



NEWSLETTER

Animal Behavior Society

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Regina H. Macedo, Secretary

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publication

Raphael I. Dias, Editorial Assistant

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VOTE! VOTE! VOTE! 2009 ABS ELECTIONS

Please take the time to vote in the upcoming election! Electronic information and ballot are enclosed in this newsletter. You can vote using this ballot OR you can **vote online**, provided the Central Office has your e-mail address and you have approved its use for this purpose. **If you vote by regular mail, your name MUST be on the envelope.**

CANDIDATES FOR 2009 ELECTION OF OFFICERS

See biographies of candidates at end of the newsletter with the ballot on the next to last page.

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2008-2009 ABS OFFICERS

President: Molly Morris, Department of Biological Science, Ohio University, Athens, OH 45701, USA. Phone: (740) 593-0337, E-mail: morrism@ohio.edu.

First President-elect: Mike Ryan, Section of Integrative Biology C0930, 1 University Station, University of Texas, Austin, TX 78712, USA. Phone: (512) 471-5078, E-mail: mryan@mail.utexas.edu.

Second President-elect: Susan Foster, Department of Biology, Clark University, 950 Main St., Worcester, MA 01610-1473, USA. Phone (508) 793-7204, E-mail: sfoster@clarku.edu.

Past President: Gerald Wilkinson, Department of Biology, University of Maryland, College Park, MD 20742, USA. Phone: (301) 405-6942, E-mail: wilkinso@umd.edu.

Treasurer: Jim Ha, Department of Psychology and National Primate Research Center, Box 357330, University of Washington, Seattle, WA 98195-7330, USA. Phone: (206) 543-2420, E-mail: jcha@u.washington.edu.

Secretary: Regina H. Macedo, Departamento de Zoologia, Universidade de Brasília, Brasília, DF 70910-900 Brazil. Phone: (+55-61) 3307-2265, E-mail: rhfmacedo@unb.br.

Program Officer: Diana Hews, Department of Ecology and Organismal Biology, Indiana State University, Terre Haute, IN 47809, USA. Phone: (812) 237-8352, E-mail: dhews@indstate.edu.

Junior Program Officer: Dario Maestriperi, Evolutionary Biology and Neurobiology, The University of Chicago, 5730 S. Woodlawn Ave., Chicago, IL 60637, USA. Phone: (773) 834-4104, Email: dario@uchicago.edu.

Parliamentarian: Sue Margulis, Curator of Primates, Lincoln Park Zoo, 2001 N. Clark Street, Chicago, IL 60614, USA. Phone: (312) 742-2345, E-mail: smargulis@lpzoo.org.

Executive Editor: Michael Breed, Department of Ecology and Evolutionary Biology, University of Colorado, CB 334, Boulder, CO 80309-0334, USA. Phone: (303) 492-7687, E-mail: michael.breed@colorado.edu.

Members-at-Large:
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Historian: Lee Drickamer, Department of Biological Sciences, Northern Arizona University, Flagstaff, AZ 86011-5640, USA. Phone: (520) 523-0388, E-mail: Lee.Drickamer@nau.edu.

DIRECTION OF CORRESPONDENCE

ABS Newsletter and general correspondence concerning the Society should be sent to Regina Macedo, rhfmacedo@unb.br. Deadlines are the 15th of the month preceding each Newsletter. The next deadline is **January 15, 2009**. Articles submitted by members of the Society and judged by the Secretary to be appropriate are occasionally published in the ABS newsletter. The publication of such material does not imply ABS endorsement of the opinions expressed by contributors.

Animal Behavior Society Website:
<http://www.animalbehavior.org/>

Animal Behaviour, manuscripts and editorial matters: Animal Behavior Editorial Office, Indiana University, 2611 East 10th St, Bloomington, IN 47408-2603, USA. E-mail: aboffice@indiana.edu, Phone: (812) 856-5541, Fax: (812) 856-5542.

Change of address, missing or defective issues: Animal Behavior Society, Indiana University, 2611 East 10th St., Bloomington, IN 47408-2603, USA. Email: aboffice@indiana.edu, Phone (812) 856-5541. Fax (812) 856-5542.

ANIMAL BEHAVIOR FOR KIDS: CHILDREN'S BOOK AWARD

Each year, the Education Committee presents an award for an outstanding children's book that emphasizes animal behavior. This year, we received 55 submissions from 13 publishers in the United States and Canada. The review committee (Sue Margulis, Danielle Lee, Chris Cratsley, and John Roche) completed first round evaluations and narrowed the field to four finalists (reviews follow). The Committee then solicited reviews from children in grades 3-5, and donated all submitted

titles to neighborhood schools (this year, over 200 books, with an estimated value of over \$3000). Nearly 250 students reviewed the finalists, and selected the 2008 winner: *Where in the Wild?* In addition, the winner of the 2006 Outstanding Children's Book Award, Dr. Stanley Coren, attended this year's ABS meeting and participated in a session on science writing. We thank our review committee, our partner schools and community groups, and the publishers for their continued support of the Children's Book Award.

*Where in the Wild? Camouflaged Creatures
Concealed...and Revealed*

By David Schwartz and Yael Schy (photos by Dwight Kuhn)

Published by Tricycle Press

Review by Sue Margulis, Lincoln Park Zoo, Chicago

What do you get when you combine delightful poetry, "hidden image" photography, and factual details about animal behavior? The answer is *Where in the Wild*. This outstanding book (recipient of the 2008 Animal Behavior Society Outstanding Children's Book Award) introduces a series of well-camouflaged animals with a poem. Readers can try to spot the animal in the photo (which is fun and challenging), then lift the flap to reveal the hidden animal, along with wonderful information on the behavior and ecology of the subject. Species span a broad taxonomic range, including spiders, fish, salamanders, birds and mammals. Each poem is written in a different style, and the combination of poetry, prose and visual imagery is sure to enthrall young readers. Said one young reader: "It is a fun book to read. It has a lot of surprises." Another reader noted: "Kids could learn by all the rich text and the good information and be excited." This is a truly captivating book.

Survival Secrets of Sea Animals

By Mary Jo Rhodes and David Hall (Photographer)

Published by Children's Press

Review by Danielle N. Lee, University of Missouri - St. Louis

This book is great. I loved it. It explains all of the ways different sea animals avoid and wriggle their ways out the clutches of the most clever sea predators. The photos are excellent and the text is engaging. I highly recommend this book for young readers and environmental educators, too. This book is a great way to introduce the ecological concept of predator-prey dynamics to students in intermediate grades (3-5). It's a perfect way to get students to apply and evaluate what they comprehend, comparing and contrasting the adaptations and behavioral tactics of these sea "foes". The Student Reviewers of Clay Elementary really

enjoyed the up-close and detailed pictures of the animals. The colors and adaptive weapons and tactics of the sea animals were very interesting to them. They found the book very easy to read and understand...That's always a good thing to hear.

Octopuses

By Sandra Markle

Published by Lerner Publications Company

Review by John Roche, Northeastern University, Boston

Swimming through the ocean, an animal of high intelligence and complex behavior uses its camera-style eyes to look for food. But this animal is not a dolphin, seal, or sea lion--it is a far more distant relative of ours. It is a giant Pacific octopus. *Octopuses*, by Sandra Markle, tells readers about the lives and marvels of the giant Pacific octopus and several other octopus species. Readers quickly discover that while these relatives of garden snails are indeed not dolphins or sea lions, they have lives and evolved traits that are equally, if not even more, astounding. Octopuses can change colors and shape shift to blend in to their surroundings to avoid predators. They can dart about rapidly when needed using jet propulsion. They can inject poisonous saliva into their prey. And the females carefully devote themselves to caring for their developing young. Sandra Markle is the author of several other books for children, has taught science to elementary school children, and has created programs on science for PBS and CNN. In *Octopuses*, she provides children and adults with a vivid tour of the natural history of octopuses, with informative text and beautiful photographs. She also provides a short glossary and a list of two books where readers can find additional information on these astounding creatures of the sea. *Octopuses* is a worthwhile read for those who are fans of these intriguing animals, and for those that are about to be fans.

