



NEWSLETTER Animal Behavior Society

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A quarterly publication

Susan A. Foster, Secretary

Cristin Hulslander, Editorial Assistant
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RESULTS 1997 ABS ELECTIONS

357 ballots were cast in the 1997 election. This is approximately 15% of the membership.

The following officers were elected:

Second President Elect: Patricia Gowaty

Program Officer: Emília Martins

Parliamentarian: Kimberly Sullivan

Member-at-Large: James Ha

Congratulations to the new officers, and thanks to all who ran for office. The new officers will begin their terms at the end of the annual meeting in July, 1998.

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. Submitted resolutions will be voted on at the annual business meeting in Carbondale. 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, Dept. of Entomology, Cornell University, Ithaca, NY 14853. E-mail: lsrl@cornell.edu

A MESSAGE FROM THE PRESIDENT DAVID DUVALL

Some Good News and a Correction

No question about it, Marty Schein's presentation in College Park last summer on our history and some of our records at the Smithsonian Institution was wonderful! Of course, my spelling of his last name in my last note to you all was not! So do be advised: Never trust your computer's spellcheckers to save a fading memory! The effects can be, well, embarrassing. Anyway, Marty, thanks and sorry.

Upcoming and future meeting venues and possibilities are looking nice. As you might guess you'll find me in Carbondale, IL, during Lee Drickamer's ABS meeting at Southern Illinois University. Hope to see you there!

It's likewise good news that the Executive Committee has approved the bid by Michael Pereria and colleagues at Bucknell University to host a meeting for us in Lewisburg, PA, in 1999. We all appreciate their offer very much and this will be a great venue. Actually, we met there several years ago now and that was a great meeting too. And Moorehead University in Atlanta, GA, is the venue in 2000 and looks super.

Finally, possibilities beyond Atlanta are firming up nicely. The campuses involved are west and south of recent meeting venues, and I believe that you all, the membership, will be pleased when I am able to tell you more. I know that I speak for us all when I extend a genuine 'thank you' in advance to these generous and dedicated colleagues for considering my requests to host an annual ABS meeting.

Have a great spring!

REVIEWS, A NEW TYPE OF ARTICLE IN ANIMAL BEHAVIOUR

Bennet G. Galef Jr

Chris Barnard, the European Editor of *Animal Behaviour*, and Bennet G. Galef, Jr., the North American Executive Editor, have agreed to start publishing Reviews in the journal. In anticipation of that development, the description of Reviews at the end of this message will soon be appearing in the Instructions to Authors published in the back of each issue of the journal. Please note that the procedure for submission of Reviews is different from that for submission of Articles and Commentaries. Academic Press, the publishers of *Animal Behaviour*, have agreed to provide extra pages for publication of Reviews, so their inclusion in the journal will not result in any fewer pages being devoted to publication of articles.

The introduction of Reviews is an exciting development in the life of the journal and one we hope will markedly increase its usefulness to you, the subscribers. Reviews should address fundamental issues relating to behaviour and provide new insights into the subject(s) they cover. Original interdisciplinary syntheses are especially welcome. Reviews should be no longer than 6,000 words (excluding references) and should include an abstract of up to 250 words. In the first instance, a preliminary outline of up to 600 words should be sent to the European or American Executive Editor according to the geographical location of the author. The decision as to whether to proceed to a full review then rests with the Executive Editors or invited advisers. Contributions submitted on this basis will be subjected to the same refereeing process as normal manuscripts.

CALL FOR SYMPOSIA FOR THE 1999 ANNUAL MEETING

Symposium proposals for the 1999 annual meeting must be submitted to the Program Officer by two months prior to the *previous* (1998) annual meeting or by May 15, 1998. Proposals may be submitted by email or regular post to Program Officer Anne Clark. For information email aclark@binghamton.edu.

DIRECTION OF CORRESPONDENCE

ABS Newsletter and general correspondence concerning the Society: Susan Foster, Dept. of Biology, Clark University, 950 Main St., Worcester MA, 01610-1477, USA. Deadlines are the 15th of the month preceding each Newsletter. The next deadline is April 15, 1998.

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 endorsement by the ABS of the opinions expressed.

