

# Elections

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## **President**

### **Timothy J. Bradley**

**Current position:** Professor of Ecology and Evolutionary Biology, University of California, Irvine

**Education:** Ph.D, University of British Columbia; M.S., University of Oklahoma; B.A. Vanderbilt University

**Professional Experience:** 1990–present, Professor of Ecology and Evolutionary Biology, University of California, Irvine; 1995–98, Chair, Department of Ecology and Evolutionary Biology; 1985–89, Associate Professor of Developmental and Cell Biology, University of California, Irvine; 1986–87, Chair, Department of Developmental and Cell Biology; 1979–1985, Assistant Professor of Developmental and Cell Biology, University of California, Irvine; 1978–79, Post–doctoral Fellow, Department of Anatomy, Albert Einstein College of Medicine; 1977–78, Post–doctoral Fellow, Department of Physiology and Anatomy, University of California, Berkeley.

**SICB Activities:** Chair, Division of Comparative Physiology and Biochemistry, 1998–2000; Presenter at SICB meetings since 1975; Organized or co–organized symposia on Cellular Mechanisms of Ion Transport in Arthropods, Integrative Aspect of Epithelial Structure and Function, and Evolutionary Physiology. Participant in numerous other symposia.

**Other Memberships and Activities:** American Physiological Society; Society of Vector Ecologists; Society for the Study of Evolution; Campus Director, University of California Natural Reserve System; Associate Editor of Physiological and Biochemical Zoology.

**Research Interests:** Physiological ecology, salt and water balance, aquatic ecology, evolutionary physiology, immune responses in insects, animal energetics and respiration, the structure and function of epithelia.

**Goals Statement:** The Society has made tremendous strides in recent years, improving our financial stability, enhancing the quality of the meetings, increasing membership, and revamping and modernizing our journal. The primary goal is to continue these positive trends. To achieve this, we must maintain and indeed slowly grow our membership to assure the fiscal health of the Society and increase the vibrancy of the meetings. I will continue our activities in reaching out to other societies, thereby enriching and diversifying the science at our meetings. These efforts serve to make members of other societies more aware of our activities and intellectual approaches, and may attract new members of like interest. The most important mechanism for increasing our numbers, however, is growth through the addition of young scientists, not least of all our own graduate students. SICB does an extraordinary job of supporting, fostering and training graduate students. At our meetings, the students are exposed to science at the cutting edge of our fields and an opportunity to present their own research to a broad and knowledgeable audience. I will work to strengthen our meetings, to reach out to other fields, and continue to support and foster graduate student participation, as a way of

strengthening the Society and assuring our growth and success well into the future.

## **John S. Pearse**

**Current position:** Professor Emeritus/Research Professor, Department of Ecology and Evolutionary Biology, University of California, Santa Cruz.

**Education:** B.Sc., Zoology, University of Chicago, 1958; Ph.D., Biological Sciences, Stanford University, 1964.

**Professional Experience:** University of California, Santa Cruz, Prof. Emeritus/Research Prof. 1994–present; Professor, 1978–94; Associate Professor, 1974–78; Assistant Professor, 1971–74; California Institute of Technology, Research Fellow, 1968–71; American University of Cairo, Egypt, Assistant Professor, 1965–68; visiting faculty positions at: Bamfield Marine Laboratory, Catalina Marine Laboratory, Harvard University, Isles of Shoals Marine Laboratory, Oregon State University, SSmithsonian Tropical Research Institute, Stanford University, University of California, San Diego. SICB

**SICB Activities:** Member of SICB since 1963; Member of Best Student Paper committees, DIZ, various years; Symposium Organizer, 1989 (with Jim McClintock) and 2002 (with Marvalee Wake); Society Program Officer, 1999–2002.

**Other Memberships:** American Association for the Advancement of Science (Fellow 1983), California Academy of Sciences (Fellow 1979, Trustee 1994–2003, President 1997–2003), International Society for Invertebrate Reproduction (President 1995–98), Santa Cruz City Museum Association (President 1985–86), Sea Studios Foundation (Board Member 1999–present), Sigma–Xi (Campus President 1997–99), The Otter Project (Board Member 1996–present), Western Society of Naturalists (President 1983); Regional Editor, *Marine Biology* (1974–1976), Editorial Board, *Invert. Repro. Develop.* (1978–present), Editorial Advisor, *Mar. Ecol.–Prog. Ser.* (1979–1995), Board of Reviewers, *Science* 1985–1988), Associate Editor, *Encyclopedia of Reproduction* (1996–98).

**Honors:** American University of Cairo, Egypt, Student Body Best Teacher Award (1966); University of California, Santa Cruz, Alumni Distinguished Teacher Award (1982), Re–Entry Program Teacher of the Year (1994), Academic Senate Committee on Teaching Excellence in Teaching Award (1997); Western Society of Naturalists, Naturalist for the Ages award (2002); Monterey Bay National Marine Sanctuary, Annual Recognition Award for Science (1994), Annual Recognition Award for Education (2003), Ricketts Memorial Lecture Award (2004).

