



NEWSLETTER

Animal Behavior Society

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Molly R. Morris Secretary

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2004 ANIMAL BEHAVIOR SOCIETY STUDENT RESEARCH GRANT AWARDS

ABS is pleased to announce the awardees of the 2004 Animal Behavior Society Student Research Grants. The award winners were selected from a highly competitive pool of 100 proposals which addressed a very broad range of topics within the field. This year we were able to provide either partial or full support for 25 projects. The successful applicants, their academic affiliations, and the titles of their research proposals are provided below. Congratulations!

I would like to thank the members of the SRG Committee for their efforts in reviewing proposals: Gwen Bachman, Dan Cristol, Anne Eggert, Robert Gibson, Lynette Hart, Melissa Hughes, Douglas Mock, Jan Murie, Steve Nowicki, Gail Patricelli, Jennifer Templeton and Karen Wiebe. Thanks also to Shan Duncan and Steve Ramey of the ABS Central Office for their facilitation of the proposal submission and review process, and to all of the ABS members who have donated funds to this program

Dr. Trish Schwagmeyer
Senior Member-at-Large
Chair, 2003-2004 Student Research Grant Committee

AWARDEES:

Rindy Anderson, University of Miami. The cardiac response as a measure of song perception in male song sparrows (*Melospiza melodia*).

Karen Marie Cavey, University of Illinois. Parental care and parentage in American robins (*Turdus migratorius*): the influence of female behavior.

Barbara Ann Clucas, University of California at Davis. Interspecifically acquired substances: snake scent application in ground squirrels.

Tagide DeCarvalho, University of Maryland. The function of nuptial feeding in the Hawaiian cricket, *Laupala cerasina*, and its role in mating effort, paternal investment and direct benefits to females.

Elizabeth P. Derryberry, Duke University. The impact of culture and selection on vocal performance: implications for song evolution.

Renée Ann Duckworth, Duke University. Proximate cause of a fitness cost to competitive behavior in western bluebirds.

Steffen Foerster, Columbia University. Effects of competition on behavior and stress physiology of Sykes' guenons.

Julie Christine Garvin, University of Wisconsin at Milwaukee. Extra-pair mate choice and immune response in common yellowthroats.

Britt Heidinger, Indiana University. The influence of age on the glucocorticoid stress response in the common tern *Sterna hirundo*.

David Kabelik, Arizona State University. Possible neural mechanisms for steroidal control of aggressive behavior.

John H. Malone, University of Texas at Arlington. Genetic basis for female preference and behavioral isolation in *Drosophila*.

Jennifer L. Maupin, Princeton University. Fitness consequences of polyandry in orb-web spiders.

Colleen M. McLinn, University of Minnesota. The economic basis of animal information use and communication.

Emily Stuart Minor, Duke University. The effects of urbanization on forest songbirds: scaling behavior up to the landscape.

John Morgan Ratcliffe, University of Toronto. The sensory ecology and evolution of sulfur preference in nectar-feeding bats: from social transmission to plant-pollinator mutualism?

Matthew W. Reudink, Villanova University. Do Extra-pair Fertilizations Confound Measures of Reproductive Success in a Chickadee Hybrid Zone?

Dustin R. Rubenstein, Cornell University. Sexual Conflict and Extrapair Paternity in the Plural Cooperatively Breeding Superb Starling, *Lamprolaima superbus*.

Megan Seifert, Washington State University. Reproductive Physiology of Monteiro's Hornbill, a Bird With Unique Parental Strategies.

(Continued on next page)

Christa D. Skow, University of Massachusetts.
Jumping spiders and aposematic prey: testing the ecological consequences of a context shift effect during learned avoidance.

Chad Christopher Smith, University of Kentucky.
Testing for sexual conflict over mating in *Gambusia affinis*.

Jason M. South, University of Maryland. Behavioral Responses of Bornean Treeshrews to Selective Logging on Borneo.

Laura Henderson Spinney, Princeton University. Endocrine mechanisms mediating alternative mating strategies in the White-throated Sparrow (*Zonotrichia albicollis*).

Helen Temple, Cambridge University. Benefits of helping in the white-breasted thrasher, *Ramphocinclus brachyurus*.

Jennifer Man-Ling Wang, University of California at Berkeley. Does Microbial Infection Limit the Viability of Wild Bird Eggs?

Matthew A. Wund, University of Michigan. Learning and the Development of Plastic Bat Echolocation.

2004 CETACEAN BEHAVIOR AND CONSERVATION AWARD RESEARCH GRANTS

Three applications were received for the 2004 CBC Research Award. The applications were reviewed by Hugh Drummond, Lynette Hart and Janet Mann. Congratulations to **Sean F. Hanser**, Dept. Veterinary Medicine, UC Davis and **Laura Johanna May Collado**, Dept Biology, Florida International University who both received awards.

2004 EDWARD O. WILSON ABS CONSERVATION AWARD

Jason South, student at the University of Maryland, College Park, is the 2004 recipient of the Edward O. Wilson ABS Student Research Grant for Conservation. This prestigious award seeks to encourage graduate students of animal behavior to participate in meaningful conservation-related research. The award is part of the ABS Student Research Grant Program and it supports a proposal considered meritorious for its science and conservation component. Congratulations to Jason for his proposal "Behavioral Responses of Bornean Treeshrews to Selective Logging on Borneo".

LATIN AMERICAN TRAVEL AWARDS

Recipients of the ABS Latin American Travel Awards will be acknowledged in the next newsletter.