Naturally Wild Musicians

by Peter Christie

Published by Annick Press

Reviewed by Christopher Cratsley, Fitchburg State College

For birds, frogs, insects, mammals and even fish, *Naturally Wild Musicians* by Peter Christie tells the story of how animals communicate using sound. Using a combination of easy to read text, colorful page layouts and beautiful animal photographs, this book provides an interesting introduction to how and why animals communicate the way they do, and why other animals pay attention to songs and other sounds. Short chapters introduce several specific examples of ways in

which animals use acoustic signals to attract mates, defend territories, detect information about each other, and in some cases, to catch prey or discourage predators. Individual book chapters also discuss how animals broadcast their songs, use ultrasound to communicate, and engage in duets. The author does an excellent job of summarizing what scientists have discovered and hypothesized about acoustic communication in a wide variety of species. This information is supplemented at the end of the book with age-appropriate additional readings for children as well as a selected bibliography of scientific references for curious adults. For readers of all ages, these "naturally wild musicians" are sure to change the way you listen to the sounds of the natural world.

A SPECIAL ACKNOWLEDGMENT

A big thank-you to **Jan Randall** for putting together most of the August Newsletter during the transition in secretarial roles, and for providing expertise while I prepared this issue as well. Not to mention the fact that she took all of the great photos illustrating both issues!

2008 ABS CAREER AWARDS

Recipients of the Distinguished Animal Behaviorist Award, Exemplar Award and Quest Award will be announced and honored at the banquet during the 2009 annual meeting in Pirenópolis, Brazil.

CALL FOR NOMINATIONS FOR 2009

CAREER AWARDS

The Animal Behavior Society recognizes excellence in research and service through its Career Awards. They include **Distinguished Animal Behaviorist** for outstanding lifetime achievement in animal behavior; **Exemplar Award** for a major long-term contribution to animal behavior; **Outstanding New Investigator** for outstanding contribution by a new investigator; **Quest Award** for a seminal contribution; **Exceptional Service Award** for sustained service contribution to the Animal Behavior Society; and the **Animal Behavior Society Teaching Award** that honors distinguished contributions in teaching animal behavior to undergraduates (see separate announcement below.) All members of the society are encouraged to prepare and submit nominations for these awards. To aid the Selection Committee the following items must be submitted for nominations: (1) A letter of nomination indicating the award for which the nominee is being

proposed that provides details on the reasons the nominee should be considered for the award; (2) a curriculum vitae of the nominee; and (3) at least two additional supporting letters from colleagues solicited by the nominator. These materials (except for the teaching award) should be sent to ABS Past President, Gerald Wilkinson, Department of Biology, University of Maryland, College Park, MD 20742, USA. Phone: (301) 405-6942, E-mail: wilkinso@umd.edu. DEADLINE: **1 March 2009**.

DISTINGUISHED TEACHING AWARD

PLEASE NOTE THE CRITERIA HAVE BEEN BROADENED IN ORDER TO RECOGNIZE A GREATER RANGE OF TALENTED MEMBERS. The recipient of this award receives recognition, a plaque from the Society, and the opportunity to organize an education-related event at the following annual meeting. It is easy to know about our colleagues' research by reading publications; it is much more difficult to know about their teaching excellence. We rely on nominations. PLEASE NOMINATE QUALIFIED COLLEAGUES FOR THIS PRESTIGIOUS AWARD. Selection of the award recipient will be made by the Animal Behavior Society Education Committee and approved by the Executive Council. The award recipient will be announced at the annual meeting of the Society.

Deadline: Nominating letters (or the form at the end of the Newsletter) should be submitted by **31 March 2009** to Penny L. Bernstein, Assoc. Prof. Biological Sciences, Kent State University Stark Campus, 6000 Frank Avenue, N. Canton, OH 44720. Questions can also be directed to Becky Talyn btalyn@csusb.edu.

Although e-mail copies are acceptable by the deadline, hard copies of letters of nomination with signatures are required before final considerations can be made.

Criteria and Procedures

1. Nominees must be current members of the Animal Behavior Society. (Note: current officers and committee chairs are not eligible for nomination.)
2. Nominees must have demonstrated highly effective and innovative teaching in the classroom or in an informal education setting (e.g., zoos, aquaria, museums, 4-H programs, research labs and field stations, and environment centers). They should have a reputation among peers and students for excellence in educating people about animal behavior.
3. Persons wishing to nominate an individual for the award should submit a one-page nomination letter

providing evidence to support the nomination. The letter should also include names of at least two additional peer reviewers, and two current or former students or program participants. If students are under 18 years old, the student/participant references should be accompanied by, or attached to, a letter from the appropriate teacher or youth program coordinator. (Note: Department chairs, directors, supervisors, or colleagues may be helpful sources for this information if you are not at the same institution as the person you are nominating.)

4. The Education Committee will solicit appropriate supporting materials, including those indicated in nominating letters (e.g., documentation of other teaching awards, peer and student evaluations, additional references, evidence of innovation in curriculum development, development of educational tools, programs, or multimedia products, or other appropriate indicators of superior educating).

5. If you would like to **renominate** an individual for the award, please submit a letter indicating that you are doing so and provide any additional information you feel might be helpful to the committee. Please also include the date of the original nomination. Names of additional peer or student reviewers may also be provided.

ABS STUDENT RESEARCH GRANTS DEADLINE 5 JANUARY 2009

JOINT APPLICATION PROCESS: STUDENT RESEARCH GRANTS, E.O. WILSON CONSERVATION AWARD, CETACEAN BEHAVIOR & CONSERVATION AWARD

Applicants for any of the ABS-sponsored graduate student research awards may apply via a **single application process**. Application materials should be submitted through the ABS website (see Grants). The grant site is scheduled to open on Monday, **3 November 2008**. Information regarding the submission of special files (e.g., figures) is available on that site, as well as information about the requirements for a letter of support, should the proposal be short-listed. Individuals who are unable to submit their applications through the website should contact ABS Senior Member-at-Large, John M. Eadie, Department of Wildlife, Fish & Conservation Biology, One Shields Ave., University of California Davis, Davis CA 95616, email: jmeadie@ucdavis.edu.

Applicants must be: 1) currently enrolled in a graduate program, and 2) active student members of ABS, (i.e., enrolled or renewed two weeks prior to the Award Application Deadline). The Cetacean Behavior and Conservation Awards are also open to ASAB members.

Applicants should contact Shan Duncan at the Central Office (email: aboffice@indiana.edu) at least two weeks prior to the Award Application Deadline in order to have an account set up on the ABS server. **Applicants may receive only one of these awards** (ABS Student Research Grant, E. O. Wilson Conservation Award, or Cetacean Behavior and Conservation Award). Individuals who have received one of these awards in a previous year are ineligible to receive additional awards.