**Research Interests:** Reproductive mode and timing in marine invertebrates, rocky intertidal and kelp forest ecology, invertebrate biology, especially echinoderms, speciation and biogeography of tropical and Antarctic echinoderms and west coast banana slugs.

**Goals Statement:** Biology has made tremendous advances in the 20th century, in large part because of increasing focus in specialized fields at the expense of more integrated holistic approaches. The success of specialization is beyond question. On the other hand, we are well into an exciting time of linking fields and approaches to address larger questions unapproachable just a few years ago. SICB, by the action of far–sighted, broadly trained officers, has been nearly unique among biological societies in holding together diverse specialized fields that span much of biology as one interacting unit. We are now in the position to build on our strength to more fully integrate our approaches. Facilitating this integration would be my highest

priority. In addition, advances in biology and other sciences pervade all aspects of our culture, and will do so increasingly in the coming decades. Yet the majority of Americans, including those in high positions of authority, has only vague notions of the biological revolution that is upon us, or even how science is done. I believe SICB is in a good position to reach out to the general public and would make that another of my main priorities. Finally, our world is in the midst of irreversible globalization, and SICB should be able to help lead the way to establish stronger international linkages in our science. I have benefited professionally, and greatly enjoyed the interactions and collegiality gained, from attending our meetings over the years, and I have especially appreciated how SICB has welcomed and nourished students and younger members of our profession while remaining valuable to our long-term members. Serving as the Society Program Officer was a very rewarding experience for me as I worked closely with so many of our members, including Tim Bradley. I'm impressed with the talent and commitment of my colleagues, as well as with Burk and Associates, our management group. While there remain many formidable challenges for SICB, I would (mostly) enjoy engaging them with you.

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## **Program Officer**

### **Patrick Reynolds**

**Current position:** Associate Professor, Biology, Hamilton College, NY; 1998–present

**Education:** 1983 B.Sc.: Zoology, University College Galway, Ireland. 1991 Ph.D.: Biology, University of Victoria, Canada.

**Professional Experience:** Assistant Professor, Biology, Hamilton College, 1992–98. Research Associate/Visiting Post-doc, Inst. Marine Sciences, UC Santa Cruz, 1990–92. Lecturer, Integrative Biology, UC Berkeley 1990, 1991

**SICB Activities:** Member 1987–present; presentations/abstracts in 1988, '91, '95, '97, '98; Student Best Paper Award Panel (DIZ), 1998, 1999; Secretary, DSEB, 2004–2006. Editor, 2004–present, Co-editor, 1997–2003, Invertebrate Biology, quarterly journal of the American Microscopical Society and DIZ

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

**Research Interests:** Functional morphology and evolution of invertebrates, particularly the Mollusca; comparative studies addressing the evolution of organ systems and clades using morphological and molecular systematics.

**Goals Statement:** Having been a member of SICB since graduate days, I would be honored to serve as Program Officer. I support SICB because of its strength in bringing biologists from diverse fields to a single organization that emphasizes their cross-disciplinary interests. I therefore view programming that enhances communication beyond divisional membership as essential. In addition to continuing topical session programming, I would promote multi-divisional /co-host society symposia, and try to facilitate member attendance at secondary division and other extra-session meetings that enrich our AGM. While the logistic challenges of increasing attendance must be met to preserve the scope and success of our meetings (as

presentation length, promotion of posters, etc. are examined), this success can also promote the nascent initiatives for societal growth in educational and international arenas. I would look forward to serving the divisional POs in aiding and coordinating their activities to produce a series of meetings that reflect the uniquely integrative mission of SICB.

### **Linda J. Walters**

**Current position:** Associate Professor, Department of Biology, University of Central Florida, Orlando, FL

**Education:** Bates College (B.S. in Biology, 1983), University of South Carolina (M.S. and Ph.D. in Biology, 1986 & 1991)

**Professional Experience:** Assistant Professor, University of Central Florida (1997–2003); Postdoctoral Fellow, University of Hawaii at Manoa with Dr. M. Hadfield and Dr. C. Smith (1992–94); Indo–American Fellow through the Fulbright Program at Cochin University of Science and Technology in Cochin, India (1994–95); Postdoctoral Fellow, Université Laval in Quebec, Canada with Dr. Edwin Bourget (1995–96)

**SICB Activities:** Member since 1984. Student Support Committee (awarding GIAR and travel grants): 2002–2005. Co–Chair: Libbie Hyman Fund Raising Auction Committee (raised nearly \$12,000 in 2004!); 2003–3004. Chair: DEE Outstanding Student Presentations (2000–2003). Divisional Secretary: DEE (2000–2003). Judge: DIZ and DEE student presentations (1995–present).

**Other Memberships:** Sigma Xi, Ecology Society of America, Estuarine Research Federation, International Society for Reef Studies.

