

Message from the President

Marvalee H. Wake

I am delighted to report that there has been much progress in the Society of Integrative and Comparative Biology's efforts on many fronts this year. As reported in the Spring Newsletter, we have been able to further reduce our membership dues, fulfilling the promise made in 1991–92, when our leadership recognized that we were in crisis mode in terms of our finances. We hope that our diligent effort will now aid us in recruiting more members to our society—WE KEEP OUR PROMISES, and enlarge and keep our program at the forefront of biology at the same time. A splendid meeting is planned for Anaheim, thanks to the extensive efforts of John Pearse, our Program Officer. John continues to make every effort to make the program as "user–friendly" as possible, thinking carefully about the kinds of modifications needed to meet our many goals. Our Treasurer, Ron Dimock, is developing new means of helping us to maintain our fiscal responsibility, and to make our funds work optimally for the society. Our journal, the American Zoologist (shortly to change its name to Journal of Integrative and Comparative Biology, following your instructions, and its format) is making great progress in reducing the backlog and regaining position to do more reviews, opinion papers, etc., under the leadership of our Editor, John Edwards, and his Editorial Consortium at the University of Washington. We owe much of this success to the diligent efforts of society officers and committees, and especially to the sound and cooperative management by our new management office, Burk and Associates, especially our Executive Director, Brett Burk.

Our several committees are actively involved in the activities of the Society; many have major roles in our upcoming annual meeting. A new ad hoc committee that is dealing with increasing participation in SICB by members of under–represented groups has been established with Beth Brainerd as Chair. We will shortly be reconstituting the membership of several of our committees by adding new members as terms of commitment end for people who have served long and well. On behalf of the Society, I thank them for their service now, and I will again at our meeting, and subsequently. The involvement of the members of the Society in all of its activities is essential to the success of SICB. I would appreciate your letting me know (mhwake@socrates.berkeley.edu) if you are interested and willing to serve on SICB committees. WE NEED YOU, and welcome people new to the Society, including postdocs and graduate students, as well as our long–established members, to participate in our work.

We have several "activities" at this year's meeting that are of particular topical interest, given recent events of many kinds. There will be an Evolution Town Meeting, following up on last year's successful one, with great speakers, followed by discussion. Please see the meeting information on the SICB Website for more information. We are also "regenerating" the Chairs' and Deans' Meeting—such an event has been part of our annual meeting sporadically in the past. Chairs of departments of zoology and biology (and related science or sub–sets of biology) and Deans of biological science or of entire collegiate units meet to discuss common issues and concerns, and ways to deal with them. The meeting also serves as a forum for exchanging information about upcoming searches, new funding possibilities, and potential collaborations. I hope that all of you who are chairs and deans will join us; please see the upcoming meeting information for time and place.

Another special part of our meeting this year will be the presence of several Presidents of societies of zoology and biology, and those with interests in organismal, integrative, and comparative biology, from nations around the world. This idea first was generated because of observations that many such societies share common goals and concerns, but there is little communication about them. Gathering at our meeting to participate in the science, and to meet to discuss our mutual interests both among the Presidents, but also informally with interested SICB members, could potentially engender new collaborations as well as better informing all of us. At this date, the Presidents of zoological societies of Japan, The Netherlands, Belgium, Canada, and Israel have indicated that they will join us; only China has responded that they cannot

participate. Presidents from 30 nations, and of several US and international societies were invited, so I hope that more will be able to join us. The recent tragic events of September 11th provide even more impetus to scientists to reach out and communicate, in my opinion, so I hope that we can serve several purposes with our efforts.

Finally, I note that one of our two society-wide symposia will be co-sponsored by the International Union of Biological Sciences (IUBS). IUBS recently (1997) adopted as one of its programs an effort called "Towards an Integrative Biology" –evidence of international interest in integrative biology. It seems highly appropriate that they co-sponsor our symposium on "The Promise of Integrative Biology." We will have the opportunity to learn more about IUBS, because colleagues from France, Brazil, Finland, Japan, and the UK will be present to attend the symposium and our meeting. Unfortunately, many US scientists are not well aware of the existence of IUBS, and the work that it does. This is especially unfortunate, because many US scientists are involved in IUBS-sponsored programs, and the scientists aren't really aware of that sponsorship! Further, there is a US National Committee for IUBS, sponsored by the National Academy of Sciences/National Research Council, that includes among its members several SICB members. We hope to get the information out about our programs, and to involve more explicitly many more US biologists. One way that SICB members are already involved is in their participation in various international congresses. Many such congresses are Scientific Members of IUBS, and are eligible for start-up loans from IUBS, etc. For example, the International Congress of Systematic and Evolutionary Biology, the International Congress of Vertebrate Morphology, and the International Congress of Comparative Physiology are all IUBS Scientific Members, and have strong support from our SICB Divisions of Evolution and Systematics and Evolution and Ecology, Vertebrate Morphology, and Comparative Physiology and Biochemistry, respectively. In a [post-script](#) to this message, I add a little more information about IUBS.

We are going to have a full, but very exciting meeting! I look forward to seeing as many of you as possible in Anaheim during the first week of January. I hope that you will be involved in our on-going committee-maintained activities as well. I'll be in touch

Cordially,

Marvalee Wake
President, SICB

THE INTERNATIONAL UNION OF BIOLOGICAL SCIENCES (IUBS)

The IUBS is a non-governmental, non-profit network of national Academies of Science and Biological Societies founded in 1919 to:

- Promote the study of biological sciences.
- Initiate, facilitate and coordinate research and international scientific cooperation.
- Promote international conferences and assist the publication of their reports.
- Ensure dissemination and discussion of results of cooperative international research.

The IUBS is funded mainly by dues from national Members. At present it consists of :

- 43 Ordinary (national) Members (represented by Academies of Science).
- 84 Scientific Members (associations, societies, congresses, and commissions).
- An Executive Committee, including a President, two Vice Presidents, a Past President, a

- Secretary General, and a Treasurer (from 20 countries) elected to triennial terms.
- A permanent Secretariat in Paris, with an Executive Director and a staff assistant.

Recent scientific activities of the IUBS include:

- 1975– Commission for Biological Education
- 1982–92 Decade of the Tropics
- 1985– Taxonomic Databases and Biodiversity Working Group
- 1988– International Commission on Bioindicators
- 1991– Reproductive Biology in Aquaculture
- 1991– DIVERSITAS
- 1994– Systematics Agenda 2000 International
- 1997– Towards an Integrative Biology
- 1998– Commission on Bioethics
- 1988– Bionomenclature and Taxonomy
- 2000– Human Dimensions of Biodiversity

Message from the Treasurer

Ron Dimock

The Society remains solidly in the black. One very bright note in that regard concerns the significant reduction in the cost of the Annual Meeting, something that Burk & Associates had prided itself as being able to do for SICB. Although the final figures are not firmly in hand for the 2001 meeting in Chicago, the actual debit for that meeting will probably come in at about \$6000. Since the 2001 Budget had anticipated a \$63,000 loss on the meeting, this result is very positive. When put in recent historical perspective, the cost reduction is even more spectacular. For example, the 1999 meeting in Denver cost SICB \$113,000; the 2000 meeting in Atlanta was \$121,000 in the red. Since the Chicago meeting has every potential of being within about 5% of breaking even, I think we can declare that the annual meetings will no longer be the major financial drain on the Society that we have seen for many years. In fact, if all goes according to plan, the 2002 meeting in Anaheim should certainly break even, if not generate a small profit.

By the time you read this Newsletter, you should all have received a postcard that described a clerical error that was missed in the proofing of the Registration Brochure for the Anaheim meeting. The dues rates for 2002 in that brochure for the Early–Bird renewal (prior to Jan 2, 2002) are incorrect. The correct rates are listed below and reflect the action of the Executive Committee last January of reducing the rates for the second year in a row. This was announced in the Spring Newsletter with the very proud notation that this reduction fulfills a promise that was made to the membership in the dark days of the early 1990s to reduce the dues as soon as the Society returned to its former solvency. We are now solvent, and the dues have returned to their lowest rate since 1993. We all should shout this wonderful turn of events to colleagues and former members who should be encouraged to join/rejoin!

Please note these correct figures for renewal/new membership for 2002 prior to Jan 2, 2002:

Full Member	\$85
Full Member Family	\$125
Emeritus with Journal	\$70
Emeritus without Journal	\$60
Post–Doc	\$45
Post–Doc Family	\$60
Graduate Student	\$36
Graduate Student Family	\$59
Student–in–Training	\$36

After the January 2, 2002 deadline to enjoy this Early–Bird reduction, the rates for new members joining SICB or current members renewing will become:

Full Member	\$95
Full Member Family	\$150
Emeritus with Journal	\$70
Emeritus without Journal	\$60

Post–Doc	\$71
Post–Doc Family	\$116
Graduate Student	\$36
Graduate Student Family	\$59
Student–in–Training	\$36

Unless the Executive Committee changes the dues rates again at its meeting in Anaheim, the \$85 full member rate et seq. will become the dues structure for 2003 and beyond.

When this Newsletter goes to print, the annual Strategic Planning Meeting of the core executive officers and personnel of Burk & Associates will have taken place (scheduled for the end of October). Part of the agenda of that meeting will be to consider investment options in light of the current global financial instability. The Society's finances are fully protected in very conservative instruments. While there is no intention of changing that strategy in any radical way, the meeting will provide a forum to review our current investment strategy.

One very significant component of the Society's income is the level of subscriptions to the American Zoologist. With the coming of the new name for the journal in 2002 (Integrative and Comparative Biology), we all should be vigilant to insure that none of our libraries uses the name change as an excuse to delete ICB from its holdings. The new format of the journal not only will increase its appeal to authors and readers, but the journal will also carry a by–line indicating that this is a continuation of the American Zoologist, not the development of a brand new journal. The volume numbers will reflect that continuation.

We all should make every effort not only to increase individual memberships but also to add subscriptions to the journal at every opportunity.

Message from the Program Officer

John Pearse

It is a pleasure to tell you about how nicely things are shaping up for our annual meeting in Anaheim. The usual mix of symposia, contributed oral and poster presentations, special lectures, workshops, get-togethers, and socials all will be there, as posted on the SICB website. Over 900 abstracts were submitted, arranged into sessions, and also posted on the [SICB website](#) for your perusal. We can still make minor changes in the program if necessary; just let me know (pearse@biology.ucsc.edu).

Bob Full, a long-time supporter of SICB who with his students has enriched our meetings with tales about how animals move around and why we should care, will open the meeting Wednesday evening with a talk on "Bipedal bugs, galloping ghosts, and gripping geckos: Bioinspired computer animation, robotics, and adhesives." A great way to kick things off, followed by a lively opening reception.

In addition to Bob Full's opening talk, there will be three other special lectures at the Anaheim meeting. On Thursday evening Simon Conway Morris will give a lecture in conjunction with the Metazoan Complexity and Cambrian Explosion symposia entitled "The Cambrian explosion: What's the problem?" At the same time, this year's DCPB Bartholomew Awardee, Sonke Johnsen will give the Bartholomew Lecture on "Hidden in plain sight: The ecology and physiology of organismal transparency." The following evening Howard Bern himself will initiate the DCE Bern Lecture series with a talk tentatively entitled "Emeritus engagements with endocrinology."

The Division-sponsored symposia range from "New perspectives on the origin of metazoan complexity," to "Integrative approaches to biogeography: Patterns and processes on land and in the sea," to "Dynamics and energetics of animal swimming and flying." Check the Divisional Program Officers' messages in this newsletter for their accounts of the Divisional symposia, as well as the symposium descriptions on the SICB website. In addition, there are two Society-wide symposia. One, "Symposium on comparative immunology," organized by past ASZ President Edwin Cooper, brings together recent advances in this truly integrative field that was once active in our society; perhaps the symposium will bring it back to us. The second Society-wide symposium, "The Promise of Integrative Biology," organized by President Wake and myself, will showcase some outstanding examples of integrative biology, as done both here and abroad.

This year the contributed oral and poster presentations both will be organized by topics, effectively mixing the interests of many of the divisions, and, I hope, facilitating exchange of ideas and viewpoints not seen at meetings of more specialized societies. I must once again thank those people who checked the "either" box for their presentations, allowing me to create more coherent sessions of compatible papers.

Among the special sessions planned will be workshops sponsored by the hard-working Public Affairs Committee: "Communicating ideas on evolution to the media and public" and "Web-based natural history databases," as well as another Evolution Town Meeting featuring this year Massimo Pigliucci discussing "Intelligent design theory." Many of you will also want to join again in DSEB's popular workshop "Phylogenetics for dummies."

The Graduate Student/Postdoc Committee has continued to organize events for students, the heart of our Society, with a luncheon for students on Thursday; a workshop Saturday evening that will offer, among other things, an overview of employment opportunities; and finally a society-wide

social later in the evening. In addition, NSF will hold two workshops as well as have a booth for people interested in funding opportunities, and Zoe Eppley, who was with NSF and has been a long-time supporter of SICB, will lead a workshop on grantsmanship.

If you didn't get an abstract in earlier and you now want to present something at the Anaheim meeting, IT IS NOT TOO LATE. The [abstract submittal page](#) is again open on the SICB website for posters. Get them in and we will fold them into an appropriate session.

This message will be my last as Program Officer, a responsibility I have mostly enjoyed these past 3+ years. The major accomplishment during that time has been the shift to a topical arrangement of the contributed presentations, initiated by Joan Ferraris and the Program Advisory Committee. My successor, Stacia Sower, has stepped in this year and gotten together the symposia for our meeting in Toronto in 2003. Getting a jump on the symposia so early is a great improvement over my previous years, and Stacia's work provides a model for how the Program Officer and Program Officer-elect can work together in the future. Stacia can also look forward to the pleasure I have had working with Sue Burk and the rest of the staff of Burk Associates, Inc., as well as our ever facilitating webmaster, Ruedi Birenheide. They have been simply great.