Animal Behavior Society Web Site:

<http://www.cisab.indiana.edu/ABS>

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

- **President:** David Duvall, Dept. of Zoology, Oklahoma State University, Stillwater, OK 74078, USA. E-mail: duvalld@okway.okstate.edu.
- **First President-elect:** Meredith West, Departments of Biology and Psychology, Indiana University, Bloomington, IN, 47405, USA. E-mail: mewest@bio.indiana.edu.
- **Second President-elect:** Andrew Sih, Center for Ecology, Evolution and Behavior, University of Kentucky, Lexington, KY 40506-0225. E-mail: andy@darwin.ceeb.uky.edu.
- **Past President:** Susan Riechert, Dept. of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN, 37996-1610, USA. E-mail: sriecher@utk.edu.
- **Treasurer:** Marlene Zuk, Dept. of Biology, University of California, Riverside, CA 92521, USA. E-mail: mzuk@citrus.ucr.edu.
- **Secretary:** Susan Foster, Dept. of Biology, Clark University, 950 Main St., Worcester, MA, 01610-1477, USA. E-mail: sfoster@clarku.edu.
- **Program Officer:** Anne Clark, Department of Biological Sciences, Binghamton University, Binghamton, NY, 13902, USA. E-mail: aclark@binghamton.edu.

- ✓ **Parliamentarian:** Kimberly Sullivan, Department of Biology, Utah State University, Logan, UT, 84322-5305, USA. E-mail: yejunco@cc.usu.edu.
- ✓ **Editor:** Bennett G. Galef, Jr., Dept. of Psychology, McMaster University, Hamilton, ON L8S 4K1, Canada. E-mail: galef@mcmaster.ca.
- ✓ **Members-at-Large:** Jean-Guy Godin, Department of Biology, Mount Allison University, Sackville, N.B., E4L 1G7, Canada. E-mail: jgodin@mta.ca.
Ken Yasukawa, Department of Biology, Beloit College, Beloit WI, 53511, USA.
E-mail: yasukawa@beloit.edu.
Michelle P. Scott, Dept. of Zoology, University of New Hampshire, Durham, NH 03824, USA. E-mail: mps@christa.unh.edu.
- ✓ **Historian:** Donald Dewsbury, Dept. of Psychology, University of Florida, Gainesville, FL, 32611, USA. E-mail: dewsbury@webb.psych.ufl.edu.

ABS COMMITTEE MEMBERS

Membership

- ✓ Jennifer Fewell (1999), Chair -
- Suzette Tardiff (1999) -
- Kathy Karlstead (1999) *Carlstead*
- Carole Skinner (1999) -
- Peter Smallwood (2000) -
- John Van Wetering (2000) -

Policy

- ✓ Jim Benedix (2000), Chair
- Susan Riechert (1998)1
- Andy Sih (1998)3
- Kim Sullivan (1998)4
- Jill Mateo (1998)
- George Waring (1999)
- Linden Higgens (2000)
- Matt Grober (2000)

Education

- ✓ Michael Renner (2000), Chair -
- Susan Riechert (1998)1 -
- Andy Sih (1998)3 -
- Nancy Solomon (1998) -
- Cheryl Logan (1998) -
- Tom Sproat (1998) -
- Kathleen Morgan (1998) -
- Mary Crowe (1999) -
- * Lynne Cook (1999) -
- Lauren Wentz (1999) -
- Sylvia Halkin (2000) -
- Penny Bernstein (2000) -
- Jim Krupa (2000) -

Organization and Bylaws

- ✓ Kim Sullivan (1998)4, Chair -

- Jennifer Mather (1998) -
- Maggie Hodge (1999) -
- Jennifer Clark (2000) -

Nomination

- ✓ Susan Riechert (1998)1, Chair -
- Hugh Dingle (1999) -
- Lee Drickamer (2000) -

Animal Care

- ✓ Deborah Forthman (1999), Chair
- Martin Kavaliers (1998)
- Janette Wallis (1998)
- Robert Sikes (1998)
- Merle Krause (1998) *Wizer?*
- Mark Krause (1998)
- Randall Kyes (1999)
- Dan Salden (1999)
- Sylvia Taylor (1999)
- Jennifer Weeks (2000)

Public Affairs

- ✓ Linda Rayor (2000), Chair
- Linden Higgens (1998)
- Kim Sawrey (1998)
- Laura Higgens (1998)
- Marta Hersek (2000)

Film

- ✓ Neil Mercado (2000), Chair
- Bob Woll (1998)
- Randall Wolfe (1998)
- Anne Storey (1999)
- Diselle Mora (1999)
- Deborah Martin (2000)
- Haken Cetinknya (2000) *ment?*
- David Duvall (ad hoc)

Research Grants

- ✓ Jean-Guy Godin (1998)5 Chair
- Ken Yasukawa (1999)5
- Michelle Scott (2000)5
- Chris Maher (1998)
- Martha Chaiken (1998)
- Beth Jakob (1998)
- Caldwell Hahn (1999)
- John Alcock (1999)
- Tom Jensen (1999)
- Robert Jaeger (2000)

