



NEWSLETTER

Animal Behavior Society

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RESULTS 1999 ABS ELECTIONS

To compensate for the late mailing of the November ABS Newsletter, all ballots received before 31 January 2000 were included in the election. A total of 314 valid ballots were cast in the 1999 election. This is approximately 11% of the membership.

The following officers were elected:

Second President Elect: Anne B. Clark

Treasurer: Nancy G. Solomon

Executive Editor: Jeffrey R. Lucas

Member-at-Large: Stephen Nowicki

Congratulations to the new officers, and thanks to all whom ran for office. The new officers will begin their terms at the end of the annual meeting in August 2000.

“Educating about Animal Behavior: A Broad Perspective” Education Symposium, ABS 1999, Bucknell University

In one of the first all-day symposia devoted to education issues at an ABS national meeting, eleven presenters at the 1999 meeting discussed a range of projects related to educating about animal behavior. The program was well attended, with close to 100 attendees per session and well over a hundred for Trish McConnell’s “applied behavior session” featuring live dogs! Chuck Snowdon ended the day with a keynote talk that emphasized how important

maintaining visibility will be to our future as a Society and as a scientific field. Summary papers from the symposium can be found at the ABS website, under the Education area.

Proposed by Penny Bernstein (Kent State University Stark Campus), in cooperation with the Education Committee, the symposium was designed to showcase a wide variety of initiatives in animal behavior education. These ranged from programs in undergraduate/graduate education, to educating pre-college teachers and students, to zoo programs, veterinary courses, public radio and television broadcasts, applied animal behavior consulting, and educational websites. It emphasized diversity and visibility. The twin goals were to increase member awareness of the diversity of initiatives, and to increase visibility of the Society by building a more unified approach to education.

After an introductory talk by Penny Bernstein, explaining the title and goals for the symposium, Martha Chaiken (Rutgers University) presented an overview of the inquiry approach to education. Through excellent examples and references, she demonstrated why this approach is seen as an increasingly important way to teach, and why animal behavior courses lend themselves particularly well to this form of “participatory learning”; they can be an excellent way to demonstrate a wide array of biological concepts and techniques.

Bob Matthews (University of Georgia) provided information about his WOWBugs project, an NSF-funded initiative that enabled him to turn his animal behavior research into a highly-successful, inquiry-based teaching program for K-12 educators. Kelly Lewis (Carolina Coastal University) also talked about educating K-12 teachers and students, summarizing a number of inquiry-based programs she developed and ran in public schools in South Carolina, working with Mary Crowe under an NSF-funded program.

Joanne Oliva-Purdy (Baltimore Zoo) presented a program that utilized the resources of the Baltimore Zoo for undergraduate and graduate training in animal behavior. David Shepherdson (Oregon Zoo) also talked about zoo utilization, presenting two of the programs developed at the Oregon Zoo, one for K-12 teachers and one for the general public visiting the zoo. The former program allows teachers to learn about animal behavior by participating in intensive courses that emphasize observing, and developing behavior projects, using animals at the zoo. The latter program encourages the public to participate in ongoing research by making observations at particular exhibits.

Michael Renner (West Chester University), chair of the ABS education committee, highlighted the current and future ABS education initiatives. These include the teaching awards, a new education area on the ABS website, possible initiatives concerned with children's literature, and a possible NSF workshop focusing on the value of animal behavior in education.

Ben Hart (University of California, Davis, School of Veterinary Medicine) discussed animal behavior in veterinary training – how he and others helped pioneer the inclusion of this topic, with the resultant recognition of a new, separate specialty in the field. Both Ben and Lynette Hart (University of California, Davis, Center for Animals in Society) provided ample evidence of the growing importance of animal behavior to clinical practice. Lynette provided an international perspective, focusing primarily on how the Japanese are attempting to increase research in human-animal interactions, an area that is also growing rapidly in this country as people seek a better understanding of their pets and help with pet behavior problems.

Trish McConnell (University of Wisconsin) picked up on this theme. She demonstrated how important the field is to members of the general public who seek help with training or with pet behavior problems. Through her demonstrations and presentation, Trish reminded the audience that applied animal behavior has had a tremendous impact on a large number of people. Trish's presentation featured two live dogs, and as far as anyone can remember, was the first time the Animal Behavior Society annual meeting has actually included live animals behaving!

Chuck Snowdon capped off the symposium with a stunning outline of what we need to think about and try to accomplish if we are to succeed long-term as a Society and as a scientific field. As he noted, the general public, teachers, and funding agencies need to

be reminded why our field is of value and why it needs to continue. Education – in all aspects – is our best bet to remain a visible, viable organization and to demonstrate to others that animal behavior is a critically important field of study.