Best wishes to all of you.

John Pearse
Society Program Officer

Committee Reports

- [Student Support Committee](#)
-

Student Support Committee (SSC)

David W. Borst, Chair

Grants-in-Aid of Research (GIAR):

Last year, the SSC reviewed 96 applications for research grants and made 17 awards (total awards = \$11,900) to graduate students from 8 different divisions of the SICB. We anticipate a similar level of support this year. The maximum award is \$1,000; the average award for the past few years has been \$700. Applicants should be aware of the following rules for receiving an award:

1. The applicant must be a graduate student currently enrolled in a degree program;
2. Applicants must be active members of SICB in the year the award is made. Thus, students who join when they submit their application should pay their dues for next year (e.g., 2002).
3. The award must be spent in direct support of the proposed study (no stipends or equipment purchases);
4. The applicant may receive only one GIAR award;
5. Awards are made payable to the individual recipients or to his/her department or university;
6. No part of an award may be used for the payment of indirect costs to the recipient's institution.

Deadlines: The deadline this year for receipt of applications AND letters of recommendation is November 15. LATE APPLICATIONS WILL NOT BE REVIEWED.

Application process: All applications AND letters of recommendation must be submitted electronically this year using the forms located on the SICB website. For more information, please visit:

www.sicb.org/grants/researchgrant.php3

Travel Awards:

This program provides partial support to students attending the annual meeting. Last year in Chicago, the SICB provided support for more than 170 students. Nearly every eligible applicant was supported. These awards typically cover either the meeting registration (worth \$70) or a free hotel room with other students (worth about \$150–200 depending on the location). Applications are due on November 17, 2001 and can be made on-line. Only students who are SICB members and who are presenting authors of a paper or poster may apply for a SICB travel award. If you are granted support of any type through the SICB Student Support Program you are obligated to provide assistance during the meeting; failure to fulfill your obligation will cause immediate cancellation of your support. For complete details of this program, visit the website (www.sicb.org/meetings/2002/studentssupport.php3).

**SICB Fall 2001 Newsletter
News Announcements**

◆ [Interview Questions](#)

Interview Questions

An article from SICB's new "For the Public and Media" section full of advice of what to do if you are interviewed for a television show. [Click here!](#)

Division of Animal Behavior (DAB): 2001 Spring Newsletter

In this newsletter:

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

Peter Smallwood

First order of business is congratulations and thanks to Paul Cupp for agreeing to serve as program officer for our division. One of Paul's main functions is to help any of you who would like to develop a symposium for SICB. Come to our business meeting to meet Paul and the other officers, and to talk about future symposia.

The Division of Animal Behavior will be cosponsoring a symposium with the Division of Neurobiology at this year's meeting in Anaheim. The symposium is on The Neural Mechanisms of Orientation and Navigation, organized by James Murray, and I encourage you to attend.

We are a small division, but we have a tradition of putting on great symposia. We are always on the prowl for good symposium ideas. What special topic are you most interested in, what 8–12 speakers would you like to see in one meeting? If you have ideas for symposia, please contact our new program officer, Paul Cupp, (Paul.Cupp@eku.edu), our chair, David Pfennig (dpfennig@email.unc.edu), or me (psmallwo@richmond.edu).

Opportunities for Graduate Students

Support for Meeting Attendance: If you are a graduate student or have graduate students attending the Chicago meetings, make sure they are aware of the Student Support Program. 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 one ½ day as a room monitor, slide projectionist, or registration assistant. If you or your student did not check the box for Student Support on the abstract transmittal form, contact the SICB business office for more information and application materials.

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

Division of Comparative Endocrinology (DCE): 2001 Fall Newsletter

In this newsletter:

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

David Norris (david.norris@colorado.edu)

As my tenure as Chair of DCE expires, I want to thank all the present and past officers for their hard work this past two years as well as the many member volunteers that have contributed to help with various DCE activities. The quality of papers, posters, and symposia at the annual meetings keeps improving thanks to the efforts of all of you, our contributing members. We need to continue efforts to rebuild our membership by attracting new members and encouraging former members to rejoin and attend the annual meeting. Your new Chair, Michael Moore, will be taking over at the Anaheim meeting and you need to continue your support of our Division under his leadership. And show your DCE support now by voting for your new officers.

The first Howard A. Bern Distinguished Lectureship in Comparative Endocrinology will be presented this January at the Anaheim meeting and we hope you will all come to welcome Professor Emeritus Howard A. Bern who will be the first Distinguished Lecturer of the series. Meanwhile, we are now soliciting nominations for the Distinguished Lecturer for the 2003 meeting in Toronto. A nomination is not limited to SICB members or even to North Americans, but it should be a person who has had an impact on the field of comparative endocrinology in the spirit exemplified by Howard Bern's career in comparative endocrinology. Nominations may be given to any of the current officers by any means possible prior to December 1 so that the selection can be made by the Executive Committee before the Anaheim meeting.

It is with great sadness that I report the death of a long-time DCE member and fellow scientist, Nancy Barnes Clark. A number of us have known Nancy and her husband George since graduate school days when she was completing her PhD with Aubrey Gorbman at the University of Washington in the early 1960s. Nancy began her endocrine studies on the regulation of calcium physiology in reptiles and later extended her research to birds. She was a strong participant in and supporter of DCE for many years. A memorial service was held last April in Norwich, VT. The following obituary was thoughtfully provided by Kathy Packard.

Nancy Barnes Clark, a long-time member of ASZ and DCE until her retirement in 1994, died at home in Norwich, VT, after a year-long battle with cancer. Nancy received a B.A. magna cum laude from Mt. Holyoke College and the M.A. and PhD. from Columbia University. She worked with Jane Kaltenbach as an undergraduate at Mt. Holyoke and did her graduate work with Aubrey Gorbman. Nancy married George Clark in 1961 and began her career at the University of Connecticut in the mid-1960's. Members of DCE will remember Nancy as a regular participant in the Division (both at the annual meeting of the ASZ and at various regional meetings of the Division). She also served as treasurer of ASZ in the 1980's. Nancy published more than 70 papers in comparative endocrinology, received regular funding for her work from NSF, and served as Program Officer in Regulatory Biology at NSF in 1977/78. Nancy retired from the University of Connecticut in 1994 after

29 years and moved to Norwich, VT. During retirement, she was appointed as Visiting Professor of Biological Sciences at Dartmouth and taught physiology there. Nancy had been an active volunteer in Storrs, CT and she continued those interests in retirement. She was leader of the Northern Foragers 4H Club in Norwich, Secretary of the Ottauquechee Section of the Green Mountain Club, taught a Norwich Recreation Department basketry course, and was a leader in the gardening activities of the Norwich Women's Club. She also was an avid hiker and a Master Gardener.

Message from the Program Officer

Sunny Boyd (boyd.1@nd.edu)

The January 2002 meeting in Anaheim, California, will have the usual strong showing from DCE members. The central symposium for our division this year is "Integrative and Evolutionary Roles of Hormonebinding Proteins", organized by Kevin Kelley of California State University at Long Beach and Cunming Duan of the University of Michigan (www.sicb.org/meetings/2002/symposia/hormone-binding-proteins.php3). The symposium itself includes twelve noted scientists who will speak on Friday, January 4. A keynote address by Dr. Howard A. Bern of the University of California at Berkeley will cap the symposium. Dr. Bern's address is tentatively titled "Emeritus Engagements with Endocrinology." I expect our entire membership will find much of interest on Friday.

A special mini-symposium, to accompany the Hormone-binding Proteins session, further enhances the program for Anaheim. This mini-symposium will consist of contributed papers that relate to the main symposium topic and will feature student and post-doctoral members especially. In addition, we have a full slate of contributed papers and posters integrated throughout the other days of the meeting. Currently, DCE members are primary authors of about forty contributed oral presentations. The poster presentations are still being organized at the time I write. Please plan to stay for the entire meeting because every day will have significant contributions from our membership, as well as members of the other divisions. Student participation in the Best Student Paper and Poster competitions is especially strong this year. I would appreciate hearing from volunteers (at faculty or post-doc level) who could help judge this competition (boyd.1@nd.edu).

Finally, the program for Anaheim includes our annual business meeting on Thursday, January 3. This will be immediately followed by a DCE-sponsored social. I would like to emphasize that all members are welcome at the business meeting. Graduate student and post-doc participation in our program is the key to its success. Likewise, graduate students and post-docs are very welcome at the business meeting. We often make decisions that affect your future! Please come to the business meeting before the social.

Message from the Secretary

Bob Denver (rdenver@umich.edu)

Below are biosketches for DCE candidates for Chair–elect and Secretary–elect. You will be receiving paper ballots in the mail from the SICB office. Please vote!

The 14th International Symposium on Comparative Endocrinology was held in Sorrento, Italy May 26–30, 2001. By all measures the meeting was a resounding success. An excellent scientific program combined with friends, fine Italian food and culture to make for a fantastic meeting. I enjoyed seeing several members of the SICB DCE at the meeting in Sorrento. I welcomed the opportunity to represent the SICB DCE at the International Federation of Comparative Endocrine Societies (IFCES) Council meeting and will now serve as the Secretary/Treasurer of IFCES for the next five years. Thus, feel free to contact me for information about IFCES and its activities, as well as to provide suggestions. Minutes of the IFCES Council meeting are now available online (www.biology.lsa.umich.edu/faculty/labs/denver/IFCESminutes2001.html).

At the meeting in Sorrento Bob Dores convened a meeting of the Editors of General and Comparative Endocrinology. The new editorial structure was described in the [Spring 2001 DCE newsletter](#). Information can also be found on the GCE website (www.apnet.com/www/journal/gc/gcifa.htm).

The 15th International Congress on Comparative Endocrinology will be held in Boston May 23 to 28, 2005. A web site has been established for the meeting: www.bu.edu/ICCE15/. Proposals for satellite symposia are currently being accepted.

ALERT FOR STUDENTS! Stacia Sower announced that there would be a competition for the creation of a logo for the meeting. Students will be invited to submit logos to the competition. The winner will receive free registration for the meeting and \$1000 for travel and expenses. The deadline for the submissions is May, 2002.

The local organizing committee consists of:

Ian Callard (chair)
Stacia Sower
Jennifer Specker
Gloria Callard
Anne McNabb
Mary Wright
Steve McCormick
Martin Schreibman.

The international program committee consists of:

Ian Callard (USA; chair)
Yoshio Takei (Japan)
Kazuyoshi Tsutui (Japan)
Jean Joss (Australia)
Gerd Gade (South Africa)
Hubert Vaudry (Europe)
Liliane Schoofs (Europe)
Stacia Sower (USA)
Frank Moore (USA)

The current IFCES officers will also serve on the international program committee.

The site of the 16th ICCE (Brisbane, Australia) was announced at the Sorrento meeting.

A new divisional website has been established (www.sicb.org/divisions/dce.php3) which is intended to provide current information of relevance to the DCE membership. Suggestions for material to be included on this site are welcome (rdenver@umich.edu).

Upcoming Meetings

The following link provides information on select upcoming comparative endocrinology meetings: (www.sciref.org/links/AEOrgs/compendo.htm)

Fourth Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology China, 2002 Info: Jean Joss jjoss@rna.bio.mq.edu.au

21st European Society for Comparative Endocrinology Bonn, Germany August 26–31, 2002
www.esce2002.uni-bonn.de

15th International Congress on Comparative Endocrinology Boston, MA USA May 23–28, 2005
mmcom.bu.edu/comweb/webmaker/misbin/default.html

DCE Candidates for Election

Candidates for Chair–Elect

Catherine Propper

Current Position: Associate Professor, Department of Biological Sciences, Northern Arizona University, Flagstaff, Arizona

Education: A.B. Zoology, University of California, Berkeley, 1982; Ph.D. Oregon State University, Corvallis, 1989.

Professional Experience: NRSA Postdoctoral Fellow, University of Colorado, Mentor: Richard E. Jones, 1989–1990; Assistant Professor, Department of Biological Sciences, Northern Arizona University, Flagstaff, 1991–1996; Associate Professor, Department of Biological Sciences, Northern Arizona University, Flagstaff, 1996–present.

SICB Activities: Member, Graduate Student, Postdoctoral Fellow Representative DCE 1986.

Other Memberships: Sigma Xi, AAAS

Research Interests: Action of endocrine disrupting compounds on reproduction and stress responses; neuroendocrine control of seasonal reproduction and behavior. We use amphibians as model systems to examine the effects of low–level exposure to pesticides on reproduction and behavior. We are also investigating the molecular mechanisms that are involved in the initiation of seasonal reproduction.

Goal Statement: Comparative studies in many fields have often led to outstanding discoveries in basic science. I would like to develop a platform for promoting both historical and current comparative endocrine studies that are important to pushing forward the field. I believe that SICB and the Division of Comparative Endocrinology are positioned to act as the sponsors of such an effort.

David Borst

Current Position: Professor of Biology, and Head of the Cell Biology, Physiology, and Developmental Biology Section, Department of Biological Sciences, Illinois State University, Normal, IL

Education: B.A., Biology, Reed College, 1969; M.A., Zoology, UCLA, 1970; Ph.D., Biology, UCLA, 1973.