Ethics

- ✓ Deborah Gordon (1999), Chair
- Charles Blaich (1998)
- Jeffery Walters (1998)
- Barbara Turpin (1998)
- Sarah Lewis (1999)
- Fred Dyer (1999)

Dan Cristoi (2000)
Gordon Schuett (2000)

Issues in Applied Animal

John Wright (2000), Chair
Marianne Feaver (1998)
Sheila Foran (1999)
Victoria Voith (1999)
Suzanne Hets (2000)
Peter Borchelt (2000)* Chair BPC subcommittee
Meredith West (1998)2 *
Sue McDonnell (1999) *
Kathryn Bayne (1999) *
Pam Reid (1999) *
Con Slobodchikoff (2000)*
Dan Estrep (2000)*

* Indicates members of Board of Professional Certification subcommittee (BPC)

Career Awards

✓ Susan Riechert (1998)1, Chair
Ken Yasakawa (1999)5
Michelle Scott (2000)5
Jean-Guy Godin (1998)5
Sid Gauthreaux (1998)
Stuart Altmann (1999)
Martha Chaiken (1999)
Liuda McPheron (1999)
Tom Jensen (2000)

Endowments

Ira Perelle, (2000) Chair
Laurie Hiestend (1998)
Will Gergits (1998)
Stephen Zawistowski (1999)
Paul Weldon (2000) member?

Conservation

Jim Ha (1999), Chair
Allison Alberts (1998)
Cheryl Asa (1999)
Janine Clemmons (1998) member
Guillermo Paz y Miño (1999)
Cully Nordby (1998)
Melissa Fleming (2000)
Carolee Caffrey (2000) member
Christine Hood (2000)

Investments (ad hoc)

✓ Randall Breitwisch, Chair (2000)
Jane Brockmann (1998)
Bennett Galef (1998)
Patricia DeCoursey (1998)
Robert Matthews (1998)

Developing Nations Research Grants Committee (ad hoc)

✓ Ken Yasakawa (1999)5, Chair
Jean-Guy Godin (1998)5
Michelle Scott (2000)5
Hugh Drummond (1998)
Brian Sullivan (1998)

ABS-ASAB Liaison Committee (ad hoc)

✓ Jeff Galef, (1998) Chair
Mike Beecher (1998)
Lee Drickamer (1998)
Susan Riechert (1998)
Meredith West (1998)

Legislative Liaison (ad hoc)

✓ Irene Pepperberg (1998)

Latin American Affairs (ad hoc)

✓ Zuleyma Tang-Martinez, (1998) Chair
Chuck Snowdon (1998)
Peter Narins (1998)
Giselle Mora (2000)
Gabriel Francescoli (1998)
Dwain Santee (1998)
Hugh Drummond (1998)

Liaisons (ad hoc)

✓ AAAS (Sec. G) -- Patty Gowaty (1998)
AIBS -- Carlos Ruis-Miranda (1998)
APA -- Donald Dewsbury (1998)
APS -- Kathleen Morgan (1998)
AAALAC -- Joy Mench (1998)
SICB -- Steve Nowicki (1999)
Neurosciences--Martha Chaiken (1998)

Webmasters (ad hoc)

✓ ABSnet- Jim Ha (1998)
WWW page- Shan Duncan (1998)

Project Director for the ABS Central Office (ad hoc)

✓ Meredith West (1998)

Animal Behaviour Journal Committee Promotion Committee (ad hoc) TBA

Ex officio Members (these individuals are regular voting members on ABS committees):

- 1 This position is filled by Past-President
- 2 This position is filled by First President-Elect
- 3 This position is filled by Second President-Elect
- 4 This position is filled by Parliamentarian
- 5 This position is filled by Member-at-Large

ABS AUTHORS

If you have written or edited a book pertinent to animal behavior which was published in 1997 or will have a book coming out in 1998, please send the citation and a brief synopsis of its contents to Dr. Linda Rayor, Dept. of Entomology, Cornell University, Ithaca, NY 14853, lsr1@cornell.edu, Chair of ABS Public Affairs Committee.

1998 MEMBERSHIP RENEWALS

Renewal / Status forms for 1998 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 either the renewal form or information 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 1997 and you wish to order 1997 journals, you may do so by paying 1997 dues (same as 1998) and noting that you wish to receive 1997 journals on your form and/or check.