ABS Student Research Grant

The ABS Student Research Grant Committee announces the 2008 competition for funds in support of graduate student research. Grants to support student research will be awarded at a level of \$500 to \$2000 each, depending on referee evaluations. Applicants must be: (1) currently enrolled in a graduate program; and (2) active student members of ABS, enrolled or renewed by **22 December 2008**. The DEADLINE for receipt of completed applications is **Monday, 5 January 2009** (midnight, Eastern Standard Time). Late applications will not be accepted. All applicants must arrange to provide a letter of support from an advisor or other scientist. All applications will be reviewed by members of the ABS Student Research Grant Committee, and award decisions will be announced in April 2009.

Application Process: Please see the Joint Application Process above.

E. O. Wilson Conservation Award

The Edward O. Wilson Conservation Award seeks to encourage graduate students of animal behavior to participate in meaningful conservation-related research. This single award of up to US\$2000 supports a proposal considered meritorious for its integration of behavior and conservation. The award is named for Dr. E. O. Wilson, professor at Harvard University, one of the world's preeminent scientists and pioneers in biodiversity conservation. Dr. Wilson received the ABS Distinguished Animal Behaviorist Award in 2002. Applicants must be: (1) currently enrolled in a graduate program, and (2) active student members of ABS, enrolled or renewed by **22 December 2008**. The DEADLINE for receipt of completed applications is **Monday, 5 January 2009** (midnight, Eastern Standard Time). Late applications will not be accepted. All applicants must arrange to provide a letter of support from an advisor or other scientist. All applications will be reviewed by members of the ABS Student Research Grant Committee, and award decisions will be announced in April 2009.

Application Process: Please see the Joint Application Process above

Cetacean Behavior and Conservation (CBC) Award

The purpose of the Cetacean Behavior and Conservation Award, established in 2001, is to provide financial support for graduate students studying cetacean behavior and/or cetacean conservation in natural environments. The goal of the award is to encourage original and significant research that focuses on endangered populations or species, or on critically important problems in cetacean behavioral biology. A maximum of two awards of up to US\$1000 each will be made to successful applicants. The award must be used for field research; it cannot be used for laboratory research. The award shall be given only if there are proposals deemed worthy by the judges in any given year. Thus, there may be years in which no award is made. Eligible applicants must be enrolled in a Masters or Doctoral Program in a University accredited by a regional college association.

Applicants must be: (1) currently enrolled in a graduate program; and (2) members in good standing of one of the following professional societies: Animal Behavior Society or Association of the Study of Animal Behaviour (enrolled or renewed as of **22 December 2008**). The DEADLINE for receipt of completed applications is **Monday, 5 January 2009** (midnight, Eastern Standard Time). Late applications will not be accepted. All applicants must arrange to provide a letter of support from an advisor or other scientist. All applications will be reviewed by members of the ABS Student Research Grant Committee, and award decisions will be announced in April 2009. ASAB members wishing to apply for this award must contact Shan Duncan in the Central Office, aboffice@indiana.edu prior to 22 December 2008 to have an account set up on the ASB society server.

Application Process: Please see the Joint Application Process above

Animal Behavior Society Developing Nations Research Grant

ABS announces the annual Developing Nations Research Grant Competition. The funds are intended to provide financial support for scientific studies of animal behavior conducted by **current Animal Behavior Society student members as well as more established researchers** who are residents of a developing nation and are conducting research at an institution in a developing nation. (Please note that developing nation student members of ABS are also

eligible to apply for the annual Student Research Grants Competition.)

The following nations shall **not** be considered developing nations: the United States, Canada, Israel, Japan, Australia, New Zealand, Iceland, Norway, Sweden, Finland, Denmark, Germany, the Netherlands, Belgium, Luxembourg, Ireland, Switzerland, Austria, Italy, France, the United Kingdom, Spain, and Portugal. Grants are awarded for research to be conducted within a 1-year period from the date of award.

Applicants must be active members of ABS (i.e., enrolled or renewed by **22 December 2008**). The DEADLINE for receipt of completed applications is **Monday, 5 January 2009** (midnight, Eastern Standard Time). Late applications will not be accepted. All applicants must arrange to provide a letter of support from an advisor or other scientist. All applications will be reviewed by members of the ABS Student Research Grant Committee, and award decisions will be announced in April 2009.

Application Process: Please see the Joint Application Process above.



Allee participants at 2008 ABS Meeting, Snowbird.
Sitting left to right: Anna Mosser, Clair Varian, and Angela White. Standing left to right: Noa Pinter-Wollman, Andre Fernandez, Kara Loeb Belinsky, Robin Tinghitella, Maud Ferrari and Hope Klug.

CALL FOR ABS MEETING INVITATIONS

ABS is seeking proposals for future meeting venues. Sites can be a resort or hotel, university campus or a mixture of the two. Contact ABS Past President, Gerald Wilkinson, Department of Biology, University of Maryland, College Park, MD 20742, USA. Phone: (301) 405-6942, E-mail: wilkinso@umd.edu.



New ABS President, Molly Morris, speaking at the ABS meeting banquet in Snowbird, 2008.

**CALL FOR SYMPOSIA
FOR THE 2010 AAAS MEETING**

ABS is striving to expand awareness of its excellent science via symposia for the annual AAAS meeting. The target date for the next symposium is 2010. Anyone interested in organizing a symposium for the meeting please contact Dario Maestriperi, dario@uchicago.edu

**National Science Foundation Funding for Travel to
ABS Meetings in Brazil 2009**

The Animal Behavior Society announces a competition for 30 travel awards of \$1,000 each to supplement travel expenses for North American graduate students or postdoctoral fellows to attend the annual meeting of the Animal Behavior Society to be held June 22 to 26, 2009 in Pirenópolis, Brazil. While all students at US institutions will be considered, preference will be given to US citizens. Deadline for applying is **FEBRUARY**

1st, 2009. Applications should include a CV, scientific abstract of the presentation, type of presentation (oral contributed, Allee competition, or poster), a one page personal statement explaining how and why the meeting experience is important to your career development, and a letter of support from advisor or sponsor. Criteria for selection will include quality of the science, likely potential for developing future collaborations, and progress in graduate school or as a postdoctoral fellow (i.e. students in the last two years of their program will be given priority over students in the first two years). Applications should be sent by e-mail to the President and chair of the committee, Dr. Molly R. Morris (morrism@ohio.edu).

Latin American Travel Award

The Latin American Travel Awards are intended to encourage greater participation of Latin American researchers in ABS meetings, by helping to defray the costs of international travel, housing and/or meals at meetings. Given the eligibility criteria below, priority will be given to Ph.D. students who are attending an ABS meeting for the first time and who have not received a Latin American Travel Award in previous years. Award values vary according to funds available. Candidates are prioritized according to the quality of their abstracts and CVs, which should be sent to Member at Large, Dr. Alex Basolo (basolo@cricket.unl.edu). Deadline for applying is **MARCH 31st, 2009.**

Eligibility: Latin American Travel Awards are restricted to Latin American graduate students enrolled in programs in Latin American institutions, who will be presenting a talk/poster at the ABS meeting.

Diversity Fund Student Registration Fee Award

The Diversity Fund Student Registration Fee Awards are intended to encourage participation and defray costs of attending the annual Animal Behavior Meetings by covering registration fees for graduate students and, in some cases (see below), established professionals, of under-represented minorities. Awards will be made by lottery of all valid applications received before the deadline, which is **MARCH 31st, 2009.** Applications should be sent to ABS Treasurer, Dr. James Ha (jcha@u.washington.edu). Preference is given to individuals presenting research results.

