

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

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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](http://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/studentssupport.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)