WEBSITE ADDITIONS

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.cisab.indiana.edu/ABS/Resource/index.html>. Hard copy is also available for \$8.00 from the Central Office (see direction of correspondence).

ABS OFFICIAL DOCUMENTS

The Constitution, Bylaws and Handbook are on line at the ABS web site: <http://www.cisab.indiana.edu>. Also posted are committee membership lists and a variety of other items concerning the Society and its members.

NOMINATIONS SOLICITED FOR THE WILLIAM C. BROWN ANIMAL BEHAVIOR TEACHING AWARD

Thanks to the generosity of William C. Brown Publishers, the Animal Behavior Society solicits nominations for the William C. Brown Animal Behavior Teaching Award for 1998, to be awarded at the 1998 ABS meeting in Carbondale, Illinois. The awardee will receive a \$500 personal stipend and a grant of \$500 to enhance undergraduate instruction in animal behavior at the awardee's institution. Nominees for the award must show evidence of effective and innovative teaching and have a reputation among peers and students for excellence in undergraduate animal behavior instruction maintained over a number of years. Persons wishing to make a nomination must submit a one-page nomination letter and names, addresses and phone numbers of at least two additional references. Selection will be made by the ABS Education Committee; upon receipt of a nominating letter, the committee will solicit supporting materials such as course syllabi, student evaluation summaries, letters from students or peers, documentation of teaching awards and innovations, textual or laboratory materials, and other indicators of superior undergraduate teaching. Nominators and nominees must be members of the Animal Behavior Society; current officers and committee chairs of the Animal Behavior Society are not eligible for nomination. Nominations must be submitted by **March 15, 1998**, to: Dr. Michael Renner, Chair of the ABS Education Committee, Dept. of Psychology, West Chester University, West Chester, PA 19383.

IN SEARCH OF MEETING SITES

Sites for future ABS meetings are needed. Anyone wishing to host one of our meetings should contact David Duvall to discuss requirements and to receive further information.

JOHN T. EMLER JR
1908-1997

By John, Stephen and Woody Emler

John T. Emler Jr. - gentle man, enthusiastic naturalist, teacher, scholar and longstanding professor at the University of Wisconsin - Madison, died November 8, 1997, at the age of 88 after a brief illness.

"Johnny" was born in Germantown, PA in 1908 to John T. Emler and Mary Jones, and grew up attending Germantown Friends School. He studied at Haverford College (BS 1931) and Cornell University (Ph.D. in Zoology/Ornithology, 1934). In 1934, after working as a park naturalist at Glacier National Park, he married Virginia Merritt, daughter of Cornell physics professor Ernest Merritt and Bertha Sutermeister Merritt.

He first went to Madison to work with Aldo Leopold and for the US Bureau of Biological Survey. Then, in 1935, he joined the biology department at the University of California at Davis, where he served as instructor of zoology until 1942 when he joined the Johns Hopkins School of Hygiene and Public Health on a wartime project on rat control in the city of Baltimore. After the war he returned to Madison as associate professor of zoology at the University of Wisconsin. Advanced to full professorship in 1947, he served as department chairman from 1950 to 1953 and continued as professor and senior zoologist until his retirement in 1974.

Dr. Emler was a pioneer in evolutionary studies of animal ecology and behavior, concentrating on field studies of birds and mammals in their natural habitats. He was a fellow of numerous professional societies and served as president of the American Ornithologists' Union, the Wilson Ornithological Society, and the Wisconsin Society for Ornithology. He was both a John Simon Guggenheim and Fulbright Fellow, and received the highest honor conferred in American ornithology, the Elliot Coues Award, in 1973. At the University, where he was fondly known as "Doc", he mentored 39 doctoral and 22 Master's students, many of whom are current leaders in their disciplines throughout the world. In his later years, the University established a scholarship fund in his name, to be awarded each year to a graduate student with outstanding potential for creativity in field research.

Beset with heart problems in 1965, he was obliged to go part time at the University. Nevertheless, he managed to continue his research studies, working as

a team with his wife "Jinny" in many parts of the world. He summarized his life in the following words: "I can look back over a rich and rewarding life in which I have visited all of the world's continents and many of its islands. How lucky can a guy get?"

He is survived by his wife Virginia and three sons. John Merritt Emler, senior biologist with the US Geological Survey in Seattle, WA., Stephen Thompson Emler, professor of behavioral ecology at Cornell University in Ithaca, NY, and James Woodruff Emler, Vice President for Exploratory Research at Connetics Corporation in Palo Alto CA. He has five grandchildren: Douglas Emler, an assistant professor of Zoology at the University of Montana, Katharine Emler of Boulder, CO, Owen Emler and Robyn Emler of Denver, CO, and Scott Emler of Seattle.