Eligibility: Applicants from North America must be enrolled in a graduate program at the time of application and must be members of under-represented minorities who are of African, Asian, or Latin

American descent or of Native American heritage. Citizens (graduate students or established professionals) of Latin American countries and non-white citizens of African countries are also encouraged to apply.

ARTICLES

ABS 2008 Meeting Symposium

PATHWAYS TO NOVELTY AND DIVERSITY: THE CAUSES AND CONSEQUENCES OF POLYPHENISM

By David Pfennig

Symposium Organizers:

David W. Pfennig, University of North Carolina
Armin P. Moczek, Indiana University

How do novel, complex phenotypes originate and how do they subsequently diversify? The Animal Behavior Society hosted a symposium at its 2008 meeting that addressed this question by exploring the causes and consequences of polyphenism at the behavioral, developmental, genetic, and evolutionary levels.

Polyphenism is the ability of a single genome to produce two or more alternative phenotypes in response to an environmental cue. Polyphenic development is taxonomically widespread and of great ecological relevance. Indeed, polyphenic development often involves traits of major "macroevolutionary" significance, such as the facultative expression of wings and flight in many insects; aquatic or terrestrial life styles in amphibians; or alternation between sexual and asexual modes of reproduction. Therefore, polyphenism is thought to play a key role in the origin of novel phenotypes. Specifically, polyphenic development allows innovation to begin without abandoning existing phenotypes; it may allow populations to reach alternative peaks in the adaptive landscape without having to traverse maladaptive valleys; and it may drive rapid genetic evolution through genetic accommodation of alternative phenotypes. Importantly, behavior may initiate all of these processes. Therefore, behavior may be instrumental in the initiation, guidance, and elaboration of alternative and novel phenotypes.

Polyphenism in general, and its behavioral components in particular, may also facilitate diversification. For example, polyphenism provides new targets on which selection can operate, such as behavioral and developmental switches and thresholds. Additionally, alternative phenotypes may differentially diverge in different populations, including the loss, recurrence,

and genetic accommodation of alternatives following major population-wide environmental changes. Combined, these processes may fuel rapid divergence between populations, facilitate speciation, and even drive adaptive radiation.

This symposium examined polyphenic development's role in the origin of both phenotypic novelty and diversification, from the origin of alternative phenotypes within species to adaptive radiation. The symposium brought together a diverse group of researchers who study polyphenic development and its consequences in varied model systems using diverse approaches to address wide-ranging research questions. The symposium focused on examples of polyphenism that are implicated in mating or resource use, because such polyphenisms appear to play a key role in driving behavioral and morphological innovation and diversification.

To set the stage for the symposium, Mary Jane West Eberhard (Smithsonian Tropical Research Institute) presented a plenary talk. In her talk, she discussed how alternative phenotypes often arise through developmental plasticity, and why such alternatives are so important for evolutionary innovation and diversification. This plenary talk was followed by the main symposium, which was introduced by David Pfennig (UNC Chapel Hill). There were then three talks in the morning, mostly aimed at understanding the role of polyphenism in the origins of novelty. In the first such talk, Armin Moczek (Indiana U.) discussed how horned beetles serve as a model system for studying polyphenism and its role in the origins of novel traits and new species. Fred Nijhout (Duke U.) then discussed polyphenic development, genetic accommodation, and the origins of lepidopteran diversity. Next, Ehab Abouheif (McGill U.) discussed the evolution of gene networks underlying caste polyphenism in ants.

The afternoon session consisted of three talks, mostly aimed at understanding the role of polyphenism in the process of diversification. In the first such talk, Beren Robinson (U. of Guelph) discussed how polyphenism may often play a key role in promoting adaptive alternative phenotypes in populations in which ecological opportunity is present. This talk was followed by a presentation by Renee Duckworth (Harvard U.) on the historical origin and ecological consequences of integrated behavioral phenotypes in a bird. Finally, David Pfennig presented a talk on the role of polyphenism in the origin of species and the evolution of phenotypic differences between them.

The symposium ended with a 90-minute discussion

involving the audience and the symposium participants on "What have we learned and what do we still need to know?" The general consensus seemed to be that the study of polyphenism promises to illuminate how novel, complex phenotypes originate and how they subsequently diversify.



Polyphenism Symposium participants at 2008 ABS Meeting, Snowbird

Sitting left to right: Fred Nijhout, Renee Duckworth, Beren Robinson, Mary Jane West Eberhard, Dave Pfennig and Armin Moczek.

**FIRST ANNUAL ABS FUN RUN
HIGH-FIVE 5K**

By Molly R. Morris

The Animal Behavior Society Sponsored the first ever "fun run", held on the last day of the meeting this year in Snowbird, Utah (that's an elevation of 8,500 feet!). Thirty runners participated, ranging in age from 21 to 64, with some speedsters as well as walkers. John Collins of Snowbird set the route which was a loop that went downhill on dirt roads and single track, and then back uphill to the finish. He warned us to avoid Moose if we encounter them at the start of the race, and while there were no Moose encounters, a bee sting left one participant with a lip that was confused for cosmetic surgery at the banquet later that evening. Spectators cheered on the runners at the finish line, from their rooms in the Cliff Lodge and from the Aerie Lounge on the top floor of the Lodge! The top three male runners were Rob Aldredge (first place), Olau Reuppell (second place) and Darryl Mayeaux (third place). There was an exciting close finish between the top two female runners Laura Kintz (first place) and Emma Ware (second place, see photo below), and Pam Freeman was the third place female finisher. Times and places for all runners can be found on the ABS website. A big THANK YOU to all the volunteers as well as Dan Howard (provided the bibs) and Carrie Hall (kept track of all the times). We would like to also thank Cambridge University Press, W.W. Norton and CO,

and John Hopkins University Press for books donated as prizes.



Emma Ware and Laura Kintz battle it out for first place female at the ABS 2008 Fun Run, Snowbird.

ANNOUNCEMENTS



DON'T MISS OUT ON BRAZIL 2009!

An exciting program is in the works for the 2009 ABS meeting in Pirenópolis, Brazil, from 22-26 June. Three terrific plenary talks will be given: **Richard Dawkins** (Oxford University), **Marlene Zuk** (University of California, Riverside) and **Daniel Rubenstein** (Princeton University). Three symposia are shaping up and these include: “Interacting Phenotypes: Applying Indirect Genetic Effects to Behavioral Ecology”, organized by Heather Bleakley and Steve Shuster; “An Integrative Evaluation of the Production, Perception, Transmission, and Evolution of Color Visual Signals”, organized by Marina Anciães and Kevin McGraw; and “Beyond the Selfish Gene: Research Inspired by the Contributions of Richard Dawkins”, organized by Gerald Wilkinson and Jane Brockmann. One novelty in the conference will be the Pre-conference Mini-Courses that will be conducted by well-known researchers in five areas, sure to be popular among graduate and

undergraduate students and other interested folk. These include: (1) Hugh Drummond (U. Nacional Autônoma de México): “Sibling Competition”; (2) Marlene Zuk (U. California, Riverside): “Sexual Selection”; (3) Donald Blomqvist (Göteborg U.): “How to Become More Certain About Uncertainty: An Introduction to Biostatistics”; (4) Rui Oliveira (Instituto Superior de Psicologia Aplicada -- Portugal): “Behavioral Endocrinology: An Integrative Approach”; and (5) Stephanie Doucet (U. of Windsor): “Coloration and Visual Communication”. Check the ABS website for details!



Rob Aldredge, first place in the male category at the ABS 2008 Fun Run, Snowbird.