DIRECTION OF CORRESPONDENCE

ABS Newsletter and general correspondence concerning the Society: Stephen M. Shuster, Department of Biological Sciences, Northern Arizona University, Flagstaff, AZ 86011-5640, USA. stephen.shuster@nau.edu. Deadlines are the 15th of the month preceding each Newsletter. The next deadline is 15 April 2000. 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>

Animal Behaviour: manuscripts and editorial matters: Animal Behavior Office, 2611 East 10th St., Office 170, Indiana University, Bloomington, IN 47408-2603, USA. Phone (812) 856-5541. Fax (812) 856-5542. Email: aboffice@indiana.edu.

Change of Address: missing or defective issues of *Animal Behaviour*: Animal Behavior Office, 2611 East 10th St., Office 170, Indiana University, Bloomington, IN 47408-2603, USA. Phone (812) 856-5541. Fax (812) 856-5542. Email: aboffice@indiana.edu

ABS OFFICERS

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CALL FOR RESOLUTIONS

Resolutions which deal with important and timely political or social issues that members wish to submit for the consideration of the ABS membership are requested by 15 May 2000. Submitted resolutions will be voted on at the annual business meeting at Morehouse College. Approved resolutions reflect the views of the Animal Behavior Society membership and are sent to the appropriate external agencies, organizations, or general public. Written resolutions should be sent to Dr. Linda S. Rayor, Chair of the ABS Public Affairs Committee, Department of Entomology, Cornell University, Ithaca, NY 14853. E-mail: lsrl@cornell.edu.

ANIMAL BEHAVIOR SOCIETY GRADUATE PROGRAM BULLETIN

The 1996 Animal Behavior Society Graduate Program Bulletin (Canada, Mexico and the United States), prepared by the ABS Education Committee, is once again available. It is on line at the ABS web site: <http://www.animalbehavior.org/ABS/Education/absgb96.html>. Hard copy is also available for \$8.00 from the Central Office (see direction of correspondence).

CALL FOR SYMPOSIA FOR THE 2001 ANNUAL MEETING

Symposium proposals for the 2001 annual meeting must be submitted to the Program Officer by May 1, 2000. Proposals may be submitted by e-mail or regular post to Program Officer, Emília Martins, Department of Biology, University of Oregon, Eugene, OR 97403; e-mail: emartins@evolution.uoregon.edu.

ABS AUTHORS

If you have written or edited a book pertinent to animal behavior which was published in 1999 or will have a book coming out in 2000, please send the citation and a brief synopsis of its contents to Dr. Linda Rayor, Department of Entomology, Cornell University, Ithaca, NY 14853, lsrl@cornell.edu, Chair of ABS Public Affairs Committee.

2000 WARDER CLYDE ALLEE COMPETITION

The Warder Clyde Allee Competition for Best Student Paper will take place on the second day of the 2000 Annual Meeting at Morehouse College, 5-9 August 2000 in Atlanta GA. Eligible students are encouraged to participate.

Eligibility requirements: Any independent student research (including, but not limited to, the doctoral dissertation) most of which is unpublished at the time of submission for the session 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, collection and analysis of data and interpretation of results. Only single-authored papers are eligible. Entrants cannot have completed defense of the doctoral dissertation before the preceding ABS annual meeting (July 1999) and an individual can enter the Allee Competition only once per lifetime.

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 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 written papers), present a spoken version during the 2000 Annual Meeting, attend both the Allee welcoming dinner on the evening before the competition day, and attend 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 of no more than 7 double-spaced text pages and no more than a total of 4 tables and/or figures (this limit does not include abstract, references or acknowledgments) must be received by Dr. Michael D. Beecher, ABS Allee Competition Chair, Department of Psychology, University of Washington, Seattle, WA 98195, USA by the due date for submission of abstracts for the annual meeting. **THOSE INTERESTED IN THE COMPETITION SHOULD BE SURE TO CHECK THE DEADLINE DATE FOR ABSTRACT SUBMISSIONS FOR PAPERS AT 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 Mike Beecher, (e-mail: beecher@u.washington).

ETHNIC DIVERSITY FUND STUDENT REGISTRATION FEE AWARDS

A limited number of awards will be made from the Ethnic Diversity Fund to cover registration fees for graduate students attending ABS annual meetings. Applicants must be enrolled in a graduate program at the time of application and must be members of under-represented minorities, including those living in North America who are of African, Asian, or Latin American descent and those who are of Native American heritage, citizens of Latin American countries, and non-white citizens of African countries. Awards will be made by a lottery including all valid applications received before 1 March 2000. A letter of application and a signed statement from the student's major professor confirming the student's graduate status should be directed to Marlene Zuk, Department of Biology, University of California, Riverside, CA 92521. E-mail: mzuk@citrus.ucr.edu.