DIRECTION OF CORRESPONDENCE

ABS Newsletter and general correspondence concerning the Society: Molly R. Morris, Department of Biological Sciences, Ohio University, Athens, OH 45701, USA. morrism@oak.cats.ohiou.edu. Deadlines are the 15th of the month preceding each Newsletter. The next deadline is 15 July 2003. 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 Web Site:

<http://www.animalbehavior.org/>

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MEETINGS

ANNUAL MEETINGS ANIMAL BEHAVIOR SOCIETY

2004: 12-16 June in Oaxaca, Oaxaca, Mexico

2005: 6-10 August at Snowbird Ski Resort, UT

2006: 12-16 August at Snowbird Ski Resort, UT

Please see ABS website 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 (eg. 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 hardcopy 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/ABS/Announcements/> click on 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.

OPPORTUNITIES

The Secretary reminds you that a time lag exists between my receipt of advertisements and the publication of the Newsletter. Positions listed here may already be filled. Please contact those offering opportunities before applying.

Ph.D. SCHOLARSHIP IN ANIMAL COMMUNICATION, University of Canterbury -- We are seeking a Ph.D. student to study mechanisms of social communication in archaic New Zealand frogs (genus *Leiopelma*). These frogs are "living fossils" that have remained virtually unchanged over the past 200 million years and never evolved bioacoustic signalling systems. *Leiopelma* are extremely long-lived, do not stray far from small home ranges, and repeatedly interact with the same individuals. These conditions foster the formation of complex social networks, which might be structured through chemical signalling. The project takes an integrative approach and makes use of microsatellite analyses to investigate genetic relatedness, chemical methods to characterise the signals, and field studies to examine how communication occurs in natural populations. For further background, see Behavioral Ecology 15 (1): 88-93 (2004).

The scholarship is supported for three years by the Marsden Fund (Royal Society of New Zealand) and includes a \$19,000/year tax-free stipend, full international tuition/fees, and generous support for research expenses. The University of Canterbury has a strong programme in behaviour, ecology, and evolution, as well as excellent facilities in chemistry and molecular genetics. To apply, send your Curriculum Vitae, a letter detailing your experience and career goals, and contact details for three referees, preferably by 15 June 2004 to Bruce Waldman, School of Biological Sciences, University of Canterbury, Private Bag 4800, Christchurch, New Zealand. Voice: +64 3 364 2066; FAX: +64 3 364 2590; Email: Bruce.Waldman@canterbury.ac.nz.

NOTICE! For additional funding source information see <http://www.animalbehavior.org/ABS/Grants/>

ANNOUNCEMENTS

Coming Soon from Greenwood Press:
ENCYCLOPEDIA OF ANIMAL BEHAVIOR
(3 Volumes) Edited by Marc Bekoff

What is it like to be a dog, or a chimpanzee, or an ant? How do animals communicate? Why do they play? Can animals feel emotions like empathy and grief? These and many other questions are answered in the Encyclopedia of Animal Behavior, the most authoritative, comprehensive, and accessible resource on the scientific study of animal behavior. The contributors are an international group of prominent animal behavior scholars and authorities from many different disciplines, including biology, psychology, anthropology, sociology, philosophy, veterinary medicine, law, and religious studies. Entries examine a broad array of different species and behavior patterns, using techniques that range from molecular approaches to the study of behavior to analyses of individuals, populations, species, and ecosystems. Informed by the best and most recent scholarship, entries are written with the lay public in mind, and all material is explained in understandable, jargon-free language. This user-friendly resource will appeal to students and scholars of animal behavior, behavioral ecology, conservation biology, and wildlife photography, as well as animal advocates and anyone with a love for animals.

The Encyclopedia of Animal Behavior includes many features:

- Over 200 fascinating topical entries, including Friendship in Animals; Communication in Mammals, Birds, Fish, and Insects; Tool Use in Primates, Elephants, and Birds; Culture; Language; Consciousness; and Mating in Mammals, Birds, and Insects.

- Over 300 photographs, charts, and diagrams that illustrate aspects of animal behavior. Numerous sidebars on behaviors that help illuminate the more abstract and theoretical concepts.
- Entries on the usefulness of animal behavior in such careers as conservation biology, zoo research and animal care, and applied animal behavior including animal-assisted therapy in counseling and in hospitals and hospices.

More than anything else, the Encyclopedia of Animal Behavior will instill in any reader great respect and wonder for the mysteries of the animal world.

MARC BEKOFF is Professor of Ecology and Evolutionary Biology at the University of Colorado, Boulder. He has published 18 books, including the award-winning Encyclopedia of Animal Rights and Animal Welfare (Greenwood, 1998), *Minding Animals: Awareness, Emotions, and Heart* (2002), and, with Jane Goodall, *The Ten Trusts: What We Must Do To Care For The Animals We Love* (2002). Bekoff is a Fellow of the Animal Behavior Society and a recipient of its Exemplar Award for major long-term contributions to the field of animal behavior.

Greenwood Press December 2004 1200 pages in 3 volumes 7 x 100-313-32745-9; \$349.95. Pre-publication Price: \$314.96; Call: 1-800-225-5800; Fax: 1-603-431-2214; Web: www.greenwood.com

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THE CONSERVATION BEHAVIORIST VOLUME 2 NUMBER 1

The Conservation Behaviorist, an electronic biannual news-update, informs ABS members about the Conservation Committee's activities, research trends in behavior and conservation, and relevant scientific news where behavior plays an important role. Volume 2 Number 1 – Contents: Jason South receives E. O. Wilson Conservation Award, Mentors in Conservation Behavior, Animal Behavior-Conservation Related Funding Institutions, Behavior & conservation at the 2004 ABS Meetings, Developing a Carrier in Conservation Behavior, Behavioral Deficiencies and the Reintroduction of Animals into the Wild, Publications in Conservation Behavior. To access Vol. 2 No. 1, please visit the ABS Conservation Committee website

<http://www.animalbehavior.org/ABS/Conservation/cc/ConsBeh.html>