Professional Experience: Damon Runyon Postdoctoral Fellow, Dept. Zoology, UC Berkeley, 1973–76; Assistant Professor, Physiology Section, Univ. CT, Storrs, 1976 – 1985; Visiting Scholar, UCLA, 1984; Associate Professor of Biology, Illinois State Univ. (ISU), 1985–1990; Professor of Biology, ISU, 1990 – present; Visiting Scholar, Univ. Washington, 1990 – 1991; College of Arts and Sciences Research Award, ISU 1995, Visiting Professor and NIH–Fogarty International Fellow, Univ. Liverpool, 1997 – 1998; Editorial Board, *American Zoologist*, 1997 – present; Outstanding University Research Award, ISU, 1999; Associate Editor, *Journal of Experimental Zoology*, 1999 – present.

SICB Activities: SICB member since 1972. During the past decade my activities in the SICB have included: Chair, Graduate Student Postdoctoral Affairs Committee (1990–1994); Co–Organized, Midwest Regional Endocrinology Conference (May, 1992); Member, DCE Best Student Paper Award Committee (1992, 1995, 1996); Editorial Board, *American Zoologist* (1997 – present); Chair, Graduate Student Awards Committee (1996 – present); I organized panel discussions on: *The Publication Process: Four Inside Views* (1990); *Life Outside the Ivory Tower: Nonacademic Jobs for Biologists* (1991); *Strategies for Finding an Academic Job* (1992); *How to Shake the Money Tree: a Guide to Research Funding for Graduate Students and Post–Doctoral Fellows* (1993); I co–organized a symposium " *Recent Advances in Crustacean Endocrinology – a symposium in honor of Milton Fingerhann* " (2000).

Other Memberships: American Association for the Advancement of Science, MBL Corporation, Endocrine Society, Crustacean Society, International Federation of Comparative Endocrinology, Sigma Xi, Phi Sigma.

Research Interests: Endocrine regulation of development, growth, and reproduction. Current studies focus largely on the roles of juvenile hormones and ecdysteroids in arthropods and ovarian steroids in birds. In the past, I studied the role of prolactin and insulin related compounds on the growth and differentiation of mouse mammary tissue.

Goals Statement: The SICB has been reinvigorated during the past decade, in part because new molecular and cellular tools have given us a more sophisticated understanding of how organisms integrate their functions. Since endocrine systems have a critical role in such integration, it is not surprising that the DCE has also grown stronger during this period. One goal of our division should be to encourage the further development and use of these molecular and cellular tools. Another goal should be to increase the dialogue between our members and with members of other SICB divisions. These goals can be achieved in several ways. First, we need to increase attendance by new (especially younger) and current members at the national meeting. This can be partly accomplished by the continuing to increase the quality of our symposia, some of which should be focused on the technical developments in our field. Second, we need to continue to improve our journal, since it is a major means of attracting interest to our field. Finally, we need to continue and perhaps increase our financial support of regional meetings.

Candidates for Secretary–Elect

Cliff H. Summers

Current Position: Professor of Biology and Neuroscience, University of South Dakota

Education: Ph.D., University of Colorado, Boulder, 1987

Professional Experience: Postdoctoral training at UCLA, Univ. Tennessee, and Univ. Colorado 1986–1990. Assistant Professor, California State University, San Marcos 1990–1991. Assistant, Associate and Professor, University of South Dakota 1991–2001.

SICB Activities: Life Member, Organized Symposium: Stress – Is it more than a Disease? A Comparative Look at Stress and Adaptation, with James A. Carr for the 2001 annual meetings in Chicago.

Other Memberships: Society for Behavioral Neuroendocrinology, Society for Neuroscience, JB Johnston Club, AAAS.

Research Interests: Neuroendocrinology of stress. Mechanisms for how and why individuals differ, how responses are characterized temporally, and the relationships between stress, learning, biological rhythms, and reproduction.

Goals Statement: I think the objectives for any society, division, or officer should include being: User friendly, effective within a limited scope, and informative. My goal is to apply those principles to the duties of secretary.

James A. Carr

Current Position: Associate Professor, Department of Biological Sciences and The Institute for Environmental and Human Health, Texas Tech University, Lubbock.

Education: B.S., Rutgers University, New Brunswick, 1982; M.A., University of Colorado, Boulder, 1986; Ph.D., University of Colorado, Boulder, 1988.

Professional Experience: Research Associate, Department of Anatomy, University of New Mexico School of Medicine, Albuquerque, 1988–1989; NIH Postdoctoral Fellow, University of New Mexico School of Medicine, Albuquerque, 1989–1991; Assistant Professor, Department of Biological Sciences, Texas Tech University, 1991–1997; Associate Professor, Department of Biological Sciences, Texas Tech University, 1997– Present; Adjunct Faculty, The Institute for Environmental and Human Health, Texas Tech University, 1998–Present.

SICB Activities: Member, 18 yrs. Co–organizer, SICB symposium, "Stress–Is it more than a Disease? A Comparative Look at Stress and Adaptation"; Judge, Aubrey Gorbman Best Student Paper/Poster, Division of Comparative Endocrinology (1996, 1999, 2000); Co–organizer, Southwest Regional Conference on Comparative Endocrinology, Lubbock, TX, 1994.

Other Memberships: Society for Neuroscience, J.B. Johnston Club, American Heart Association,

International Neuropeptide Society, European Comparative Endocrinology Society.

Research Interests: My research focuses on various aspects of comparative neuroendocrinology. I am particularly interested in the physiology and evolution of brain and pituitary melanocortin peptides and the influence of environmental contaminants on endocrine function.

Goals Statement: To maintain the identity of our division while at the same time fostering interaction with other divisions within the society, especially through jointly sponsored symposia. To support and publicize our regional and national meetings as platforms for discussing comparative endocrinology from molecular to behavioral levels, thereby encouraging an integrated approach to the topic.

Division of Comparative Physiology & Biochemistry (DCPB): 2001 Fall Newsletter

In this newsletter:

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

Message from the Chair

Steven C. Hand

Our Division sponsors the journal *Physiological and Biochemical Zoology*. This spring the review of proposals for the editorship of PBZ was completed, and I am pleased to announce that Dr. James W. Hicks was selected as the new Editor-in-Chief, with Drs. Al Bennett and Tim Bradley as Associate Editors. All three of these physiologists are professors at the University of California, Irvine. It is anticipated that the move of the editorial office from the University of Colorado, Boulder to Irvine will be completed this fall. The institutional support for the journal will continue to be strong at UC-Irvine, and the day-to-day operation of the journal will be in very capable hands under the new leadership of Drs. Hicks, Bennett and Bradley. As past editor of the journal, Dr. Greg Snyder is to be congratulated on the excellent work and milestones accomplished during his recently completed tenure. A hearty thank you from the Division is in order for the efforts Dr. Snyder and his staff over the last five years.

As a consequence of the untimely death of Larry McEdward (Program Officer, Division of Invertebrate Zoology), all SICB Divisions have been encouraged by President Marvalee Wake to consider adding a formal amendment to their bylaws to provide a means for filling unexpected vacancies in offices (due to resignations, deaths, etc.). To this end, I would like to propose the following draft amendment for consideration and discussion at our 2002 annual business meeting in Anaheim: "In the case when a divisional office is unexpectedly vacated, the current Nominating Committee will recommend to the Chair an interim officer who will be appointed to serve for not more than 12 months, during which time a divisional election will be held to select a person to fill the vacancy."

Please note the call for nominations for the 2002 George A. Bartholomew Award that is posted on our [divisional website](#). Nominations should be sent to Dr. Ray Huey, and review of nomination materials will begin October 8 and continue until an awardee is chosen. Please see [the announcement](#) for more details.

A conference on comparative physiology, sponsored by the American Physiology Society, will be held in San Diego in less than a year (August 25–28th, 2002). The conference is entitled "The Power of Comparative Physiology: Evolution, Integration and Applied" and should be an exciting one for the membership of our division. More details can be found at the conference website: www.the-aps.org/meetings/aps/san_diego/home.htm

Finally, DCPB is sponsoring three symposia at the SICB annual meeting in Anaheim, and we anticipate exceptionally large numbers of contributed talks and posters. I look forward to seeing you there January 2–6.

Message from the Program Officer

Jon Harrison

Greetings!

Anaheim: The Anaheim meeting has three symposia co-sponsored by DCPB:

- "Biomechanics of Adhesion", organized by Kellar Autumn and Robert Full;
- "Dynamics and Energetics of Animal Swimming and Flying", organized by Malcolm Gordon, Ian Bartol, and Jay Hove; and
- "The Physiological Ecology of Rocky Intertidal Organisms: From Molecules to Ecosystems", organized by Lars Tomanek and Brian Helmuth.

See details for these and other meeting symposia at: www.sicb.org/meetings/2002/symposia/index.php3

Other items of special interest to DCPB include:

- 1) opening session talk by Robert Full, "Bipedal bugs, galloping ghosts, and gripping geckos: Bioinspired computer animation, robotics, and adhesives", Wed. 8 PM,
- 2) Bartholomew Award lecture by ????, Thurs. 6:30 PM,
- 3) NSF funding opportunities with Bill Zamer (NSF Integrative Animal Biology program officer and SICB member), Thurs. 7:30 PM and Fri. 11:45 AM,
- 4) DCPB Business meeting, Thurs. night. Come, meet famous and infamous people, have fun, and get involved in the division!

There are also a number of very interesting symposia in the other divisions, as well as workshops on grantsmanship, phylogenetics, and web databases. It should be a great meeting!

Students: Remember you can get support to attend this meeting; the application is due Nov. 16. See: www.sicb.org/meetings/2002/studentsupport.php3

Other meetings of interest, as you begin planning your next year:

American Physiological Society: The Power of Comparative Physiology: Evolution, Integration and Applied. August 24–28, 2002. Town and Country Hotel, San Diego, CA. [www.the-aps.org/meetings/aps/san diego/home.htm](http://www.the-aps.org/meetings/aps/san_diego/home.htm). This promises to be an outstanding international comparative physiology meeting.

SICB annual meeting, Toronto, January 4–8, 2003. I can't tell you any specifics yet, as the final decisions have not been made, but six excellent DCPB proposals have been submitted, CSZ is sponsoring physiological symposia, and there are also several cross-society symposia with DCPB involvement. It appears that this meeting will be our most vigorous SICB comparative physiology and biochemistry meeting in many years. Thanks to all the organizers!

Message from the Secretary

Jeannette E. Doeller

An election will be held this fall for the office of DCPB secretary. Candidates are Mary Chamberlin (Ohio University) and Bernard Rees (University of New Orleans). Candidate CVs can be found in the [Spring 2001 Newsletter](#). You will receive a paper ballot this fall. Please return your completed ballot to SICB Headquarters ASAP. The new secretary will officially assume the duties at the end of the Anaheim meeting. Thanks to both candidates for their willingness to stand for election.

Bill Zamer, Integrative Animal Biology Program Director in the Division of Integrative Biology and Neuroscience at NSF, would like to bring this program announcement to our attention. The new NSF Biocomplexity in the Environment program descriptions are on the NSF web site (www.nsf.gov). From the NSF home page, click on Environmental Research and Education, and then click on the link in the upper right-hand corner for Biocomplexity in the Environment Special Competition. Investigators should explore all of those targeted areas near the bottom of the page. Please note the area describing Genome-Enabled Environmental Science and Engineering (GEN-EN). Clicking here will open the following web page www.nsf.gov/pubs/2002/nsf02010/nsf02010.html#genen.

The following is a message from Malcolm Gordon and Soraya Bartol, co-chairs of the UCLA Conference on Experimental Approaches to Conservation Biology, held September 11-14, 2001, to all actual and intended participants. This message expresses some thoughts and feelings we may all have had in light of recent events:

"This is a short summary, to inform all concerned, describing how much of the Conference we were able to salvage in the aftermath of the sad and terrible events of Tuesday, 9/11. The mood was somber, but we think it is accurate to say that everyone who was here felt that it was good that we did as much as we could to salvage scientific and human value from a totally unforeseeable set of circumstances. We had an interesting and informative meeting that was shorter and more restricted in scope than what we had planned, but it was still stimulating and high in quality. It was a small victory for values other than terrorism. We had a total of about 40 participants altogether. Based on the prior arrangements we had hoped to have about 100. Fortunately, no one travelling to the conference was involved with the events of 9/11. However, as we have learned since, more than a few people who were on their way to LA were returned to the points of origin of their flights, or were grounded in various places. We had invited speakers grounded from Atlanta, Georgia to Honolulu, Hawaii. One intrepid speaker, Mike Hadfield, made it here on the first flight from Honolulu to LA as air service began to be restored. He arrived in time to give his paper. About half the scheduled speakers did not make it at all. Events made it necessary to cancel all activities on both Tuesday, 9/11 and Wednesday, 9/12. We had two full days of program on Thursday and Friday. A total of 17 30-minute papers were presented, 8 on Thursday, 9 on Friday. We had panel discussions of each day's presentations, and the Thursday program concluded with the scheduled media workshop on "Breaking through to broader audiences." Three of the planned posters were presented on Thursday. The closing dinner took place Friday evening. On Saturday a group of ten participants and family members made a very interesting and informative field trip to Catalina Island to see various aspects of the endangered species protection and restoration programs, and the exotic species control programs, being carried out there by the Catalina Island Conservancy.

We anticipate that the book to be published by the University of California Press that will be based primarily upon the proposed invited presentations will proceed as planned. If any of you have comments or questions about any of this, please let us know. For those of you who were here, thank you again for your willingness to proceed as best we could. It was a good, useful, informative, and inspiring gathering. For those of you who did not make it, thank you

for trying to get here. We hope everyone's lives and work will go well in this new and potentially more difficult environment."

Message from the Bartholomew Award Committee Chair

Raymond B. Huey

The Bartholomew Award was established in December 1992 by the Division of Comparative Physiology and Biochemistry of the American Society of Zoologists. The guidelines were originally developed by a committee [Ray Huey (chair), Brian Barnes, Malcolm Gordon, Henry John–Alder, and Mary Murphy] appointed by Linda Mantel, Chair of the Division. The committee's proposal to establish the award was then presented to the annual business meeting that December and approved with enthusiasm.