2000 MEMBERSHIP RENEWALS

Renewal / Status forms for 2000 have now been mailed to all active and lapsed members with valid addresses on file. If you haven't received yours or your envelope was missing the information form or the renewal form, please contact the central office (aboffice@indiana.edu) or use the Application/Renewal form on the back of this newsletter. You may also download a form from the ABS web site at <http://www.cisab.indiana.edu/ABS/Member/index.html>. If your membership lapsed in 1999 and you wish to order 1999 journals, you may do so by paying 1999 dues (same as 2000) and note that you wish to receive 1999 journals on your form and/or check.

MEETINGS

ANIMAL BEHAVIOR SOCIETY ANNUAL MEETINGS

2000: 5 - 9 August at Morehouse College, Atlanta, GA.
2001: 16-20 July at Oregon State University, Corvallis, OR.
Watch the ABS website for details.

SUNBELT XX INTERNATIONAL SUNBELT SOCIAL NETWORK CONFERENCE

Vancouver, British Columbia April 13-16, 2000
The International Sunbelt Social Network Conference is a major forum for social scientists, mathematicians, computer scientists, and all others interested in social networks. The conference provides an opportunity for individuals interested in theory, methods, or applications of social networks to share ideas and common concerns. For complete information on the conference, contact Bill Richards School of Communication, Simon Fraser University, Burnaby, BC V5A 1S6, Canada; richards@sfu.ca; (604) 251-3272 or visit <http://www.sfu.ca/~insna>.

THE 12TH BIENNIAL EEEF CONFERENCE

(Ethology, Evolutionary and Conservation Ecology of Fishes) will be held at the University of Georgia, Athens, MAY 20-24, 2000. Four symposia are planned (Reproductive biology and conservation of minnows, Biology of self-fertilizing fishes, Evolution of parental care in fishes, and Mechanistic approaches to habitat selection in fishes). Special emphasis and encouragement will be given to contributed papers dealing with fish conservation issues. Student paper and poster awards will be given, including a new award for a paper that shows the best

application of behavior to some aspect of fish conservation. (Special Dispensation for ABS members: abstract deadline extended from March 15 to "early April"; please notify of your intent to submit an abstract). For information, visit <http://sparc.ecology.uga.edu/~helfman/eeef.html> or contact Gene Helfman, helfman@sparc.ecology.uga.edu.

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.

VOLUNTEER FIELD ASSISTANTS are needed for study of the behavioral ecology of Utah prairie dogs. Topics of research include multiple paternity, alarm calling, infanticide, communal nursing, levels of inbreeding, demography, and population dynamics. Study colony is in Bryce Canyon National Park, Utah. Field season starts 05 March and ends 10 July. Academic credit is possible, and several previous field assistants have applied research towards either senior thesis or Master's degree. Please contact John L. Hoogland, The University of Maryland, Appalachian Laboratory, Frostburg, Maryland. Telephone: 301-689-7130 (work) or 301-689-8076 (home). FAX: 301-689-7200; E-mail: hoogland@al.umces.edu

ASSISTANT OR ASSOCIATE PROFESSOR IN COGNITIVE EVOLUTION: The Institute of Cognitive Science of the University of Louisiana at Lafayette (formerly the University of Southwestern Louisiana) continues to expand its Cognitive Evolution Group located at the university's primate center. The group currently consists of two tenured/tenure-track faculty, their staff and students, and three state-of-the-art laboratories dedicated to investigating the evolution of human cognitive specializations through comparative studies of monkeys, apes, and humans. Two laboratories compare the cognitive processes and development of chimpanzees and human infants and children, and a third laboratory investigates the evolution of primate brain organization. The Institute seeks to fill a (previously advertised) third position at the Assistant or Associate Professor level, depending on the qualifications of the applicant. Applicants should hold a Ph.D. in psychology, biology, physical anthropology, linguistics or a related discipline, and must exhibit exceptional promise for empirical and

theoretical research. Applicants working in the areas of cognitive development, cognitive evolution, cognitive neuroscience (including functional imaging, adult or developmental neuropsychology, and evoked potentials), primate communication, and/or evolutionary psychology will be considered, but applicants with a strong background in evolutionary principles and a demonstrated interest in comparative research will be especially competitive. Please send a curriculum vitae, selected reprints, a short statement of research interests, and three potential references to Daniel J. Povinelli, ICS Cognitive Evolution Group, 4401 W. Admiral Doyle Drive, New Iberia, LA 70560. Those who applied to the previous ad need only send a letter indicating their continued interest in the position and any updates to their materials that they deem appropriate. The Search committee will begin the formal review of applications February 1, 2000, but applications will be accepted until the position is filled. The University of Louisiana at Lafayette is an equal opportunity/affirmative action employer. EEO#: SC2-98

