naturalist and has announced an expansion in the fields of research that the journal would like to publish. This expansion explicitly includes organismal functional morphology and biomechanics that addresses ecological and evolutionary questions. Further, even papers that are more focused on functional issues that would be of interest in ecology or evolution are now welcomed by the American Naturalist. If your work has an ecological or evolutionary slant or focus, please consider the American Naturalist as an outlet for an upcoming paper. If you have questions about whether your work may be appropriate please feel free to contact Peter Wainwright or Jonathan Losos. (submitted by Peter Wainwright, the Associate Editor for the American Naturalist).

ANNOUNCEMENT: 7th International Congress of Vertebrate Morphology

The 7th International Congress of Vertebrate Morphology will held on 27 July – 1 August 2003 at Florida Atlantic University, Boca Raton, Florida, USA. Abstracts for contributed poster and oral presentations will be due 1 October 2003. Please visit the ICVM–7 web site for updates: <http://www.iconferences.org/icvm7/> (submitted by Beth Brainerd, ICVM program committee chair, and Jeanette Wyneken, ICVM–7 convener). A flyer for this congress in PDF format is available here: [ICVM_flyer.pdf](#).

Elections

The candidates for DVM program officer are John Bertram and Duncan Irschick.

John E.A. Bertram



Current Position: Associate Professor, Dept. of Food, Nutrition and Exercise Sciences, College of Human Sciences, College of Medicine, Program in Biomedical Engineering, College of Engineering, Florida State University

Education: B.Sc. 1981, M.Sc. 1984, University of British Columbia. Ph.D. 1988, University of Chicago

Professional Experience: Post-doctoral Fellowships: Dept. of Biology, Dalhousie University; Harvard Forest, Harvard University; Concord Field Station, Harvard University. Appointments: Cornell University, College of Veterinary Medicine (1992–1998); Ithaca College, Dept. of Sport and Exercise Sciences (1998–1999); Florida State University (1999–present).

SICB Activities DVM Nominations Committee (Chair), 1999; DVM Symposium Co-chair (with R. Marsh, Northeastern): Muscle properties and organismal function: shifting paradigms (1996); Organizer and host, Northeast Region meeting of the DVM, Cornell University (1995).

Research Interests: Integrative biomechanics, musculoskeletal function and adaptation, locomotion.

Statement of Goals: My primary goal would be to carry on the outstanding work that has been done by my predecessors in this position. Our division, and the Society itself, is held together primarily by the quality of our annual meetings and it is key that the division program officers work with their counterparts and the society's officers to ensure this continues. Everyone acknowledges that one area of frustration has to be the overlap of interesting talks. But having too many interesting talks at the annual meeting is a problem we should cherish. What we would like to avoid, as much as possible, are simultaneous sessions or symposia that have obvious common interest. We also need to make the poster sessions more attractive as a presentation format. Poster sessions ONLY work well if they are part of a larger scale social event. Since we all like to converse and socialize at the end of the day anyway, this is the optimum time for our poster sessions. Possibly there are other presentation formats we can consider implementing. One of my favorite meetings is the ever-successful Northeast Regional with the notoriously popular "One-sliders" (originated by Ted Goslow). As program officer I would work to try some alternative sessions. After all, in this new integrative age we aren't the old fuddy-duddy zoologists we once were.

Duncan J. Irschick



Current Position: Assistant Professor, Department of Ecology and Evolutionary Biology, Tulane University, New Orleans

Education: 1992–1996: Ph.D Washington University in St. Louis. 1987–1991: Undergraduate (B. S., Zoology), UC Davis

Professional Experience: March 2000–Dec. 31,2000: Postdoctoral Researcher, UC Berkeley (Dr. Robert Full); January 1997–March 2000: Postdoctoral Researcher, University of Cincinnati, (Dr. Bruce Jayne)

SICB Activities:

Abstracts at SICB: 39: 617A, 40: S6.11, 40: 276A, 41:15.1, 41:15.2, 42:S2.4, 42:36.4, 42:34.5, 42:36.4. Two invited talks (2001 and 2003).

Other Memberships: American Association for the Advancement of Science

Research Interests: My research interests lie in the area of the evolution of complex systems, with an emphasis on the study of locomotion. I integrate ecological and evolutionary approaches for understanding why species differ in morphology and in performance. Of particular interest is the study of how animals perform in nature, and how this relates to the evolution of performance capacity. I am also interested in whether animals have evolved to use habitats in which their locomotor performance is maximal. Thus, much of my work tests idea of optimality by combining laboratory studies of function with field studies of habitat use. A new line of inquiry involves examination of the mechanistic basis of both horizontal and vertical locomotion in arboreal lizards, as arboreal climbing poses particular challenges for animal locomotion.

Statement of Goals: One goal is to expand the scope of SICB to include more ecological and phylogenetic approaches to complement the strong functional emphasis. Work that effectively integrates ecology, evolution and function within any group of organisms are thus of particular interest. Another goal is to promote work that makes creative use of technology for answering mechanistic or ecological questions.