The primary purpose of the award is to acknowledge outstanding young investigators in functional biology, and to do so at a time in their careers when honors are most important. We felt as well that establishing this award would add to the growing momentum in this field. We viewed the American Society of Zoologists as the appropriate society to house the award, because of its long tradition of supporting functional and integrative approaches.

Candidates are eligible for up to seven years post Ph.D. They can either be nominated for the award or can apply directly. A committee appointed by the Chair of the Division screens the candidates and makes a recommendation to the Chair. The winner gives a special lecture at the annual meeting of the Society, normally scheduled to follow the business meeting. The winner's travel expenses are covered by an endowment. We hope that the endowment will grow sufficiently to provide a cash award as well. At the Yr. 2000 meeting in Chicago, a cash honorarium was generously provided by Sable Systems, Inc.

The decision to call this the "George A. Bartholomew Award" was a natural for many reasons. Most importantly, Bart's record as a mentor and supporter of young scientists in functional biology is without par. In addition, as much as anyone, he defined and epitomized functional biology; and he was also a former President of the Society. Moreover, we felt that naming the award after him would immediately convey prestige, significance, and recognition to the award.

The roster of Bartholomew Awardees has been outstanding, and all have established remarkable careers (two have already received endowed professorships!). Their presentations have become an exciting and well-attended highlight of the annual meeting.

George A. Bartholomew Award Winners

1993 Barbara A. Block (Charles Elizabeth Prothro Professor, Stanford University Hopkins Marine Station)

1994 Michael H. Dickinson (Williams Professor, University of California, Berkeley)

1995 Peter C. Wainwright (Associate Professor, University of California, Davis)

1996 Stephen M. Secor (Assistant Professor, University of Alabama)

1997 Gretchen E. Hofmann (Assistant Professor, Arizona State University)

1998 Tyrone B. Hayes (Associate Professor, University of California, Berkeley)

2000 Kathleen Gilmour (Assistant Professor, Carleton University)

2001 Martin Wikelski (Assistant Professor, Princeton University)

Division of Developmental & Cell Biology (DDCB): 2001 Fall Newsletter

Message from the Chair

Patricia Glas

Dear Colleagues,

It is ironic that as the United States begins to heal from the events of September 11, 2001, the technologies and techniques developed by research scientists such as ourselves and our colleagues play an important role in our recovery. Cell extraction and DNA fingerprinting are the only way some of the victims may be identified. These techniques were part of the research laboratory first before being used and accepted in clinical and forensic applications. We should be grateful that as scientist we have contributed in some small way to allow this closure.

As we approach the winter, I urge teachers, researchers, and students to plan to attend the annual meeting in Anaheim. Teachers should encourage their students to join and attend the SICB meetings for positive interaction with colleagues and to get fresh perspectives on their research. New students should be encouraged to attend to see how their prospective research fits into the "big picture" and to look for other researchers for support or interaction. Researchers also can get valuable constructive criticism or ideas and information for new directions. There is truly "something for everyone" at the annual meetings.

I also ask that teachers and researchers urge their students and new associates to join SICB and the Division of Cell and Developmental Biology. If our numbers continue to decrease, we will have to consider the dissolution of this division. This will mean a loss of a division that has sponsored presentation of new research in all areas of cell and developmental biology. Consider the role of the division in any area of cell biology or development of an organism. As the starting point for so much research discussion, loss of the division would be a major loss to future students and future projects. Cell and developmental biology has provided the beginnings of research projects that continue in many laboratories today. Renew your membership and check DCDB as one of your areas of interest. Urge your students to use the division as a starting point for their research or new research discussions.

The program officers and planners have several exciting symposia planned for this year. And, as always, the posters and presentations for each division will be available. The symposia will start on the first afternoon, so make plans to arrive early enough to hear some of these exciting speakers. Hope to see y'all at the meeting in Anaheim.

Pat Glas
Division of Cell and Developmental Biology

Division of Evolutionary Developmental Biology (DEDB): 2001 Fall Newsletter

In this newsletter:

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

Message from the Program Officer

Mark Q. Martindale

Greetings evo/devo-tees! Just wanted to pump you all up about the upcoming SICB meeting in Anaheim (Jan. 2–6, 2002)! In addition to the Societies other diverse set of topics, our DEDB division is sponsoring two outstanding symposia, and co-sponsoring a third this year. The first two, "New perspectives on the origin of metazoan complexity" organized by Ruth Ann Dewel, James G. Gehling, and Julian P. S. Smith III, and "The Cambrian explosion: Putting the pieces together", organized by Graham Budd and Kevin Peterson will both feature exciting and novel looks at events occurring at the base of the metazoan tree. These two symposia will be punctuated (hee hee hee..) with an evening lecture (Thursday Jan.3) the by the always entertaining Simon Conway Morris. Our co-sponsored symposium is in conjunction with our friends from the division of developmental and cell biology entitled, "Ecological developmental biology" (or "Eco-Devo") organized by Scott F. Gilbert and Jessica Bolker. This symposium will take a fresh look at the role of the environment on shaping developmental processes.

Yet another good piece of news is that abstracts for poster presentations has been extended until November 1, so check out the Society Website for details on electronic submission. I'm looking forward to seeing you all in La-La land, but now, get back to work!

Aloha!

Message from the Student/Postdoc Representative

Patricia Hernandez

As the meeting approaches I wanted to remind you of important events going on during the annual meeting. I urge all students attending their first SICB meeting to attend the Student "First Timer" orientation on Wednesday, January 2 from 5:30–6:15pm. This is a great way to start making connections at the meeting. All students and postdocs are encouraged to attend the Student/Postdoctoral Luncheon on Thursday, January 3, from 11:30am–12:50pm. I would also encourage students and postdocs to get involved in the SICB Student/Postdoctoral Affairs Committee. You really can make a difference in this society if you get involved.

Students presenting posters or talks should be aware that there is a competition for best student paper. Please be sure to sign up for it when registering for the meeting. Also be aware of the fact that SICB provides very generous support for students presenting at the meeting. Student support applications are due November

16th.

Please take the time to attend the business meeting for DEEB held from 5:15pm–6:15pm on Friday, January 4. We are a new division and your input as young members of the society is vitally important.

Message from the Secretary

Ken Halanych

Be sure to vote!! The ballots for the new officers should be going out about the same time as this newsletter. Especially because the division is young, now is when we need your input!

Also please try and attend the DEEB business meeting. It is scheduled for Friday January 4th at 5:15 PM, but be sure to check for any last minute changes. Several important issues are raised at these meetings (For example, what symposia to support, how to spend our money, and should we have a social?)

Any ideas on how to improve the division or the DEEB webpage is welcome. If you have specific ideas or comments on how the page could be improved or made more useful, please write me (khalanych@whoi.edu).

Division of Ecology & Evolution (DEE): 2001 Fall Newsletter

In this newsletter:

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

Message from the Chair *Cathy McFadden*, Secretary *Linda Walters* and Program Officer *Brian Helmuth*

We are looking forward to the 2002 SICB Annual Meeting in Anaheim, California, from January 2–6. The list of symposia is very exciting and DEE is the primary sponsor for two: "Physiological ecology of rocky intertidal organisms: from molecules to ecosystems," and "Integrative approaches to biogeography: patterns and processes on land and in the sea." A tentative schedule of symposia is already posted on the SICB 2002 Meeting website (www.sicb.org/meetings/2002/) along with detailed background information on some of the symposia and participating speakers. Also, please note that SICB's Public Affairs Committee is organizing another Evolution Town Meeting to be held during the Anaheim meeting. This informative and thought-provoking event was very well attended at last year's meeting in Chicago and we encourage all DEE members to attend and participate in this year's version. We also remind you to please attend the DEE Business meeting in Anaheim. The business meeting is open to all members including students, and is your chance to tell us what you currently do and don't like about DEE or SICB.

Proposals for symposia at the 2003 Toronto meeting are already being considered, and we encourage everyone to start thinking about ideas for the 2004 meeting. DEE serves as a home for a diverse array of ecologists and evolutionary biologists, and we are hopeful that this is reflected in our diverse symposia. One of our goals over the past several years has been to increase the participation of plant ecologists/evolutionary biologists in SICB, and ideas for symposia that support this goal are particularly welcome. Symposium ideas should be sent to DEE Program Officer Brian Helmuth, helmuth@biol.sc.edu.

This fall we will be electing two division officers, Chair-Elect and Secretary. Nominees for Chair-Elect are Mary Alice Coffroth and Florence Thomas. Nominees for Secretary are Suzanne Worcester and Michael Temkin. Brief biographies and goals statements from each candidate are [included here](#). You should be receiving ballots soon (via email and/or the postal service), and we implore you to please cast your vote by the stated deadline. Voter turnout for the last DEE election was extremely low – please help us avoid such embarrassment this time around and cast your votes! The new officers will be introduced at the Division meeting in Anaheim.

This year we expect to be judging a record number of students competing for the DEE best student presentation (poster and oral presentation) awards. Students: please sign up for this year's competition! Faculty and post-docs: We need your help! If you would like to help judge presentations for DEE, please contact Linda Walters (Secretary) at: 407-823-2148 or ljwalter@pegasus.cc.ucf.edu. Being a judge is a very good way to support the Division and the Society, it looks wonderful on the service portion of your annual evaluation and curriculum vitae, and it doesn't take up too much time. Last year, each judge was responsible for 3–5 talks. Thank you in advance!

Finally, we note with great sadness the untimely passing of longtime DEE member Larry McEdward. At the time of his death Larry was serving as Program Officer for DIZ, but he had also been an active participant and valuable contributor to DEE for many years. Our division will miss him greatly, and we look forward to sharing fond memories of Larry with all of you at this year's meeting. See you in Anaheim!

DEE Candidates for Election

Candidates for Chair–Elect

Mary Alice Coffroth

Current Position: Associate Professor, Dept. of Biological Sciences, S.U.N.Y. at Buffalo

Education: B.S., Biology, College of William and Mary in Virginia, 1976; M.S., Rosenstiel School of Marine and Atmospheric Science, University of Miami, 1981, Ph.D., Rosenstiel School of Marine and Atmospheric Science, University of Miami, 1988

Professional Experience: Postdoctoral research, SUNY at Buffalo, 1988–89; NSF Biotechnology postdoctoral fellow, Smithsonian Tropical Research Institute, Panama, 1990–92; Research Associate Professor, Biology, S.U.N.Y. at Buffalo, 1992–Present; Assistant Professor, Biology, S.U.N.Y. at Buffalo, 1997–2001; Associate Professor, Biology, S.U.N.Y. at Buffalo, 2001–Present; Research Associate, Smithsonian Tropical Research Institute, 1997–Present.

SICB Activities: Member Society Nominations Committee, 1997; Best student paper competition judge, 1997, 1998, 2001.

Other Memberships: International Society for Reef Studies, The Oceanography Society, Society for the Study of Evolution, Western Society of Naturalists, AAAS

Research Interests: Population structure of marine invertebrates; population dynamics and ontogeny of marine symbioses

Goals Statement: The Society provides an excellent venue for interactions across many subdisciplines and is especially good at providing opportunities for graduate student participation and integration into the Society (socials, luncheons, Best paper award, etc). It will be important to continue to recruit new members and encourage graduate student participation. I would like to see the Society continue to make the meetings accessible (financially) to both graduate students and researchers from small colleges. My specific goals for DEE would be to continue to guide DEE in the direction that recent leadership has taken, namely to encourage the involvement of other ecological and evolutionary groups to increase the participation of ecologists and evolutionary biologists in the society. To this end I would seek to establish an ongoing relationship with either ESA or SSE to have a winter meeting in conjunction with SICB. I would also support and encourage interdisciplinary symposia that work to bring together members from the various subdisciplines.

Flo Thomas

Current Position: Assistant Professor, Department of Biology, University of South Florida, Tampa, FL

Education: B.A., Biology, University of Washington 1985; M.S., Ecology and Evolutionary Biology, Brown University 1987, Ph.D. Integrative Biology, University of California at Berkeley 1992.

Professional Experience: Post– doctoral researcher, University of Hawaii, 1992–1996; Assistant Professor/Senior Marine Scientist, Dauphin Island Sea Lab; Assistant Professor, Department of Biology, University of South Florida, 1999–present.

SICB Activities: Workshop coordinator: Increasing minority involvement in the Society of Integrative and Comparative Biology, 2000. Member since 1985; Best student paper award committee DIB, DEE; Session Chair DIB, DEE.

Other Memberships: American Society of Limnology and Oceanography, Sigma Xi, International Coral Reef Society.

Research Interests: The research in my laboratory focuses on two major areas relating physical processes to ecology and evolution (1) the effects of water flow on chemical transport in natural systems and (2) reproductive ecology and evolution in marine invertebrates. In addition to these research endeavors, my lab is actively involved in educational outreach.

Goals Statement: Biology in general has become increasingly multi–disciplinary. By providing a forum for symposia and workshops, SICB can be a focal point for interdisciplinary exchange and take action to encourage connections between disparate fields that have had little interaction. Additionally, SICB should encourage and actively pursue programs that will increase the diversity of people represented within the society by conducting workshops, symposia, and student centered recruitment programs.

Candidates for Division Secretary

Michael H. Temkin

Current Position: Assistant Professor of Biology, St. Lawrence University, Canton, NY

Education: B.S., Biology, American University, 1981; M.S., Biology, American University, 1983; Ph.D., Biology, University of Southern California, 1991.