CALL FOR SYMPOSIA FOR THE 2010 AAAS MEETING

ABS is striving to expand awareness of its excellent science via symposia for the annual AAAS meeting. The target date for the next symposium is 2010. Anyone interested in organizing a symposium for the meeting please contact Dario Maestriperi, dario@uchicago.edu

2009 WARDER CLYDE ALLEE COMPETITION

The 2009 Warder Clyde Allee Competition for Best Student Paper will take place 22-26 June at the Annual ABS Meeting in Pirenópolis, Brazil. All eligible students are encouraged to participate. The following

rules govern the Allee Award for best student paper presented in the Warder Clyde Allee session at the annual meeting:

Eligibility requirements: Any independent graduate student research (including, but not limited to, the doctoral dissertation) is eligible. The work presented may be part of a larger collaborative effort, but the student should have the principal responsibility for the conceptualization and design of the research, the collection and analysis of the data, and the interpretation of the results. The entrant cannot have completed defense of the doctoral dissertation before the preceding ABS annual meeting (August, 2008). An individual can enter the session only once per lifetime. Only single-authored papers are eligible for the session.

To enter: Students must indicate their desire to be considered for the competition by checking the appropriate box on the abstract submittal form for the annual meeting; submit a written (or electronic) version of their paper, which includes their addresses, telephone numbers, and e-mail addresses; fill out a signed and dated form indicating that they meet all eligibility requirements (to be supplied to entrants after receipt of their papers); present a spoken version during the 2009 Annual Meeting; attend both the Allee welcoming dinner on the evening before the competition day and the banquet during the Annual Meeting. The spoken portion of the competition is limited to 18 students. If more than 18 students enter, the Allee Judges will select the best 18 submitted papers for the spoken paper session and further eligibility. Four (4) copies of a written version, or an electronic version in PDF format, of no more than seven double-spaced text pages, and no more than a total of four tables and/or figures (this limit does not include abstract, references, or acknowledgments) must be received by ABS 2nd President Elect Susan Foster, Department of Biology, Clark University, 950 Main St., Worcester, MA 01610-1477 USA. Phone (508) 793-7204, E-mail: sfoster@clarku.edu. Electronic submission is strongly preferred. If you do not receive acknowledgement of receipt within 7 days, please send a follow-up query. Papers should be formatted using the instruction for authors for a research paper in the journal *Animal Behaviour*.

(http://www.elsevier.com/wps/find/journaldescription.cws_home/622782/authorinstructions).

Deadline for receiving papers is the same as for abstract submissions for the annual meeting. If significant new results arise after submission, students may submit a one-page addendum to their papers up to 30 days before the first day of the Annual Meeting. Questions should be addressed to Dr. Susan Foster, E-mail: sfoster@clarku.edu.

GENESIS AWARD POSTER COMPETITION

Undergraduates who submit posters for presentation at the annual meeting of the Animal Behavior Society are automatically entered in the Genesis Award poster competition unless they indicate they do not want to be included in the competition when they submit their abstract. Judging criteria include significance of the research topic, research methods, research results, and presentation. Presentation encompasses the student's oral discussion with the judges and the poster itself, including clear statements of the questions and results, demonstration that there has been appropriate literature review, good organization and visual appeal. Students should be prepared to demonstrate a mastery of their subject material. A complete set of judging criteria can be found at the ABS Education Committee website, under Career Development.

UPDATED GUIDE TO PROGRAMS IN ANIMAL BEHAVIOR AVAILABLE

An updated PDF version of the *Guide to Programs in Animal Behavior* has been posted to the web (see <http://www.animalbehavior.org/ABSEducation>). The Guide is intended to aid students interested in pursuing undergraduate or graduate opportunities in animal behavior. It is meant as a **first step** in choosing an appropriate program. While the Guide focuses on graduate programs, undergraduates should also find the information helpful since most universities with significant graduate programs will also have undergraduate courses and electives taught by animal behavior faculty.

Each program listed in the Guide contains:

- a) A general overview of the program, including specialized focus(es);
- b) Web page URL for additional program information;
- c) Degrees offered;
- d) Special facilities of interest to animal behavior researchers;
- e) Application deadline information;
- f) Contact information for queries.

Listings are organized by country, state/province, and institution. Entries are program-level (i.e., a university offering degree-granting programs through both Biology and Psychology will have two listings). Currently the listings include institutions in the US and Canada. We will add institutions in Mexico, Central and South America in future versions. Our intent at this stage is to make a base guide available and expand/correct listings on a continuing basis. Please send corrections, deletions, or new programs for the

Guide to the Education Committee chair, Dr. Becky Talyn, btalyn@csusb.edu. Depending upon demand, we may make a printed version available through the Central Office (aboffice@indiana.edu) in 2009. A searchable online version of the Guide is in the works now and should be available soon. Contact Shan Duncan at aboffice@indiana.edu.

JOIN AN ABS COMMITTEE!

Would you like to volunteer for one of the society's active committees? This is an important and rewarding way to participate in the business of the society, and we need your help! Committees include Membership, Policy, Public Affairs, Education, Latin American Affairs, Conservation, Animal Care, Film and others.

Contact ABS President Molly Morris, Department of Biological Science, Ohio University, Athens, OH 45701, USA. Phone: (740) 593-0337, E-mail: mormism@ohio.edu.

OPPORTUNITIES

JOB ANNOUNCEMENTS

Cornell Lab of Ornithology, Ithaca, New York Macaulay Library Director Position

Jack Bradbury will be retiring in July 2009 as Director of Macaulay Library at the Cornell Lab of Ornithology. A search is now underway to fill this position which provides an endowed professorship in both the Lab of Ornithology and the campus Department of Neurobiology and Behavior. For further details on the position and directions for applications, see <http://www.ohr.cornell.edu/jobs> (Posting #08226) or contact Dr. Irby Lovette (email: ij12@cornell.edu).

Evolutionary Biologist, Ohio University

The Department of Biological Sciences, Ohio University in Athens invites applications for a tenure-track Assistant Professor in **Evolutionary Biology**. We seek to hire a candidate whose research interests complement the current strengths within the department and who would contribute to the climate of diversity in the College. Applications will be accepted from candidates working with animal systems, across the entire range of this discipline. The department particularly encourages applications from individuals working in the areas of phylogenetics, comparative biology and/or animal behavior. A Ph.D. is required in a related area and postdoctoral experience is preferred.

Applicants should submit their CV, statements of research interest and teaching philosophy, and up to 5 reprints/preprints to the following link: **www.ohiouniversityjobs.com/applicants/Central?quickFind=54986**. They should also arrange to have three letters of recommendation sent to Evolution Search, Department of Biological Sciences, Ohio University, Athens OH 45701. Review of applications will begin December 1st, 2008 and continue until the position is filled. Ohio University is a Research-Extensive institution, enrolling 19,500 students on the Athens campus, and is home to the Ohio Center for Ecology and Evolutionary Biology (www.ocees.ohio.edu), an interdisciplinary group of faculty from departments across the University. Women and minority candidates are strongly encouraged to apply.

2010 ABS MEETING

Organizing Symposia and Paper Sessions

To organize a symposium, an invited paper session, or a workshop for the ABS Annual Meeting, you should contact the Senior or Junior Program Officers to discuss your ideas. We will first make sure that there are no potential conflicts with the topic that you are considering. Then we will ask you to prepare a pre-proposal and submit it to the Junior Program Officer. Organizers often find that consultations with the Program Officers are helpful when drafting the pre-proposal. The pre-proposal should be a page or two summarizing your intent for the session, and suggesting potential participants.