**Research Interests:** I am interested in: 1) the basic biology/ecology of native and invasive estuarine and marine organisms, and 2) understanding and minimizing human impacts on aquatic ecosystems in tropical, subtropical and temperate waters.

**Goals Statement:** Like many SICB members, I joined this society in my first year of graduate school. More than any other society, SICB provided me with research contacts and workshops/advice that have been extremely beneficial in grantsmanship and employment. Now, I would like the opportunity to help the society. I feel that SICB is presently headed on a very good path and my goal in running for Program Officer is to help SICB navigate this road while keeping the society attractive to a wide range of scientists (members and potential members). The Program Officer's job is straightforward – to maximize the success of annual meetings by providing logical electronic submissions, searchable abstract databases, and oral/poster venues that maximize exposure of the diverse research accomplishments of all members. In addition to diversifying abstract keywords, I will work toward creating the best matches between presenters and interdivisional session topics.

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### **Member at Large of the Executive Committee**

## **James A. Carr**

**Current Position:** Associate Professor, Department of Biological Sciences, Texas Tech University

**Education:** B.S., (with honors), Zoology, Rutgers University, 1982. M.A., Zoology, University of Colorado, 1986. Ph.D., Zoology, University of Colorado, 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, 1991–1996; 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; Panel member, National Science Foundation Integrative Animal Biology Panel; Associate Editor for General and Comparative Endocrinology, 2002–Present.

**SICB Participation:** Member, 20 yrs. Secretary, Division of Comparative Endocrinology, 2002–2004; Co-organizer, SICB symposium, "Stress–Is it more than a Disease? A Comparative Look at Stress and Adaptation", 2001; 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 and Activities:** Society for Neuroscience, J.B. Johnston Club, Society for Environmental Toxicology and Chemistry, American Heart Association, International Neuropeptide Society, European Comparative Endocrinology Society.

**Research Interests:** My research focuses on various aspects of comparative neuroendocrinology and the environmental endocrinology of amphibians.

**Goals Statement:** As Member-at-Large I will interact with the Executive Committee as a voice for society members on all of the major issues that face our rapidly growing society. Maintaining the growth of our society without losing our identity as a truly integrated organization will require effective communication between society members and the executive committee. I also will continue to support and publicize our regional and national meetings as unique platforms for discussing integrative biology.

## **Billie J. Swalla**

**Current Position:** Associate Professor of Biology, University of Washington at Seattle

**Education:** PhD in Biology, University of Iowa; M.S. with thesis in Zoology, University of Iowa; B.S. with honors in Zoology, University of Iowa.

**Professional Experience:** 2001–04 Associate Professor; Biology Department, University of Washington. 1999 – 2000 Assistant Professor; Zoology Department, University of Washington. 1997 –99 Assistant Professor; Department of Biology, Pennsylvania State University. 1994–97 Assistant Professor; Biology Department, Vanderbilt University, Nashville, TN. 1991–94 Assistant Research Developmental Biologist; Bodega Marine Laboratory, University of California – Davis, Bodega Bay, CA. 1989–92 NIH Post-Doctoral

Fellow; Bodega Marine Laboratory, University of California – Davis, Bodega Bay, CA. 1988–89 AAUW Sarah Berliner Post–Doctoral Fellow; Center for Developmental Biology, University of Texas – Austin, TX.

**SICB Participation:** 2000 Founded the SICB Division for Developmental Evolutionary Biology; Symposium Co–organizer for 2 Symposium SICB Annual Meetings; Atlanta, GA Jan. 5–8, 2000 "Hom/Hox Clusters and the Evolution of Morphology" and "Evolutionary Developmental Biology: Paradigms, Problems and Prospects" [see *Nature* 403: 125 (2000) and *Science* 287:570 (2000) for reports]; 1996–99 Program Officer, Division of Developmental and Cell Biology; 1994–97 SICB President's Advisory Committee.

**Other Memberships and Activities:** Associate Editor for *Integrative and Comparative Biology*, *Molecular Biology and Evolution*, *JEZ:Molecular and Developmental Evolution*; 2003–05 Council Member for the Society for Systematic Biologists; 2001–04 American Association for the Advancement of Science Officer, Chairman of the Electorate Nominating Committee for Section on Biological Sciences; 2002–04 Executive Board; Biology Department; University of Washington; 2002–04 Friday Harbor Laboratories Advisory Committee; U of Washington; 2002–04 Member of the Council for Gordon Research Conferences

**Research Interests:** Evolution and Development of the Chordates; Tunicata and Hemichordata Phylogeny and Development; Evolution of Marine Invertebrate Metamorphosis; Evolution and Development of Coloniality.

**Goals Statement:** I would be pleased to be a Member–at– Large because I am interested in many of the SICB divisions. I work on marine invertebrates, conducting interdisciplinary studies at the interface of ecology, evolution and development. I am primarily interested in keeping top notch programs presented at the SICB meetings, promoting interaction between the many divisions of SICB and recruiting new members. It is an exciting time to be a scientist and we have much to appreciate and share with our different scientific viewpoints.