Professional Positions: Postdoctoral scholar in Molecular Biology, Jules Stein Eye Institute, University of California at Los Angeles, 1990–1993; Visiting Assisting Professor, Biology, St. Lawrence University, 1993–1995; Principal Scientist, Zebra Mussel Larvae Surveys at Robert Moses Power Dam, Northern Ecological Associates, Inc., Canton, NY, 1993–1994; Research Associate, Museum of Comparative Zoology, Harvard University, 1995–1996; Postdoctoral Fellow, Smithsonian Marine Station at Link Port, Ft. Pierce, 1996–1997; Visiting Assistant Professor, Biology, St. Lawrence University, 1997–1998; Assistant Professor, Biology, St. Lawrence University, 1998–present.

SICB Activities: Joined SICB/ASZ in 1988; Best Student Paper Award, Division of Invertebrate Zoology,

1989; Co-organizer of Russel L. Zimmer Retirement Symposium, 2002 SICB Meeting in Anaheim

Other Memberships: American Microscopical Society, International Bryozoology Association, Association of Laboratory Education

Research Interests: Development, ecology, and evolution of marine and freshwater invertebrates, fertilization biology and ecology of bryozoans, population genetics and molecular evolution of freshwater mussels.

Goals Statement: Since first joining SICB, I have recognized the importance of the society as a forum for both the presentation and discussion of research within and between disciplines and professional development. More recently, as someone who teaches evolution at a small liberal arts and sciences university, I have valued the role SICB is playing in maintaining evolution as an essential component of science education. As secretary, I would like to see DEE continue to maintain and strengthen the qualities that have been important to me as a SICB member by working to support the participation of graduate students, post-docs, and researchers from small universities and colleges, sponsor more symposia across disciplinary areas to examine topics in novel ways, and promote the teaching of ecology and evolution across the curricula of K-12, undergraduate, and graduate programs. By achieving these goals, I believe DEE can continue to broaden its membership and keep the division strong.

Suzanne Worcester

Current Position: Assistant Professor, Earth Systems Science and Policy Institute, California State University Monterey Bay

Education: B.S., Biology, University of Utah, 1987; Ph.D., Integrative Biology, University of California Berkeley, 1994.

Professional Positions: Asst. Professor, Earth Systems Science and Policy Institute, Cal. State Univ. Monterey Bay, 1996 to present; Post-doctoral research, Univ. of California Santa Cruz, 1994 to 1996.

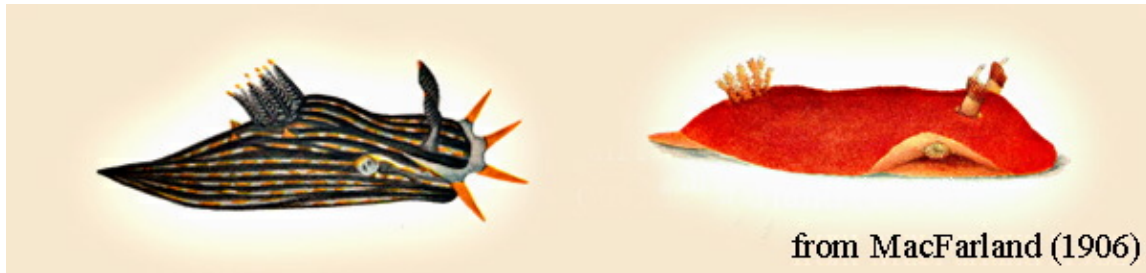
SICB Activities: Member since ~1988 (no offices held)

Other Memberships: Ecological Society of America, Western Society of Naturalists, Sigma Xi, American Society for Limnologists and Oceanographers

Research Interests: Ecological biomechanics of coastal organisms; biology and ecology of vernal pool crustaceans; and research in effective methods of teaching biology to diverse students.

Goals Statement: I feel that training the next generation of biologists is a very important job where SICB plays an important part. The Best Student Paper competition is one such educational role and as DEE Secretary I will be involved in organizing this event. My goal will be to help all students who participate to learn more about how to give professional talks in biology. By reaching a hand out to these new biologists I hope to increase the ranks of the Society's membership as well.

Division of Invertebrate Zoology (DIZ): 2001 Fall Newsletter



In this newsletter:

- [Message from the Chair](#)
 - [Message from the Secretary](#)
 - [Tribute to the Science and Life of Larry McEdward](#)
 - [Message from the Graduate Student–Postdoctoral Affairs Committee Representative](#)
 - [Libbie H. Hyman Memorial Scholarship](#)
 - [Message from the Student Awards Committee Chair](#)
 - [Elections: Program Officer Candidate CVs and Statement of Goals](#)
-

Message from the Chair

Rachel Ann Merz

There is no doubt about it, Fall is really here. The crickets are chirping slower, the leaf detritus is building up and the termites are taking wing on their nuptial flights. It's time to think ahead to the depths of winter and a wonderful annual meeting in sunny Anaheim, California! As you will read in the Secretary's report, DIZ is sponsoring a variety of interesting symposia and many members have submitted abstracts for paper and poster presentations.

DIZ has three elected officers – the Chair, Secretary/Treasurer and Program Officer. Ideally each serves for three years, with each office's elections offset so that in any single year only one new officer is rotating into place. This pattern had come out of sequence, so that two years ago the membership elected both a president and program officer in the same year. To get the election sequence back in register, the plan was for the chair to serve for only two years, with election of a new chair scheduled for this Fall. With the tragedy of Larry McEdward's death this summer the division was left without its program officer. After consultation with the DIZ executive committee, SICB president Marvalee Wake, and SICB program officer John Pearse, I volunteered to serve a third year as chair of DIZ and to hold the election for program officer this year. Damhnait McHugh, Bill Kier and Jan Pechenik graciously served as a nominating committee and successfully convinced two wonderful candidates (Penny Barnes and Sid Bosch) to run for the office. I thank the committee for their diligent service and the candidates for the willingness to serve. Penny and Sid's campaign statements are later in this newsletter and election materials will follow by regular mail. Please vote.

Stepping in to help with the program officer's duties this Fall has given me a new view of the fantastic and enormous job done by John Pearse, the society's program officer. He and the division program officers

have crafted a wonderful series of paper and poster sessions and balanced an abundance of symposia. If (when) you find overlaps or conflicts in planning your time in Anaheim, please recognize that it's a pleasure to be in a lively society that has a multitude of interesting things happening.

The judging of student papers and posters this year will be organized by Sara Lindsay (Clay Cook has gone on to the presidency of the AMS). Sara and Shea Tuberty (the Graduate Student/Postdoctoral affairs committee representative) will be organizing a mailing to DIZ students to invite them to the Division meeting and to offer advice about the structure and presentation of talks and posters. Sara will be gathering faculty together to serve on the judging panel – if you would like to participate, please contact her (email: slindsay@maine.edu, phone 207-581-2739).

The Chairmanship of the Libbie H. Hyman Memorial Scholarship Committee has also changed. Mike LaBarbera, the former chair, is going to be teaching at Friday Harbor this summer and to avoid the reality or appearance of a conflict of interest asked to be removed from the committee. Thanks to Mike for his hard work and devotion to the program and students! I have asked Amy Johnson, who served on the committee last year, to take on the chairmanship and I am delighted that she has agreed to do it for the next two years. One change that Amy wanted was a way for students to submit their applications over the web. Amy and Ruediger Birenheide, (SICB's webmaster) are in the process of setting this system up. Thanks to both of them for helping students have even better access to this terrific opportunity. If you know of a student who is planning to do work or take a course at a fieldstation for the first time you should direct them to Amy Johnson and the Libbie H. Hyman Memorial Scholarship (details to be found under the [DIZ pages](#) at the SICB website – or contact Amy Johnson, Biology Department, Bowdoin College, Brunswick ME 04011). As always, if you have questions or suggestions please let me know. As always, if you have questions or suggestions please let me know.

Message from the Secretary

Will Jaeckle

I hope that each of you had a successful summer studying your favorite invertebrate animal. For each of us, however, the summer's successes were tempered by news of the sudden death of our Program Officer Larry McEdward. Larry's contributions to our science, our division, and our society were many, but perhaps our greatest loss is the removal of Larry's infectious enthusiasm about science and life. Our division will be honoring Larry and his life at this year's society meeting in Anaheim with a poster that will stand throughout the meeting. A personal thanks is extended to Richard Strathmann for contributing a "[Tribute to the Science and Life of Larry McEdward](#)" that is contained within this newsletter.

DIZ will be sponsoring or co-sponsoring three symposia at the Anaheim meeting. These are:

- "New perspectives on the origin of metazoan complexity", co-organized by Ruth Ann Dewel and Julian Smith (co-sponsored with AMS and DEDB),
- "Integrative approaches to biogeography: Patterns and processes on the land and in the sea", co-organized by Rachel Collin and Marta deMaintenon (co-sponsored with DEE and DEDB), and
- "Retirement mini-symposium in honor of Russel L. Zimmer", co-organized by Scott Santagata and Mike Temkin (sponsored by DIZ).

Despite the hectic nature of our annual meeting, please attend and support these DIZ sponsored symposia.

Unfortunately DIZ is not presently involved in the sponsorship of any symposia for the Toronto meeting and the deadline for application has elapsed. If you have ideas for a symposium for future meeting,

please direct them to the newly elected Program Officer. As Rachel mentioned in her message, Sid Bosch and Penny Barnes have agreed to run for the vacant office of DIZ Program Officer. Their respective CVs and Goal Statements can be found in this edition of the Newsletter. You will also receive this information and a ballot from the SICB main office later this year. Please participate in this process by casting your vote.

Our sincere thanks are extended to Clay Cook for his yeoman service coordinating the Student Award Committee and we wish him well during his tenure as the new President of AMS. Clay has passed the reins of this valuable committee to Sara Lindsay (see Message from the Student Award Committee). I encourage everyone to assist Sara in the all-important process of evaluating the research efforts and presentations of the younger members of our Division.

Shea Tuberty (see Message from the Graduate Student and Postdoctoral Affairs Committee) reported that the Anaheim meeting schedule contains a number of important events that discuss career choices and funding opportunities for younger members of our society. Please take advantage of these valuable seminars and discussion groups. The insight and wisdom of those who have passed successfully through these early stages of a career in science can help your own professional development strategies.

I urge all members to attend our annual business meeting on Thursday January 3rd (5:15–6:15). Here you have an opportunity to interact with those who share a common love and respect for invertebrate animals and participate in the governance of our division. We will also be promoting less formal interactions among division members through the "DIZ-AMS social" that will be held on Friday (Jan. 4th) from 6:30–7:30. Both events are excellent opportunities to meet and talk to the members of your division and the American Microscopical Society.

For new and future members of the Society, take a moment review the criteria for qualification and application process for the Libbie H. Hyman Memorial Scholarship (see [Libbie H. Hyman Memorial Scholarship](#)). This endowed award provides financial assistance for young graduate students and advanced undergraduate students to help defray the costs of their first professional experience at a research station. Any financial contribution that members of the division can make to support this fund and maintain the vigor of this program would be appreciated and should be direct to Amy Johnson.

Finally, thanks should be given to Rachel Merz for her stewardship of our division during a tumultuous summer and fall. She has worked diligently with the society's Program Officer (John Pearse) and the SICB leadership to ensure DIZ's representation in the 2002 meeting. Her selfless decision to remain Chair of DIZ for a year beyond the traditional tenure will reestablish the election schedule. Thanks Rachel!

I look forward to seeing you in Anaheim and a very successful meeting.

Tribute to the Science and Life of Larry McEdward

By Richard R. Strathmann

Larry McEdward's sudden and unexpected death on July 2, 2001 was a hard blow for family and friends and also a great loss to science.

Larry's success in research and teaching came from his grasp of general issues, his ability to reduce general questions to specific questions, and his ability to make the specific questions answerable by developing new methods. My first knowledge of Larry was that there was a graduate student in Florida known as the larval marvel. He lived up to this early reputation as he continued his graduate work at the University of Washington. He pursued his studies of evolution, form, and function of marine larvae with characteristic energy and enthusiasm throughout his career. He favored echinoderms in his studies, but (peculiar as these animals are) the implications of his studies are much broader.

In his research on evolution of life histories, he focused on key problems. One of these was the relation between parental investment per offspring and offspring performance and fitness. Another was evolutionary transitions between modes of development: feeding and non-feeding larval development and non-larval alternatives. Larry explored these relationships with new models, using his skill and experience in programming, and then tested the new hypotheses with comparative and experimental studies. With his students as collaborators he examined consequences of the continuum in facultative larval feeding among closely related species. In yet another line of research, they analyzed a spectacular change in development of body axes associated with evolution of brooding. He also developed evidence for a reversion to pelagic development, despite loss of larval features. In the year before his death, Larry and his students were developing models for a more unified theory of benthopelagic life-histories.

When usual methods proved inadequate, Larry invented new ones. He introduced new morphometric methods for measuring complex 3-dimensional ciliary bands to assess feeding capacity of disparate larval forms. He introduced manipulation of parental investment to test evolutionary hypotheses and new methods for measuring organic content per egg to analyze variation in parental investment. Other researchers continue to apply these methods to diverse organisms.

Larry's intelligence, skill at solving problems, willingness to help people, and sense of humor made him an excellent colleague. Many of you knew Larry through his professional associations. Larry was an active member of SICB/ASZ and the current Program Officer in the Division of Invertebrate Zoology. Larry completed his Masters Degree at the University of South Florida, Ph.D. Degree at the University of Washington, and a postdoctoral fellowship at the University of Alberta, Canada before joining the Zoology Department at the University of Florida. He was also a visiting scientist and instructor at the Friday Harbor Laboratories and at the Bamfield Marine Station. Larry was one of the originators of the "Evo-Devo" course at the Friday Harbor Laboratories. He edited numerous reviews of larval biology and echinoderm biology, including *Marine Invertebrate Larvae* (the leading one-stop reference book for the field), the *Larval Development* issue of *Seminars in Cell & Developmental Biology*, and the recent *Echinodermata* issue of *Canadian Journal of Zoology*. This incomplete list does not do justice to the number and diversity of his professional activities and institutional associations.