A symposium should be a profound and stimulating review of an important subject area that currently is a major focus of research. It should be a thorough treatment of past work and current research advances, and should be of general interest to the majority of ABS members.

An invited paper session is a special grouping of papers that focus upon empirical results relating to a particular topic. Usually there is no all-encompassing historical-theoretical perspective, although the organizer(s) may wish to summarize the individual papers or arrange them according to some theme.

Pre-proposals for the 2010 meeting are due before the annual meeting in Brazil in 2009 and will be circulated to the Executive Committee prior to the Annual Meeting and then discussed at the EC meeting.

The 2010 meeting is scheduled for 25-31 July. The JPO encourages potential organizers to begin discussions about proposals for that conference. Further

information can be found on the ABS website or by contacting the ABS Program Officers: Dario Maestriperi, Evolutionary Biology and Neurobiology, The University of Chicago, 5730 S. Woodlawn Ave., Chicago, IL 60637, Phone: (773) 834-4104, Email: dario@uchicago.edu, and Diana K. Hews, Department of Ecology & Organismal Biology, Indiana State University, Terre Haute, IN 47809, Phone: (812) 237-8352, Fax: (812) 235-2526; Email: dhews@indstate.edu.

**CALL FOR SYMPOSIA XXXI INTERNATIONAL
ETHOLOGICAL CONFERENCE
19-24 AUGUST 2009
Rennes, Brittany, France**

The 31st International Ethological Conference will be held in Rennes, France, from 19 to 24 August 2009 (<http://iec2009.univ-rennes1.fr>). The conference will be organized around Tinbergen's four questions, with an emphasis on research problems and programs that link ethology with other disciplines. Each day's scientific program will consist of a coordinated set of plenary lectures, symposia, round table discussions, in addition to oral and poster sessions.

We invite individuals and groups to submit proposals for symposia for the 31st IEC. We encourage scientists to consult the conference website for details about themes and goals of the conference, and to propose symposia that will advance the interdisciplinary and cross-disciplinary themes of the conference. We especially welcome symposia organized by two or more scientists from different countries and/or disciplines.

Proposals for symposia will be reviewed by a scientific committee, which will evaluate the quality of each symposium, the quality of each of the individual talks, and the extent to which the symposium will complement the overall themes of the conference.

In order to synchronize symposia talks and allow delegates time to move between rooms, each symposium will include 4 invited talks (15 min + 2 min for questions each), one 5 min introduction by the organizers and 5 min at the end for general discussion. Each individual or group of individuals can submit a proposal for one symposium; if two or more groups propose symposia on similar or broadly overlapping topics, the scientific committee will work with the different sets of organizers to assemble a symposium that includes the best elements from the different proposals. Conveners are invited to submit a list of 4 invited speakers for their symposium; the scientific

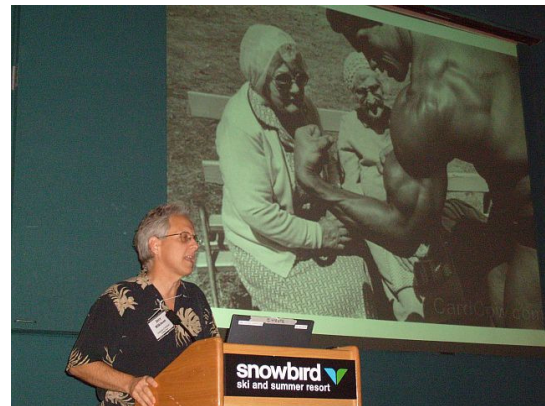
committee may also suggest alternative speakers for specific topics.

Each set of organizers will be allowed to submit one proposal for a symposium. Because of time limitations, individuals who are giving a symposium talk will not be allowed to present another oral presentation during the conference, but they will be able to submit a poster.

Proposals for Symposia should be sent to: iec2009@univ-rennes1.fr with the following information:

A. Information on the symposium: (1) Title of the symposium, (2) Name(s), institution/affiliation, address(es) and email address(es) of the organizer(s), and (3) Description of the goals of the symposium, why this particular topic is timely and important, how this symposium will further the general goals of the conference, and why this topic will be of interest to the IEC participants (500 words maximum)

B. Information on the proposed talks for each of the speakers in the symposium: (1) Preliminary title of the talk, (2) Name, institution/affiliation, address and email address of the speaker, and (3) Abstract for the talk (350 words maximum for each talk). **The deadline for submission is 15 December 2008.**



Past President Gerald Wilkinson presenting a talk about... sexual selection (??), behavioral endocrinology (??) at the Academic Karaoke promoted during the 2008 ABS meeting at Snowbird.

**SCAW WINTER CONFERENCE
8-9 DECEMBER 2008
San Antonio, Texas**

SCAW's Winter Conference "Animal Behavior, Welfare & Science: IACUC Roles" will be held in

beautiful downtown San Antonio on December 8-9, 2008. The historic Menger Hotel will house this educational two-day event and is only minutes from the Riverwalk. Registration is now open. Pre registration is required for this meeting. The registration form must be completed and returned to SCAW by November 26, 2008. For program and more information visit the links: <http://www.scaw.com/conference.htm>
<http://www.scaw.com>.

Co-sponsored with The University of Texas Health Science Center-San Antonio, The Office of Laboratory Animal Welfare/NIH/DHHS and The United States Department of Agriculture/Animal and Plant Health Inspection Service/Animal Care.

MEETINGS

ANIMAL BEHAVIOR SOCIETY ANNUAL MEETINGS

2009: 22-26 June, Pirenópolis, Brazil
2010: 25-31 July, The College of William and Mary, Williamsburg, VA

OTHER US MEETINGS

2008: 9th National Conference for Science, Policy and the Environment: Biodiversity in a Rapidly Changing World, 8-10 December. Check for details at the site: <http://ncseonline.org/conference/biodiversity/>

2009: Society for Integrative Comparative Biology, 3-7 January, Westin Boston Waterfront Hotel, Boston, MA. For meeting details, check the conference website: <http://www.sicb.org/meetings/2009/index.php3>.

2009: Society for Behavioral Neuroendocrinology, Annual Meeting, 24-27 June, Michigan State University, East Lansing, Michigan. (The website is not available yet for this meeting.)

2010: American Association for the Advancement of Science (AAA), 18-22 February, San Diego, California.

2011: American Association for the Advancement of Science (AAA), 17-21 February, Washington, DC.

INTERNATIONAL MEETINGS

2009: 1st International Symposium on Bat Migration, 16-18 January, Berlin, Germany. More information at: www.izw-berlin.de.

2009: 11th Meeting of the German Society of Primatology, 24-26 February, Hanover, Germany. More information at www.gfp2009.de.

2009: 31st International Ethological Conference, 19-24 August, Rennes, France. For meeting information, see the conference website: <http://www.iec2009.univ-rennes1.fr>.

2009: 12th European Society for Evolutionary Biology Congress, 20-25 August, Torino, Italy. Check for details at: www.eseb.org.

2010: 13th International Behavioral Ecology Congress, 26 Sept-1 Oct, Perth, Australia. For meeting details, check the conference website: www.isbep Perth2010.com.

2010: 25th International Ornithological Congress, 22-28 August, Campos do Jordão, Brazil. Additional details at <http://www.ib.usp.br/25ioc>.



From left to right: Jennifer Clark (Development Committee), Chris Evans and Mertice Clark at the 2008 ABS meeting banquet, at Snowbird.