RAINFOREST RESEARCH GRANTS: Grants are available for researchers interested in working in southeastern Peru in some of the world's richest lowland tropical forests. Grants support research conducted at Tambopata Research Center (TRC) or Posada Amazonas Lodge (PAL), two facilities operated by Rainforest Expeditions. Graduate students and senior researchers interested in any aspect of tropical biology or environmental studies are encouraged to apply, but preference is given to studies focusing on large vertebrates or the impacts of ecotourism. The area boasts healthy populations of large raptors, giant river otters, and tapirs along with some of the world's most diverse bird, plant and frog communities. Opportunities also exist to join the active parrot and macaw research program. Parrot research is focused on use of clay licks and macaw population management, and other possibilities abound. TRC is surrounded by large expanses of protected forest including floodplain, terra firme and bamboo forest. PAL is closer to the frontier town of Puerto Maldonado and is on a reserve established in 1988 by the Ese' eja Native Community of Infierno. With the permission of the community, studies can be carried out on land with different habitats, impact regimes and successional states. The grants provide free room and board at TRC or PA and free transportation from Puerto Maldonado. Room and board is available to assistants at a rate of \$15 per day and Rainforest Expeditions can help locate Peruvian assistants if needed. Applications are being accepted now for December 1999 - August 2000. The application deadlines is 1 July for September - December 2000 projects. To apply, please send a

resume and brief (3 page max) proposal outlining your study to Donald J. Brightsmith, Duke University Department of Zoology, djb4@duke.edu. All applications must be submitted by e-mail.

RESEARCH OPPORTUNITY IN PERU: The Asociación Cracidae and Barbara D'Achille Captive Breeding Facility seek volunteers, graduate students, veterinary students and senior researchers interested in studying the ecology, reproduction, genetics, behavior, pathology, physiology and conservation of wild or captive White-winged Guan (*Penelope albipennis*). The guan is a critically endangered species endemic to the dry forests of northern Peru. The facility houses 90 guans and is located near the species' native habitat. A pilot reintroduction project is scheduled to begin spring of next year and involvement by outside researchers is strongly encouraged. Comparative studies involving captive birds are possible as the facility also houses *Mitu salvini*, *Mitu tuberosa*, *Psophia leucoptera*, *Psophia crepitans*, *Ortalis guttata*, *Penelope jacquacu*, *Aburria pipile*, and others. Investigators will receive room, board, work space and logistical support for \$10 (US) per day. For more information please contact: LUCILA PAUTRAT, Jefa del Zoológico "Bárbara D'Achille", Torres Paz 708 - Chiclayo, Perú, Tel:(011 51 74) 22 - 4952, E-mail: cracidae@llampayec.rcp.net.pe

GRADUATE AND POSTDOCTORAL RESEARCH IN HUMAN COGNITIVE AND NEURAL EVOLUTION: The University of Louisiana at Lafayette (formerly the University of Southwestern Louisiana) has initiated a new PhD program that provides unique opportunities for studying human cognitive and neurobiological evolution. The PhD program is offered by the university's Institute of Cognitive Science, which links researchers in various university units, including the Cognitive Evolution Group, the Center for Advanced Computer Studies (CACs), and the departments of Biology, Communicative Disorders, English (Linguistics), Mathematics, Philosophy, and Psychology. The Cognitive Evolution Group is located at the university's New Iberia Research Center, a facility that houses approximately 5000 nonhuman primates, including about 300 chimpanzees. The Cognitive Evolution Group is devoted to exploring the unique characteristics of the human mind and brain through comparative studies of humans, chimpanzees, and other primate species. The Cognitive Evolution Group currently comprises three state-of-the-art laboratories: the Laboratory of Comparative Behavioral Biology (under the direction of Dr. Daniel Povinelli), which studies chimpanzee cognition; the