Larry's life was much too short, but he made a very good life of it. He devoted himself to family, friends, science, mountain biking, climbing, kayaking, and chocolate. To an onlooker, his priorities in these pursuits were not always obvious. I know that chocolate ranked above climbing, because he would not give it up to condition himself for still more demanding climbs.

As a teacher and researcher, Larry leaves a model for his students to follow. There is much research and teaching that Larry would have done that will now never be done, but even so, he leaves discoveries and insights that will stimulate young biologists around the world. In addition to his scientific legacy, he leaves many good memories. Larry's humor joined insight with generosity. Being remembered with a smile is a great legacy.

Publications of Larry R. McEdward:

1. McEdward, L.R. (accepted). Calculation and interpretation of the level of egg provisioning in marine invertebrate life cycles. *Evolution*.
2. McEdward, L.R. (accepted). Simulation models of reproductive strategies in marine benthic invertebrates: Fitness differences under fluctuating environmental conditions. *Marine Ecology Progress Series*.
3. McEdward, L.R., W.B. Jaekle, and M. Komatsu. (in press). Phylum Echinodermata: Asteroidea. Invited chapter in *An Atlas of Invertebrate Larvae*, C.M. Young, M.E. Rice, and M. Sewell (eds.), Academic Press.
4. McEdward, L.R. and B.G. Miner. 2001. Echinoid larval ecology, pp: 59–78. *The Biology and Ecology of Edible Sea Urchins*, J.M. Lawrence (ed.), Elsevier, Amsterdam. (Invited review).
5. McEdward, L.R. and B.G. Miner. 2001. Larval and life cycle patterns in echinoderms. *Canadian Journal of Zoology* 79:1125–1170. (Invited review).
6. McEdward, L.R. and P.Y. Qian. 2001. Effects of the duration and timing of starvation during larval life on the metamorphosis and juvenile size of the polychaete *Hydroides elegans*. *Journal of Experimental Marine Biology and Ecology* 261:185–197.
7. McEdward, L.R. and K.H. Morgan. 2001. Interspecific relationship between egg size and the level of parental investment per offspring in echinoderms. *Biological Bulletin* 200:33–50.
8. McEdward, L.R. 2000. Introduction; larval evolution. *Seminars in Cell and Developmental Biology* 11:383–384. (Invited editorial).
9. McEdward, L.R. 2000. Adaptive evolution of larvae and life cycles. *Seminars in Cell and Developmental Biology* 11:403–409. (Invited review).
10. McEdward, L.R. 2000. The origin and evolution of marine invertebrate larvae. *Quarterly Review of Biology* 75:191–192. Book Review.
11. McEdward, L.R. and J.C. Herrera. 1999. Body form and skeletal morphometrics during larval development of the sea urchin *Lytechinus variegatus*. *Journal of Experimental Marine Biology and Ecology* 232:151–176.
12. McEdward, L.R.. 1997. Reproductive strategies of marine benthic invertebrates revisited: facultative feeding by planktotrophic larvae. *Amer. Nat.* 150:48–72.
13. McEdward, L.R. and D.A. Janies. 1997. Relationships among development, ecology, and morphology in the evolution of echinoderm larvae and life cycles. *Biological Journal of the Linnean Society* 60:381–400.
14. McEdward, L.R. 1996. Experimental manipulation of parental investment in echinoid echinoderms. *American Zoologist*. 36:169–179.
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16. McEdward, L.R. & M.G. Hadfield. 1996. Flexibility in life cycles. *Oceanologica Acta* 19:468.

- (invited conference proceedings paper).
17. Nichols, D., L.R. McEdward, & A.B. Smith. 1996. Evolution of life history traits. *Oceanologica Acta* 19:469–470. (invited conference proceedings paper).
 18. McEdward, L.R. (ed.) 1995. *Ecology of Marine Invertebrate Larvae*. CRC Press, Boca Raton.
 19. McEdward, L.R. 1995. Evolution of pelagic direct development in the starfish *Pteraster tessellatus* (Asteroidea: Velatida). *Biological Journal of the Linnean Society*. 154:299–327.
 20. Janies, D.A. and L.R. McEdward. 1994. A hypothesis for the evolution of the concentricycloid water–vascular system, pp: 246–257, in *Reproduction and Development of Marine Invertebrates*, W.H. Wilson jr, S.A. Stricker, and G.L. Shinn eds., Johns Hopkins Press
 21. Janies, D.A. and L.R. McEdward. 1994. Heterotopy, pelagic direct development, and new body plans in velatid asteroids, pp:319–324, in *Echinoderms through Time* (proceedings of the 8th International Echinoderms Conference, Dijon, France), B. David et al., eds, Balkema Press, Rotterdam, Netherlands.
 22. McEdward, L. R. and D. A. Janies. 1993. Life cycle evolution in asteroids: What is a larva? *Biological Bulletin* 184:255–268.
 23. Janies, D. A. and L. R. McEdward. 1993. Highly derived coelomic and water–vascular morphogenesis in a starfish with pelagic direct development. *Biological Bulletin* 185:56–76.
 24. McEdward, L. R. 1992. Morphology and development of a unique type of pelagic larva in the starfish *Pteraster tessellatus*. *Biological Bulletin* 182:177–187.
 25. McEdward, L. R. & F.S. Chia. 1991. Size and energy content of eggs from echinoderms with pelagic lecithotrophic development. *Journal of Experimental Marine Biology and Ecology* 147:95–102.
 26. Paulay, G. & L.R. McEdward. 1990. A simulation model of island reef morphology: The effects of sea level fluctuations, growth, subsidence, and erosion. *Coral Reefs* 9:51–62. Received best paper award from the journal *Coral Reefs* for 1990.
 27. Qian, P.Y., L.R. McEdward, & F.S. Chia. 1990. Effects of delayed settlement on survival, growth, and reproduction in the spionid polychaete, *Polydora ligni*. *International Journal of Invertebrate Reproduction and Development* 18:147–152.
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 32. Emlet, R.B., L.R. McEdward & R.R. Strathmann. 1987. Echinoderm larval ecology viewed from the egg. in: *Echinoderm Studies*, Vol. 2, pp:55–136, edited by M. Jangoux & J.M. Lawrence. A.A. Balkema.
 33. McEdward, L.R., & S.F. Carson. 1987. Variation in organic content and its relationship with egg size in the starfish *Solaster stimpsoni*. *Marine Ecology Progress Series* 37:159–169.
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 35. McEdward, L.R. 1986. Comparative morphometrics of echinoderm larvae. I. Some relationships between egg size and initial larval form in echinoids. *Journal of Experimental Marine Biology and Ecology* 96:251–265.
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37. Strathmann, R.R. & L.R. McEdward. 1986. Cyphonautes' ciliary sieve breaks a rule of biological inference. *Biological Bulletin* 171:694–700.
 38. McEdward, L.R. 1985. An apparatus for measuring and recording the depth dimension of microscopic organisms. *Transactions of the American Microscopical Society* 104:194–200.
 39. McEdward, L.R. 1985. Effects of temperature on the body form, growth, ETS activity, and development rate of an echinopluteus. *Journal of Experimental Marine Biology and Ecology* 93:169–181.
 40. Day, R.L. & L.R. McEdward. 1984. Aspects of the physiology and ecology of pelagic larvae of marine benthic invertebrates. pp: 93–120. in: *Marine Plankton Life Cycle Strategies*, edited by K.A. Steidinger & L.M. Walker. CRC Press.
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 43. Diehl, W.J., L.R. McEdward, E. Proffitt, V. Rosenberg & J.M. Lawrence. 1979. The response of *Luidia clathrata* (Echinodermata: Asteroidea) to hypoxia. *Comparative Biochemistry and Physiology* 62A:669–67
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Message from the Graduate Student–Postdoctoral Affairs Committee

DIZ Representative: *Shea Tuberty*(stuberty@uwf.edu)

Hello fellow students of science! The Anaheim meeting is only a few months away and planning for this year's GSPAC workshop has begun in earnest. The workshop will be held on Friday, Jan. 4th from 7:30–9:30 pm. We will be facilitating a workshop with two working titles: "Modern Academia" and "Alternative Careers to Academia". The committee members hope to attract representatives from all levels of academia to discuss the positive and negative aspects of each level of an academic career. Representatives from government research agencies, private consulting firms, conservation (green) groups, lobbyists, and industry will also be invited to give students exposure to alternative career paths. The workshop will be organized, as in the past, with several rooms of 3–5 presenters and two rotations to allow you access to more than one group. We need your help and if you are interested in learning more about a particular organization or would like to nominate someone as a workshop participant please contact me and I will get them included.

In addition to the GSPAC workshop, you may also choose to attend two additional informational workshops. The first is on National Science Foundation (NSF) funding and will be held twice: from 7:30–8:30 PM on Wednesday (Jan 2nd) and again on Thursday (Jan. 3rd) from 11:45–12:45 PM. The second workshop entitled 'Grantsmanship' will be held on Friday (Jan 4th) from 12:30–1:00 PM.

The Student First –Timers Orientation will be held on Wednesday (Jan. 2nd) from 5:30–6:15 PM and is a terrific way to start your association with SICB. We will give you a jumpstart on the meeting events, let you in on how things work, and also allow you to meet others there for the first time, many of who you will see annually throughout your academic career! If you are a student short on cash (and who of us is not!) then consider applying for aid from SICB's Student Support Program. This program is very generous ([see rules on the webpage](#)) and provides free housing or registration in exchange for limited work for the society during the meeting. Please don't forget to attend the Grad student/postdoc luncheon at 11:30–12:50 PM on Thursday or the Dessert Social on Saturday from 9–11 PM.

Lastly, I'd like to personally invite the student and postdoc members of DIZ to attend the divisional business meeting on Thursday (Jan. 3rd) from 5:15–6:15 PM. I know what you are thinking, but believe me when I say you will look at DIZ in an entirely new light once you have attended a business meeting. At the meetings, you will be able to actively participate in the decisions that affect the division and the society. It also allows you to meet those of us who represent your division. The DIZ–AMS social is on Friday (Jan 4th) from 6:30–7:30 PM and is another great way to meet other members of your division.

Good luck in your studies and research and see you in Anaheim!

Libbie H. Hyman Memorial Scholarship

Amy Johnson (Bowdoin College and Chair of the Libbie H. Hyman Scholarship Committee) reminds us of the effort to expand the Hyman Memorial Scholarship Fund so that two scholarships can be awarded each year, one to an undergraduate and one to a graduate student. A field station experience can help shape a student's career. Contributions, large or small may be sent to:

SICB Business Office, Libbie H. Hyman Memorial Scholarship Fund, 1313 Dolley Madison Blvd., Suite 402, McLean, VA 22101.

Checks should be made payable to SICB and marked as a "Contribution to the Libbie H. Hyman Memorial Scholarship Fund." All contributions are tax deductible.

This scholarship, in memory of Libbie H. Hyman, one of America's foremost invertebrate zoologists, provides assistance to students to take courses OR to research on invertebrates at a marine, freshwater or terrestrial field station. The Hyman scholarship is intended to help support a first field station experience for a first- or second-year graduate student or an advanced undergraduate student.

DIZ is working with the SICB webmaster to set up an online application webpage for the Libbie H. Hyman Memorial Scholarship. It is expected to open in early January. Check the SICB awards website (sicb.org/awards.php3) for announcement and links.

Message from the Student Awards Committee Chair

Sara Lindsay

Many thanks to all the volunteers who helped judge student talks and posters at the Chicago meeting, and special thanks to Clay Cook for coordinating it all! As the new organizer, I'm looking forward to the Anaheim meeting and hope that many of you will be able to participate as judges again. Clay passed on names to me, but if you want to volunteer on your own, please feel free to email me: lindsay@maine.edu. At Chicago, a total of 19 student presentations (14 oral, 5 poster) were evaluated, each by 2 judges, and three awards were made. First place in the Best Student Paper Competition went to Stacey Combes (Dept. Zoology, Univ. Washington) for her talk titled "Spatial profiles of wing stiffness in hawkmoths and dragonflies". The second place paper was presented by Erica Goldman (Dept. Zoology, Univ. Washington), titled "Material properties shape dynamical responses of hydrozoan jellyfish". Erika Iyengar (Dept. Ecology

Systematics, Cornell Univ.) won the first place prize for student poster presentations with her poster titled "To steal or not to steal? That is the question. Suspension feeding versus kleptoparasitism in a marine snail". There was no winner of the Adrian M. Wenner Strong Inference Award. Each winner received a lovely certificate created by Rachel Merz, and one year of student membership in SICB and AMS. The first place winners also received a monetary award and credit toward purchases from the Oxford University Press or John Wiley Press. We thank the folks at OUP and Wiley for their generous donations and support in recognizing the outstanding contributions by our student members.

Elections: Program Officer Candidate CVs and Statement of Goals

Penny Barnes

Current position: Staff Scientist, Smithsonian Tropical Research Institute (STRI), P.O. Box 2072, Balboa, Republic of Panama; Adjunct Faculty, Bermuda Biological Station for Research, Inc., 17 Biological Lane, St. George's, Bermuda GE 01

Education: B.Sc. (Marine Biology). 1979. University of Victoria, Victoria, British Columbia, Canada; M.Sc. (Marine Ecology). 1987. University of Victoria, Victoria, British Columbia, Canada; Ph.D. (Marine Ecology). 1994. University of Plymouth, Plymouth, United Kingdom.