CANDIDATES FOR THE 2009 ELECTION OF ABS OFFICERS

The order in which candidates are listed may influence voting. Please avoid this bias in making your choice. This year the candidates are listed in alphabetical order

Second President-elect:

Christine Boake

Education. B.S. 1973, University of Wisconsin, Madison; Ph.D. 1982, Neurobiology and Behavior, Cornell University; Postdoctoral Fellow, 1981-1986, University of Chicago.

Current Position. Program Director, NSF, Population and Evolutionary Processes, and Professor, Department of Ecology & Evolutionary Biology, University of Tennessee, Knoxville.

Immediate Past Position. Head, Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville (2002-2008).

Research Interests. Sexual selection, behavior genetics, behavioral isolation and speciation, animal signals, behavioral plasticity.

ABS and related activities. ABS: member since 1973; Education Committee 1983-1986; Member at Large 1993-1996; elected ABS Fellow 1999; Quest Award 2000; Allee Award Judge 2007. ABS symposia organized: "Quantitative Genetic Analyses of the Evolution of Behavior" (1990, with A. Hedrick); "Behavior Genetics for the Next Decade: Beyond Heritability" (2001). Workshop participation: "Women in Ecology and Evolution" (University of Kentucky 1998); ABS "Ethoinformatics" (Indiana University, 2002); NSF "Biotechnology and the Integration of Behavioral Science" (1998); "Metadata I and II" (Cornell Laboratory of Ornithology, 2002, 2004); NIH workshop "Behavior and Molecular Genetics" (2007). Organizer, NSF workshop "Biotechnology and the Integration of Behavioral Science - II", 2000. Participant, first Gordon Conference on Behavior Genetics (2004). Editorial board memberships: *Anim. Behav.* (1996-1997), *J. Insect Behav.* (1996-2007), *Am. Nat.* (2000-2004), *J. Evol. Biol.* (1997-2000). Member, NSF Panels for Animal Behavior, Population Biology, Dissertation Improvement Grants.

Joan Strassmann

Education: B.S. 1974, University of Michigan, Ann Arbor; Ph.D. 1979, Zoology, University of Texas at Austin; Postdoctoral Fellow, 1980, University of Texas at Austin, Austin, TX.

Current Position: Harry C. and Olga K. Wiess Professor and Department Chair, Department of Ecology and Evolutionary Biology, Rice University, Houston TX.

Research Interests: Social evolution, genetic conflicts of interest, cooperation, social amoebae and social insects

ABS and Related Activities: ABS member since about 1980; elected ABS Fellow 2002; American Academy of Arts and Sciences Fellow, 2008; American Association for the Advancement of Science, Fellow 2004; John Simon Guggenheim Fellow 2004; elected Honorary Member, Italian Association of Social and Presocial Arthropods 2007, Editorial Boards, *Ecology*, *Ethology*, and *Evolution*, 2006 – present; *BMC Evolutionary Biology*, 2005 – present; *Journal of*

Evolutionary Biology, 2005 - present; *Ecology Letters*, 2004 - 2007; *Insectes Sociaux* 2000 – 2006; *American Naturalist* 2000 - 2003; *Animal Behaviour* 1995 - 1997; NSF Service: Workshop on Frontiers in Evolution, 2007; NSF Panel Member: Dissertation Improvement-Animal Behavior, 2007; Frontiers in Biological Research, 2005, 2007; Animal Behavior 2001; Minority Postdoctoral Fellowships 2003, 2004; Molecular Evolution Postdoctoral Fellowships 1994 – 1996, Population Biology and Physiological Ecology 1988-1990; Committee of Visitors for Population Biology and Systematics 1993; NIH Workshop on Genes and Behavior 2007; International Union for the Study of Social Insects (IUSI), Nomination Committee, 2003, Meeting Organizing Committee, 2006, North American Section, President Elect 2000, President 2001; Poster Judging Panel, ABS 1986; Organized symposium on Nestmate Recognition in Social Insects for the Entomological Society of America and IUSI, 1981.

Executive Editor

Michelle Pellissier Scott

Education: BA Wellesley College 1961; PhD Harvard University 1984; Biology, Mary Ingraham Bunting, Science Fellow, Radcliffe College 1987-1988.

Current Position: Professor, Department of Biological Sciences, University of New Hampshire.

Research Interests: Sexual selection, evolution of parental care in insects, hormones and behaviour, proximate mechanisms promoting parental care.

ABS and Related Activities: ABS member since 1984; Editor, *Animal Behaviour* 2007- ; Member-at-large 1997-2000; Student research grants competition 2000; Symposium co-organizer (with S. Trumbo) for ABS meeting 1998 (Endocrine studies of invertebrate social behavior) and Northeast Regional Animal Behavior meeting 1989 (Reproductive ecology of burying beetles); host of Northeast Regional Animal Behavior Society Meeting, 1994; Allee competition judge 1991, 1994; Founders' Poster award judge 2007.

William A. Searcy

Education: B.A. 1972, University of California, Berkeley; Ph.D., 1977, University of Washington; Postdoctoral Fellow, 1978-1981, Rockefeller University.

Current Position: Maytag Professor of Ornithology, Department of Biology, University of Miami.

Research Interests: Animal communication, sexual selection, evolution of mating systems.

ABS and related activities: ABS member since 1976; elected ABS Fellow 2003; Editor *Animal Behaviour*

2005-2008; NSF Animal Behavior panel 1995-1998, 2005; Associate Editor, Behavioral Ecology and Sociobiology, 1994-2005, 2008.

Treasurer:

Gwen Bachman

Education: B.A., Ecology, Evolution & Behavior, 1983, University of California, San Diego; PhD 1992, Biology, University of California, Los Angeles.
Current Position: Associate Professor, School of Biological Sciences, University of Nebraska, Lincoln.
Research Interests: Physiological ecology and behavioral energetics.
ABS and Related Activities: ABS member since 1991.

Philip K. Stoddard

Education: B.A. Biology 1979, Swarthmore College. Ph.D. 1989, Animal Behavior, University of Washington; Postdoctoral training, 1989, Neural Systems & Behavior, Marine Biological Laboratory (MBL); Postdoctoral Fellow, 1990-1992, Neurobiology & Behavior, Cornell.
Current Position: Professor, Dept Biological Sciences, Florida International University, Miami.
Research Interests: Evolution, development, endocrinology, and neurobiology of communication.
ABS and related activities: ABS member since 1982; ABS Junior Program Officer 2001-2003, Senior Program Officer 2003-2005; ABS symposium co-organizer (with S. Nowicki) of "New Perspectives on Mechanisms of Evolution in Communication Systems". NSF Animal Behavior panel, NSF IGERT panel; NIH-NIGMS Neurobiology Study Section. Of particular relevance to the job of treasurer, and to the continual bewilderment of my wife, I balance our joint accounts to the penny every month.

Junior Program Officer:

Maydianne C.B. Andrade

Education: B.Sc. 1992, Biology, Simon Fraser University; M.Sc. 1995, Zoology, University of Toronto Mississauga; PhD 2000, Neurobiology & Behavior, Cornell University.
Current Position: Associate Professor and Canada Research Chair in Integrative Behavioural Ecology, University of Toronto Scarborough.
Research Interests: Sexual selection, mating strategies, mating investment, plasticity.
ABS and Related Activities: Joined ABS in 1992; Presenter at ABS Public Education Night (39th Annual meeting, 2002); Referee for ABS Diversity Fund Grant

Applications, 2003; Co-founder of Integrative Behaviour & Neuroscience Research Group, 2000 (University of Toronto Scarborough); Local Organizing Committee for Invertebrate Sound & Vibration Meeting, 2006 (University of Toronto Scarborough); Local Organizing Committee for the First General Meeting of the Canadian Society for Ecology & Evolution, 2007 (University of Toronto); Local Organizing Committee and Plenary symposium organizer for 2009 meeting of the Canadian Society of Zoologists; Local host for International Colloquium on the Integrative Behavioural Ecology of Arachnids (planned for August 2011); ISBE congress abstract referee, 2008; Associate Editor, the American Naturalist 2008 – 2011; Councillor, the ISBE, 2008 – 2012.