Child Study Center (also directed by Dr. Daniel Povinelli), which explores human cognitive development; and the Laboratory of Comparative Neuroscience (directed by Dr. Todd Preuss), which compares the cortical organization of humans, apes, and monkeys. These laboratories are supported in part by the James S. McDonnell Foundation. Financial support for graduate students is available through the Institute of Cognitive Science in the form of assistantships and fellowships. This support is awarded on a competitive basis, but the Institute currently has adequate funds to cover most students accepted to the program. Note that the Laboratory of Comparative Neuroscience is also seeking applicants for a postdoctoral position. For additional information, see the following websites, which include links to pages with more information for prospective students - ICS homepage: <http://www.louisiana.edu/Research/ICS/>; Laboratory of Comparative Neuroscience homepage: <http://www.uclouisiana.edu/~tmp8292/neuroscience/>. Or contact Dr. Todd M. Preuss, University of Louisiana at Lafayette, Institute of Cognitive Science, Cognitive Evolution Group, 4401 W. Admiral Doyle Drive, New Iberia, LA 70560; Phone: 337-482-0261; Email: tmp8292@louisiana.edu

ANNOUNCEMENTS

THE ABS EDUCATION COMMITTEE is planning for its second panel focusing on Careers in Animal Behavior: Outside Academia (tentatively scheduled for Sunday night at the annual meeting in Atlanta). We were very pleased with the great attendance (>120 folks) at our first panel on Careers in Animal Behavior, which focused on careers at different sized academic institutions and was held at the annual meeting held in Bucknell, July 1999. Jessica Young, Rick Howard, Lauren Wentz and Joanne Oliva-Purdy described not only what they do day to day but also what each of their institutions looks for in job candidates. The informal question/answer period lasted for over 30 minutes as graduate students got some great tips about applying for academic jobs. If you are interested in serving on the panel in Atlanta, or know someone who would be, please contact Mary Crowe (crowe@coastal.edu).

ENVIRONMENTAL RESEARCH INFORMATION EXCHANGE: The Committee for the National Institute for the Environment (CNIE) has launched an Environmental Research Information Exchange (ERIE) service which provides a forum for researchers, educators, resource managers, agency

decision-makers, foundation representatives, journalists, librarians and others in all environmental fields to share information and discuss issues. The service is part of the CNIE National Library for the Environment located at <www.cnie.org>. ERIE is intended for: Managers and decision-makers to present research needs (funded and unfunded) or search for expert knowledge. Researchers and students, to locate research opportunities, collaborators or funders. Funders to advertise opportunities. All to share scientific information about the environment. ERIE will provide many services to help you to find answers to your questions, solutions to your problems, and colleagues you may not know about: Bulletin Board for participants to post messages, questions and answers-organized by environmental topics. Highlights Page where selected research opportunities discussed by participants will be posted. Links and lists of funding opportunities. Outreach Service. The Committee for the National Institute for the Environment will share selected requests with its network of thousands of scientists, managers and others. For more information contact: David E. Blockstein, Ph.D., Senior Scientist Committee for the National Institute for the Environment 1725 K St. NW Suite 212 Washington, DC 20006-1401 202-530-5810 fax 202-628-4311 David@cnie.org, <http://www.cnie.org>.

ANIMAL BEHAVIOR MEDIA LIBRARY: The Education Committee of the Animal Behavior Society has established a Media Library for use in teaching animal behavior. We are now soliciting submission of high-quality photographs, line drawings, and data graphs illustrating important principles in animal behavior for use in teaching about animal behavior, and for which the submitter can grant copyright to ABS. To submit an image for the library, send the following: 1. Publication-quality photograph, line drawing, or data graph, or a digital file in some standard format (i.e., GIF or JPEG); 2. A statement saying that you are the owner of the image, and that you grant its copyright to ABS; 3. A descriptive caption, identifying the relevant species, principle, and appropriate teaching use(s) of the image; 4. Reference to one published source (e.g., article or book) providing more information about the topic addressed in the image; 5. How to give credit to the person(s) who provided the materials. To submit materials electronically, contact Michael Renner for instructions, via mrenner@wcupa.edu. Materials may also be submitted by regular mail to: Michael J. Renner Chair, ABS Education Committee, Department of Psychology, West Chester University, West Chester, PA 19383-2112

APPLICATION / RENEWAL for ANIMAL BEHAVIOR SOCIETY MEMBERSHIP

This is a (please check one):

- RENEWAL - **make any corrections beside mailing label at bottom of page.**
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 Begin my membership now (send back issues). Begin my membership January _____(year).

Phone: _____ Fax: _____ E-mail: _____

I would like ABS to send relevant mailings (e.g., ballots, renewal reminders) to me via e-mail. My correct e-mail address is _____. **YOUR E-MAIL ADDRESS WILL NOT BE SOLD OR DISSEMINATED TO OTHER ORGANIZATIONS EVEN IF YOU CHECK THIS BOX.**

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