Professional experience: Office of Naval Research Postdoctoral Fellowship, Harvard University; Department of Organismic and Evolutionary Biology and STRI; STRI Research Affiliate; Leverhulme Research Fellow (Marine Biological Association of the U.K); Visiting Associate Professor, Princeton University; STRI Staff Scientist (1998 to present)

SICB participation: Member and presenter at Annual Meetings since M.Sc. research in the 1980's; Coordinator of Best Student Paper Competition, DIZ (1999); Student presentation judge DIZ (1999)

Other memberships: American Malacological Society, American Microscopical Society, National Shellfisheries Association, Gulf and Caribbean Fisheries Institute, Association of Marine Laboratories of the Caribbean (Secretary–Treasurer 1997–2001), Bermuda Biological Station for Research, Inc. (Corporation Member)

Research interests: Ecology, physiology, systematics and evolution of bacteria–invertebrate symbioses, particularly bacteria–marine bivalve, sulfur–oxidizing symbioses; ecology, physiology, functional morphology, population genetics and systematics of marine mollusks.

Statement of goals: The responsibilities of the divisional Program Officer (DPO) include assisting in the organization of the scientific program for the annual meetings and ensuring that the SICB, and DIZ, showcases its science. The DPO acts as an advocate for DIZ at the annual meetings and interacts with other DPOs in the planning of interdivisional programs and the Annual Meeting in general. In the capacity of Program Officer for the Division of Invertebrate Zoology, I hope to serve the membership not only by responding to incoming proposals as effectively as possible, but also by actively encouraging new scientific themes for the annual meeting. I look forward to encouraging interdivisional programs as a means of promoting integrative and comparative biology. I will undertake to carry out the administrative aspects of the position (newsletter contributions, program scheduling) in a timely and effective manner. I anticipate that an increased awareness of the breadth of research in invertebrate zoology will be one of the many benefits of holding the position of Program Officer. In addition, assisting with organization of symposia and workshops

for the annual meeting promises to be both stimulating and rewarding. Through this office, I hope to be of service to the Division of Invertebrate Zoology and the SICB.

Isidro Bosch

Current position: Associate Professor, Department of Biology, State University of New York; College at Geneseo (9 years)

Education: B.A. (Aquatic Biology). 1981. University of California at Santa Barbara; Ph.D. (Biology). 1988. University of California at Santa Cruz

Professional experience: Postdoctoral Fellowship, Harbor Branch Oceanographic Institution; Member NSF Polar Research Diving Board (6 years); Organizing Committee, North American Echinoderm Conference (1992, 2001)

SICB participation: Member and presenter at numerous annual meetings starting in 1985; Libbie Hyman Scholarship Committee (3 years); Co-author in two symposium papers

Other memberships, organizations: Great Lakes Research Consortium

Research interests: UV photobiology of invertebrates, ecology of invertebrate embryos and larvae, life history ecology and evolution, limnology.

Statement of goals: As Program Officer for DIZ my primary responsibilities would be to solicit, select and promote appropriate symposia for the meetings, to assist symposium organizers in developing and executing their plans, to assist the Society Program Officer with the logistics of the meetings, and to work alongside fellow officers in promoting the continued success of the DIZ. Having served twice as a member of the organizing committee for the North American Echinoderm Conference, my experience for the position is somewhat limited. However I am committed to serving SICB and DIZ with enthusiasm and motivation. My interests and experiences in research have always been of an integrative nature and I look forward to promoting events and themes that conform to this spirit of interdisciplinary exchange and collaboration.

Division of Neurobiology (DNB): 2001 Fall Newsletter

In this newsletter:

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

Don Edwards

Greetings from Atlanta. Let me begin by urging you to read the message from the Program Officer, Rich Satterlie, that describes the very exciting contributions of the Neurobiology Division to the program of the meeting in Anaheim. Rich has worked tirelessly to organize this program and deserves our thanks and appreciation. The rest of us have the job of spreading the word about the meeting, and urging our member and non-member colleagues to attend and contribute.

Elections will be coming up soon for Program Officer and Secretary. Those of you who are interested in running should have a look at www.sicb.org/sicbdocuments/nominatingcomm/Div_Program_Officer_SICB.rtf, which describes the position of Division Program Officer. We'll be in touch about procedures.

At the recent International Congress of Neuroethology in Bonn, I had a brief chat with Malcolm Burrows, the President of the International Society for Neuroethology, about the possibility of developing closer ties between our two societies. He was quite enthusiastic. We discussed several ideas, including the joint sponsorship of symposia at SICB or at a satellite meeting at the time of the Society for Neuroscience meeting, perhaps in league with the J.B. Johnston Club. I would VERY MUCH appreciate your ideas, suggestions and opinions on how to develop these possibilities. We should keep in mind that whatever strategy we develop will probably have two phases: a developmental phase in which we attract interest and attention through joint sponsorship at larger venues, and a sustained phase in which we incorporate the new interest and members within the SICB organization and meeting.

Finally, some personal thoughts on a response to September 11. In the face of the heroism, sacrifice, commitment, and effort displayed by so many in the aftermath of the attacks, I have become keenly aware of my privileged state as an academic and biologist, and have asked what my role should be. My answer is to teach and to question.

It is apparent that the goal of the terrorists is to destroy western civilization and to protect and extend a severely fundamentalist Islamic social organization. Although the attacks were carried out by only a few people, and their direct supporters may only number in the thousands, their antipathy to the west and its values is shared to some degree by millions. The nature of the intellectual and ideological conflict between the values of the Western Enlightenment and those of Islamic society was identified by a recent editorial in *Nature* (413: 235, 2001), which urges increased dialog between scientists and scholars in the West and those in Islamic countries.

As teachers, we face both domestic and international students who are ignorant of the philosophical values

that underpin the day-to-day practice of science. Freedom of inquiry, skepticism about authority, rejection of supernatural explanations, acceptance of personal responsibility, and recognition of intellectual property are several of the social conventions that derive from the Western Enlightenment and guide our conduct as scientists. We can use this tragedy as the opportunity to ask our students how science would fare if any or all of these conventions were rejected or replaced. This is the same conversation that we have been having with our Christian fundamentalist fellow citizens and students, and that led to our Society's published statement on the teaching of evolution. Now, however, the issues and the stakes have become global.

Donald H. Edwards
Chair, Division of Neurobiology

Message from the Secretary

Robin L. Cooper

This year we are to hold elections for the Secretary and the Program Officer positions within DNB. The elections are to be done via paper ballots, and the ballots are to be sent out, returned to, and counted by Burk Associates.

Below are the descriptions of the selected candidates that will run for Secretary and the Program Officer. We encourage you to return the ballots to the address that will be provided with your noted selection as soon as you receive them. Even though there is only one person listed for each position we would like to have ballots returned.

Both of these positions are for a 2 year term. In the DNB division, the Chair position will be open and voted on in the year 2002. Begin thinking if you would like to participate in the excitement of being involved in the Society's activities!

Candidate for Secretary:

Dr. Hank Trapido-Rosenthal earned his Ph.D. in biology at the University of California, Santa Barbara, where he studied the chemically-induced settlement and metamorphosis of abalone larvae. He did postdoctoral work at the University of Florida's Whitney Marine laboratory, studying the biochemistry and molecular biology of lobster chemoreception. He has been an Associate Research Scientist at the Bermuda Biological Station for Research (BBSR) since 1993, and was appointed an Adjunct Associate Professor at Duke University in 2001. Dr. Trapido-Rosenthal heads BBSR's marine molecular biology program, in which he and the members of his laboratory use the techniques of molecular biology and biochemistry to pursue research into chemoreception in the marine environment, marine ecotoxicology, coral reef symbioses, biodiversity of marine ecosystems, and bioprospecting in the marine environment for compounds of industrial and pharmaceutical value. Support for his research at BBSR has come from U.S. federal funding agencies (NSF and NIH) as well as from the pharmaceutical (Boehringer-Mannheim) and biotechnology (Diversa) industries. He has taught BBSR courses in molecular marine biology and marine biodiversity for the Beaufort-to-Bermuda program, and summer courses on the topics of molecular ecology of marine symbioses and chemosensory neurobiology. At no time in his career has he ever held a secretarial appointment.

Candidate for Program Officer:

Richard Satterlie received a B.S. in Biology from Sonoma State University (California: 1973) and a Ph.D. in

Biology from the University of California, Santa Barbara (1978). He was a post–doctoral researcher from 1978 – 1980 at the University of Alberta (Canada). He was hired as an assistant professor at Arizona State University in 1980, promoted to associate professor in 1985 and to professor in 1991. His research interests center on the neural control of locomotion, and he uses both molluscan and cnidarian (jellyfish) preparations. His research has been supported by NSF, NIH and private foundations. He has held the position of Program Officer for SICB–DNB throughout the last term.

Message from the Program Officer

Rich Satterlie

The upcoming meeting in Anaheim is shaping up to be a wonderful one for Neurobiologists. We will sponsor our first annual 'Recent Developments in Neurobiology' symposium. The line–up is a wonderful one, and will include a new twist to the symposium format. Each topic will have a pair of 'piggy–back' speakers, including a primary speaker who will give a more general talk on the topic, followed by a secondary speaker, in most cases, a junior affiliate of the primary speaker, who will give a more specific talk of recent work. The current list of speakers and topics includes:

- Ted Bullock (An Agenda for Research on Evolution in Brain Complexity)
- Glenn Northcutt (What Do We Want to Know About Vertebrate Brain Evolution?)
- Frank Krasne (Modulation of Crayfish Escape Reflexes. I. Neural Circuitry of Escape and Modulatory Systems)
- Don Edwards (Modulation of Crayfish Escape Reflexes. II. Neuroethology of Serotonergic Modulation During Dominance Hierarchy Formation)
- Bill Kristan (How the Leech Nervous System Chooses Among Behaviors)
- Teresa Esch (How the Leech Decides to Swim or Crawl)
- Tom Carew (Mechanistic Analysis of Multiple Memory Phases in Aplysia)
- Carolyn Sherff (Mechanistic Analysis of Multiple Memory Phases in Aplysia. II. Long–term Memory)
- Doug Syme (How to Build Fast Muscles. I.)
- Bob Josephson (How to Build Fast Muscles. II. Asynchronous Muscle – A Design Breakthrough)

In addition, the Division is co–sponsoring a symposium on 'Neural Mechanisms of Orientation and Navigation' organized by Jim Murray. His speakers include Robert Beason, Verner Bingman, Andrew Dittman, Fred Dyer, Ken Lohmann, Sheri Mizumori, Jim Murray, Mark Nelson, Nick Strausfeld, Charles Walcott, Mark Willis, and Richard Zimmer.

It is now time to think about the next meeting, in Toronto. The funding for the 'Recent Developments in Neurobiology' symposium extends to the Toronto meeting, and to the one following if these first two are successful. In preparation for our business meeting in Anaheim, please be thinking of potential speakers from the Toronto area. Within the umbrella of neurobiology, the topics we choose for the symposium are flexible.

One final meeting note: Following the 'Recent Developments' symposium, we will have our annual business meeting, which will be followed by an informal Division reception. Please plan to attend both – to participate in the governance of the Division, and to thank the speakers of the two symposia for joining us at the meeting. See you in Anaheim, and spread the word about our wonderful symposia amongst your colleagues.

Division of Systematic and Evolutionary Biology (DSEB): 2001 Fall Newsletter

In this newsletter:

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

Message from the Chair

Miriam Zelditch

It is impossible to enthuse about our upcoming meetings in the face of the inconceivable tragedy of this past month. However, we have a remarkable array of symposia of particular interest to the Division of Systematics and Evolutionary Biology so I hope that SICB members will attend the meetings. There are several symposia likely to be of general interest to our division, "The Cambrian Explosion—Putting the Pieces Together" and "New Perspectives on Metazoan Complexity." In addition, there is a symposium "Integrative approaches to biogeography: Patterns and processes on land and in the sea" organized by: Rachel Collin and Marta deMaintenon for DEE, DIZ and DSEB. There are also a wide variety of symposia that examine particular systems in an evolutionary context, such as the "Symposium on Comparative Immunology." We will also hold our annual workshop, Phylogenetics for Dummies. Unfortunately, that workshop, which is designed to explain the methods used in biogeographic analyses, is scheduled before the symposium; the workshop is planned for the first evening of the meetings, from 7–9pm (but check the SICB web–page in case this changes). One other session to put on your schedule is the Town Meeting on teaching evolution. The focus of one presentation is "Intelligent Design Theory" (discussed by Massimo Pigliucci) and the other concerns the role of introductory biology classes in alienating students from evolution (discussed by Ron Edwards).

I also want to encourage you to attend our divisional meeting, Friday, Jan. 4, 5:15 – 6:15. This is called a "business meeting" but it is really a general meeting for all members of the division. We discuss issues relevant to our division within SICB and have the opportunity to meet members with similar interests. I particularly urge graduate students to attend, especially if you feel that you don't know many people at the meetings. This is a chance to meet people who are likely to be interested in you and your work.

Finally, I encourage you to vote in our upcoming divisional election and to volunteer to run for an office. Like any society of volunteers, ours depends on peoples' willingness to participate. Ballots should be sent soon.

Message from the Secretary

Valerie Cappola

I want to remind everyone to vote in the upcoming divisional election. Candidate information was included in our last newsletter. Please refer back to the [Spring 2001 newsletter](#) to learn about the candidates running for office. Watch for the ballots in your postal mailboxes. For those attending the 2002 meeting in Anaheim please make it a priority to attend the divisional meeting. The division wants and needs your input.