Peter O. Dunn

Education: B.S. 1981, University of Maine; M.S. 1983 Colorado State University; Ph.D. 1989, Zoology, University of Alberta; Postdoctoral Fellow, 1989-1992, Queen's University (Ontario); 1992-1995, Australian National University; 1995-1996, Louisiana State University.
Current Position: Associate Professor of Biology, University of Wisconsin-Milwaukee.
Research Interests: Behavioral ecology, sexual selection, conservation and behavioral genetics, effects of climate change on life history.
ABS and related activities: ABS member since 1995; Member, NSF Panels in Animal Behavior 2005, 2006; Student Awards committee of the American Ornithologists' Union 2000-03; Associate Editor for Evolution 2001-03; Elected Fellow of American Ornithologists' Union, 2006.

Member at Large:

Mertice Clark

Education: McMaster University, Canada: BA, 1967; PhD in Psychology, 1975; Postdoctoral fellow, 1975-1977, University of Toronto.
Current Position: Professor (Adjunct), Department of Psychology, Neuroscience and Behaviour, McMaster University, Canada.
Research Interests: Maternal effects, phenotypic plasticity, paternal care, mating strategies and cooperative breeding, sex ratio.
ABS and related activities: Long-time ABS attendee; reviewer for Animal Behaviour, Developmental Psychobiology, J. of Comparative Psychology, Physiology and Behavior; Psychoneuroendocrinology, Proceedings of the Royal Society.

Scott Forbes

Education: B.Sc. 1981, University of British Columbia.; M.Sc. Zoology 1985, University of Manitoba; Ph.D. Biological Sciences 1990, Simon Fraser University; Post-doctoral Fellow: Simon Fraser University, 1990; University of Oklahoma, 1991-92.

Current Position: Professor, Department of Biology, University of Winnipeg.

Research Interests: Conflict and cooperation within the family; investment theory; evolution of social behaviour; fish population dynamics.

ABS and Related Activities: ABS member since 1988; ABS Student Research Grants Committee; North American Editor of *Ethology*, 2003-08; Editorial Board, *Behavioral Ecology*, 2001-07; Reviewer for 34 journals & 5 National Granting Agencies.

DID YOU KNOW?

Purchases via the [Amazon.com](http://www.amazon.com) or Powell's Books links on our web pages contribute up to 7.5% of the total to ABS. If you have books to order and would like to contribute to the society's efforts at the same time, please use the links.

See <http://www.animalbehavior.org/> for details.

ABSnet
THE ELECTRONIC MAIL NETWORK OF THE ANIMAL BEHAVIOR SOCIETY

ABSnet provides a fast electronic forum for animal behaviorists, and others interested in the study of animal behavior, in a digest or newsletter form. ABSnet provides job announcements, requests-for-information, computer-related news (e.g. virus and bug alerts), appropriate software and hardware reviews, and news of Society activities and business. ABSnet is not an interactive, listserv-type discussion group, but rather a moderated forum for the exchange of information of interest to animal behaviorists. The digest or newsletter does not replace the official Society hard-copy newsletter sent to all Society members via regular mail. Questions? Let me know! James C. Ha, University of Washington jcha@u.washington.edu. To SUBSCRIBE to ABSnet, go to: <http://www.animalbehavior.org> and click on the News and Announcements link at left, then the Subscribe/Unsubscribe link under ABSNet and fill out the Web-based form. Links to post an article or view the archives are also available.

NOTICE!

Issues of the ABS Newsletter are published *first* on the ABS Web page. To get ABS news *fast*, point your browser to: <http://www.animalbehavior.org/> and select News and Announcements from the left menu.

**MAIL BALLOTS IN AN ENVELOPE BEARING YOUR NAME TO:
REGINA MACEDO, ABS SECRETARY, DEPARTAMENTO DE ZOOLOGIA – IB,
UNIVERSIDADE DE BRASILIA, BRASILIA, D.F., 70910-900 BRAZIL
OR BY E-MAIL TO: rhfmacedo@unb.br**

BALLOTS RECEIVED AFTER 31 JANUARY 2009, CANNOT BE COUNTED

You may cast write-in votes. We are electing five officers (terms begin at the end of the annual meeting). All ABS members (regular members, student members, joint members, and active fellows) may vote. Results will be announced in the February newsletter. All ballots will be destroyed after they are verified and counted.

ABS OFFICERS

Vote for one candidate for each office by placing an X in the blank following your choice. The candidate with the most votes will win the election. In case of a tie, a run-off election will be held.

FOR SECOND PRESIDENT-ELECT:

Christine Boake _____
Joan Strassmann _____
Write-in _____

FOR EXECUTIVE EDITOR:

Michelle Pellissier Scott _____
William Searcy _____
Write-in _____

FOR TREASURER:

Phillip K. Stoddard _____
Gwen Bachman _____
Write-in _____

JUNIOR PROGRAM OFFICE:

Maydianne Andrade _____
Peter Dunn _____
Write-in _____

FOR MEMBER-AT-LARGE:

Mertice Clark _____
Scott Forbes _____
Write-in _____

**The order of listing of candidates may influence voting. Please avoid this bias in making your choices.
This year the candidates are listed in alphabetical order.**

RETURN THIS BALLOT NO LATER THAN 31 JANUARY 2009.

Distinguished Teaching Award Call For Nominations Form

To nominate a colleague for the ABS Distinguished Teaching Award (one of the career awards), answer as many of these questions as you can. Use the back if you need more space, and feel free to attach additional pages as required. Department chairs, directors, supervisors, or colleagues may be helpful sources for some of this information if you are not at the same institution as the person you are nominating. Please submit by March 31, 2009 to: Dr. Penny L. Bernstein, Assoc. Prof. Biological Sciences, Kent State University Stark Campus, 6000 Frank Avenue, N. Canton, OH 44720. The Education Committee will solicit supporting materials, including those indicated in nominating letters (e.g., a teaching CV, documentation of other teaching awards, peer and student evaluations, additional references, evidence of innovation in curriculum development, development of educational tools, programs, or multimedia products, or other appropriate indicators of superior educating).

Name of Nominee: _____

Do you know that the nominee is a current member of ABS? (NOTE: Nominees must be current members of ABS, and current officers and committee chairs are not eligible; we can check if you are unsure).

Yes No

Nominees must have demonstrated a sustained record of highly effective and innovative teaching in the classroom or in an informal education setting (e.g., zoos, aquaria, museums, 4-H programs, research labs and field stations, and environment centers).

In what setting does the nominee teach animal behavior, and what evidence can you provide that this teaching is highly effective and/or innovative?

Nominees should have a reputation among peers and students for sustained excellence in educating people about animal behavior. What evidence can you provide that this nominee has such a reputation?

If possible, please provide names of at least two additional peer reviewers:

If possible, please provide names of at least two current or former students or program participants.

If this is a re-nomination, what was the date of the original nomination?

Please also include any new information you feel might be helpful to the committee.

Name of Nominator: _____

Signature of Nominator: _____ Date: _____