Message from the Program Officer

Anne Maglia

At the 2002 meetings, DSEB will sponsor several contributed paper sessions and will co-sponsor two symposia: "Integrative approaches to biogeography: Patterns and processes on land and in the sea," organized by Rachel Collin and Marta deMaintenon, and the Metazoan Complexity Symposium organized by Ruth Dewel. These promise to be exciting, informative, and well attended.

It is not too early to be thinking about workshops and symposium ideas for the 2003 Toronto meetings and beyond! The division can promote symposia, workshops, and paper sessions centered around a common theme. We can also start making plans for another in the "Phylogenetics for Dummies" series—our annual hands-on workshop designed to help non-systematists decipher the complexities of selected systematic methods and theories. If you'd like to put on a workshop, or have an idea about a topic you'd like to see covered, I'd love to hear it!

Division of Vertebrate Morphology (DVM): 2001 Spring Newsletter

In this newsletter:

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

Kathleen Smith

In my first message as Chair of the Division of Vertebrate Morphology, I would like to begin by thanking a number of people. First, I would like to thank Andy Biewener, for his service as chair, as well as Audrone Biknevičius and Dave Carrier for serving over the past two years as Division secretary and program officer, respectively. In addition, I am grateful to Dominique Homberger, Rick Blob and Jacki Webb for serving as this year's nominating committee. I would also like to thank Diane Kelly for her efforts on behalf of the Dwight Davis Award. Finally, in behalf of the entire division, I would like to extend my sincere appreciation to Matthias Starck and the other organizers of the ICVM meeting in Jena, Germany. Many of our members participated in this event, and I'm sure all would agree it was an outstanding meeting.

The Division is sponsoring (or co-sponsoring) three symposia at the 2002 meeting in Anaheim, California, all of which will be of significant interest to our members: the Biomechanics of Adhesion, Tendon: Bridging the Gap, and the Dynamics and Energetics of Animal Swimming and Flying. As you recall we have debated our priority for scheduling symposia versus contributed papers, and Dave Carrier, John Pearse, and the symposia organizers have worked very hard to limit the overlap between symposia sessions and contributed paper sessions. The society is still considering proposals for the Toronto meeting. I urge you to contact our current program officer, Dave Carrier if you are interested.

Finally, a word about elections. The Division is electing a new Chair-elect (who will take office in January, 2003), secretary and program officer. Frank Fish and Steve Reilly, both long time, enthusiastic supporters of the division have agreed to run. Audrone has agreed to serve a second term as secretary, as is allowed in the bylaws, and will be running unopposed. The nominating committee tried very hard to come up with two candidates for program officer and was unable to find a second member of the division willing to serve. We have one excellent candidate, Bret Tobalske. I would hope all of you will consider serving as an officer of the division the next time nominations are necessary. If you are interested in serving in any office, please email me at kksmith@duke.edu, and I'll pass your name along. In addition, we have in general had a very low participation in our elections. Please vote!

In closing, I would like to emphasize how I look forward to seeing you all in Anaheim. For all of us, life has been disrupted by the terrorist events of September. To those who suffered personal loss, I offer my sincere condolences. I hope however, that the membership of the division will show their strong support and make the 2002 meeting a highly successful one.

Message from the Program Officer

Dave Carrier

This meeting in Anaheim promises to be both exciting and busy for DVM members. We are sponsoring or co-sponsoring a group of three timely symposia:

1. "Tendon–Bridging the Gap" organized by Adam Summers and Tom Koob.
2. "Biomechanics of Adhesion" organized by Kellar Autumn and Bob Full.
3. "Animal Swimming and Flying" organized Malcolm Gordon, Ian Bartol, and Jay Hove.

In addition to these three, a number of other symposia will be of interest to many members of DVM. There will be two Society wide symposia: "The Promise of Integrative Biology" and "Comparative Immunology". Other symposia that will attract the attention of DVM members include: "The Cambrian Explosion: Putting the Pieces Together"; "New Perspectives on the Origin of Metazoan Complexity"; "Physiological Ecology of Rocky Intertidal Organisms"; and "Ecological Developmental Biology".

During the past year, we have discussed and debated the question of whether or not DVM has sponsored too many symposia in recent years. This discussion appears to have had an effect because currently I know of only one symposium proposal for the Toronto meeting (the evolution of fishes).

Recently we have also discussed ways symposia could be scheduled to minimize conflicts with contributed paper sessions. Following a suggestion made by Jacqueline Webb, John Pearse and I attempted to organize this year's DVM schedule such that the symposia would run in the mornings and the contributed paper sessions would occur in the afternoons. Under this plan, symposia would run for two or three consecutive mornings. This would have placed the competition for warm bodies among the symposia, rather than between the symposia and contributed paper sessions. For each symposium there could have been afternoon contributed paper sessions that were directly related to the topic of the symposium. This format might also have helped induce some symposia speakers, who are not members of SICB, to spend more than a single day attending the meeting. Initially, two of the three sets of symposium organizers agreed to go with the morning schedule. Unfortunately, the travel needs of several of the symposium speakers forced us to revert to a more traditional schedule in which the symposia will run during both morning and afternoon sessions. I remain an advocate of a schedule that temporally separates symposia from contributed paper sessions and I hope we can make it happen at the Toronto meeting.

One last bit of news – Robert Full will give the opening (plenary) talk at the Anaheim meeting.

Message from the Secretary

Audrone Biknevičius

As noted above by Kathleen in the Chair's report, the Division of Vertebrate Morphology is holding elections this fall for the DVM chair and DVM program officer. Papers ballots will be mailed to members shortly from the SICB office. Below are the biographies for the two candidates of Chair–elect (Frank Fish, Stephen Reilly) as well as the single biography for program officer (Bret Tobalske).

DVM Candidates for Election

Candidates for Division Chair

Frank Fish

Current Position: Professor of Biology, West Chester University.

Education: B.A., Biology, SUNY at Oswego, 1975; M.S., Zoology, Michigan State University, 1977; Ph.D., Zoology, Michigan State University, 1980.

Professional Experience: Assistant Professor of Biology, West Chester University, 1980–1986; Assistant Professor, Wallops Island Marine Science Center, 1982; Associate Professor of Biology, West Chester University, 1986–1989; Professor of Biology, West Chester University, 1989–Present; Chairman, Department of Biology, West Chester University, 2000–2001.

Awards and Honors: Zoology Faculty Annual Senior Award, State University College at Oswego, New York, 1975; Anne M. Jackson Award of the American Society of Mammal, 1980; West Chester University Trustees' Achievement Award, 1995; Honorary Fellow of the Flinders University of South Australia, 1995.

SICB Activities: Local Committee for annual meeting in Philadelphia, PA, 1983; Meeting Session Chair, 1983, 1985, 1987–1989, 1996–1999; Nominating Committee for the Chair–Elect of the Division of Vertebrate Morphology, 1984, 1988, 1992; Secretary of the Division of Vertebrate Morphology, 1991–1995; Editorial Board for the American Zoologist, 1992–1997; D. Dwight Davis Student Award Committee, 1996; Co–organizer of symposium, Stability and Maneuverability, Chicago (2001).

Publications: 41 journal articles and book chapters; 3 technical reports; 5 proceedings articles.

Other Memberships: American Society of Mammalogists; Commonwealth of Pennsylvania University Biologists; International Congress of Vertebrate Morphology; Pennsylvania Academy of Science; Sigma Xi; The Society for Marine Mammalogy.

Research Interests: My research interests are concerned with the evolution of vertebrate aquatic locomotion. My approach to this research integrates the fields of functional morphology, biomechanics, ecological physiology, and hydrodynamics. I am interested specifically in adaptations that are associated with the use of energy during swimming. By examining energy use and efficiency through metabolic and hydrodynamic studies, the evolutionary transition of highly derived aquatic species, such as whales and seals, from terrestrial ancestors may be elucidated. In addition, I am interested in formation movement as a behavioral mechanism to reduce the energetic cost of locomotion. A recent interest is in the area of biomimetics and the application of geometry of morphological structure into technological designs.

Goals Statement: My primary goal is to support and strengthen the DVM. This goal can be met by a multifaceted approach. The presentation at the annual meeting of high quality science should continue to be encouraged. There is already an excellent core of researchers who present at the meeting each year, but other equally exceptional biologists, who do not attend, should be encouraged to present through inclusion in symposia or direct invitation. Invitations to the meetings also should be made to students whose early exposure to other investigators and the scientific process will help in the advancement of their projects and aid them in their professional development. Mechanisms to afford student participation should be continually identified and strengthened. DVM should continue to provide quality symposia. Co–sponsorship of symposia with other divisions will aid in integrating morphology with the collective interests of the SICB. Within the SICB, I would endeavor to support the integration of new technologies for presentations at meetings. Finally,

I would like to identify the future role of morphology and its integration with other fields such as molecular biology, engineering, and developmental genetics. Such a review could provide new outlets for professional opportunities and scholarly growth, while the recognition of the union of our discipline with such diverse fields would highlight the importance of morphology and organismic biology.

Stephen M. Reilly

Current Position: Associate Professor, Ohio University

Education: B.A. Southern Illinois University, 1977; M.A. San Francisco State University, 1980; Ph.D. Southern Illinois University, 1986.

Professional Experience: Postdoctoral Fellow, University of California, Irvine, 1986–1991; Assistant Professor, Ohio University, 1991–1997; Associate Professor, Ohio University, 1997–present.

SICB Activities: Symposium co–organizer, *Ecological Morphology*, 1990; Dwight D. Davis Prize committee, 1991; Student Poster Award Committee, 1999. Session Chair, 1991, 1992, 1995, 1999, 2000, 2001; Co–hosted Midwest Regional Meeting of DVM, Ohio University, 1999.

Other memberships: International Congress of Vertebrate Morphology, Society of Experimental Biologists, American Society of Ichthyologists and Herpetologists, Herpetologists League, Phi Beta Kappa, Sigma Xi, Society for the Study of Amphibians and Reptiles,

Research Interests: My research integrates morphological, developmental, and functional analyses to study how ontogeny, ecology, and phylogeny affect vertebrate design and function. My research has focused on the metamorphosis of feeding function and the consequences of neoteny and paedomorphosis in salamanders and current work is examining patterns of feeding function across tetrapods. Another major focus in my work is on vertebrate locomotion with a general goal to understand the locomotory change from sprawling to erect postures. This involves quantitative functional analyses of hindlimb function in a variety of vertebrates with the goal of integrating kinetic and kinematic approaches to the analysis of locomotion to understand postural evolution and how the limbs are used to propel the animal.

Goal Statement: My goal is to maintain and improve the high quality, interactive atmosphere that the division provides for members at all points in their careers. This goal is met via action in several areas. First, our strong support for graduate student participation and travel should be maintained and strengthened and I feel we should seek support for additional formal student awards. Second, I believe that we can do better in developing integrative symposia tailored specifically to the DVM audience and to cross–divisional audiences. As the leading group in SICB I feel we should take a more of a leadership role especially in developing cross–divisional symposia. We need to tap the newly developed SICB Program Innovation Fund to plan symposia in new growth areas for the society, in areas that emphasize integration between divisions, and perhaps we can plan a distinguished lecturer series within a division focussing on a specific topic or concept that merits a formal review. On the issue of symposia, we need to formally tackle the problem of scheduling symposia vs. contributed sessions – a prime issue at the last two business meetings that seems to be the only *major* complaint of DVM members. If we meet the goal of better DVM sponsored symposia then almost by definition contributed sessions, in DVM and cosponsoring divisions, cannot be concurrent. Many feel that the contributed sessions are the bread and butter of the division and even these sessions often have conflicting talks. I feel we need to work harder to resolve conflicts both between contributed sessions and symposia to minimize conflicts. I think the keyword selection process on the abstract submittal form is the primary culprit causing conflicts between contributed sessions. The keyword systems needs to be adjusted for DVM's needs or at least explained to produce less conflicting schedules at the meetings and more streamlined

programming. Finally, I would encourage regional DVM meetings and I hope that formal DVM socials like the one organized at the Field Museum last year will become an annual event at the meetings.

Candidate for Program Officer (running unopposed)

Bret Tobalske

Current Position: Assistant Professor, University of Portland.

Education: B.A. Southern Illinois University, 1988; M.A. University of Montana, 1991; Ph.D. University of Montana, 1994.

Professional Experience: Fulbright Scholar, Parc Naturel Regional du Haut-Jura, France, 1995; Postdoctoral Fellow, University of Montana, 1996; Visiting Assistant Professor, Allegheny College, 1997–1998; Postdoctoral Fellow, Harvard University, 1998–1999; Assistant Professor, University of Portland, 1999–present.

Awards and Honors: D. Dwight Davis Award, 1995.

SICB Activities: Nominations Committee, Division of Vertebrate Morphology, 1999–2000. Session Chair, 1997.

Other Memberships: Society for Experimental Biology, Sigma-Xi, American Ornithologists' Union, Cooper Ornithological Society, Wilson Ornithological Society, American Dove Association.

Research Interests: I study bird flight, particularly how flight performance and the underlying mechanisms of neuromuscular recruitment, mechanical power output, and wing motion vary with differences in body size and flight speed. My research continues to attempt to understand the functional significance, ecology, and evolution of intermittent flight and gait selection in birds.

Goals Statement: My vision for the program in DVM includes further development of thematic sessions and cross-divisional symposia. In particular, I would like to see symposia in which "problem-solving" formats might be encouraged. Edgier, less established, creative, working hypotheses would be easier to unearth and refine in such an atmosphere. I would also resolve, as much as possible, scheduling conflicts between symposia and regular DVM sessions. One way to reduce conflicts may be to follow the Society for Experimental Biology model and fold some "regular" presentations into existing symposia. I welcome alternative suggestions from the membership.