Remembrances should be sent to the John T. Emler Scholarship Fund at the University of Wisconsin Foundation, P.O. Box 8860, Madison, WI, 53708-8860.

**FOUNDERS MEMORIAL POSTER
AWARD**

The Founders Memorial Poster Award will be made this year in honor of John T. Emler, a founder and Fellow of the Animal Behavior Society.

REQUEST FOR ETHOGRAMS

The Behavior and Husbandry Advisory Group (BHAG) of the American Zoo and Aquarium Association (AZA) requests ethograms for an Ethogram Repository.

For many zoo staff and affiliates wishing to initiate a behavioral study, particularly of a little-known or rare species, a bottleneck in the process is compiling an ethogram. Additionally, zoo staff find ethograms useful when adding a new species to their collection, designing appropriate enrichment and exhibits, and developing signs and educational material.

To facilitate the use of behavioral information in zoos, the Behavior and Husbandry Advisory Group of the American Zoo and Aquarium Association (AZA) is establishing a repository of ethograms. We have begun the process of collecting and compiling existing ethograms and would like your help. We are making a standing request of researchers in Animal Behavior to assist us in this effort by sending copies of published or unpublished ethograms they have developed and used in their studies. Author/s of the ethogram will be cited at the top of the first page. Ethograms will be stored and provided to AZA member institutions (with relevant citations) upon request.

The BHAG member who will serve as contact person for collecting and distributing ethograms is: Dr. Tammie Bettinger, Cleveland Metroparks Zoo, 3900 Wildlife Way, Cleveland OH, 44109, USA. (216) 661-6500, Fax: (216) 661-3312, e-mail: tammieb@ix.netcom.com.

At this time we are requesting only vertebrate behavior ethograms and those of cephalopods. Although it is optional, we would prefer that donors include the following information with their ethograms, unless it is part of a publication included with the ethogram: Species, author of the ethogram, location of the study, length of study period, sampling method, composition of the study group (i.e. single animal, single sex group, or mixed sex group), contact person for questions & any additional references you would recommend. We would also appreciate any suggestions the author has for modifications to the ethograms used in a study. Please send your hard copy or e-mail to the above contact.

MEETINGS

FORAGING/98. An international conference on animal foraging behavior will be held 21-24 July 1998 at the University of California at Santa Cruz. This will precede the meeting of the International Society for Behavioral Ecology in nearby Monterey CA. Organizers are Dave Stephens, Marc Mangel and Don Kramer. Deadline for Abstracts and Pre-paid Registration is 15 March 1998. More information: Foraging/98, Department of Ecology, Evolution and Behavior, University of Minnesota, 100 Upper Buford Circle, St. Paul, MN 55108 USA. WWW:<http://nash.cbs.umn.edu/foraging> <foraging@nash.cbs.umn.edu>

The 5th International Congress of Neuroethology in La Jolla, CA, is rapidly approaching. Although the target date for requesting the second circular (with full information about registration, etc.) passed in December, it is not too late to indicate your interest. But please don't delay any further! The Congress will take place on August 23-28, 1998, on the campus of the University of California, San Diego, in La Jolla, California. There will be 10 plenary lectures, 20 symposia, evening lectures and special events. You may learn more about the Congress by visiting the ISN's Website at: <http://www.neurobio.arizona.edu/isn/>. You may request registration information by contacting: Prof. W.B. Kristan, Dept. of Biology, UCSD, 9500 Gilman Drive, La Jolla, CA 92093-0357, USA Tel: (619) 534-4760, Fax: (619) 534-7309, email: wkristan@ucsd.edu -or- asorgenfrey@ucsd.edu.

The 10th annual meeting of the Human Behavior and Evolution Society will be held at the University of California at Davis 8-12 July, 1998. Davis is twenty minutes from Sacramento Metropolitan /International Airport. In July temperatures can range from pleasantly warm to hot. The meeting will feature plenary speakers and one keynote address. Housing will be in UCD dorms, or at local hotels (a list of hotels will be provided). Abstracts for papers are due March 16; symposia abstracts (consisting of four thematically-linked paper abstracts demonstrating a synthetic and interdisciplinary focus) are due February 16, 1998. Details for abstracts will be forthcoming. We welcome papers on non-human animals that have relevance to human behavior. The program organizers are Jane Lancaster and Monique Borgerhoff Mulder, the local host is Peter Richerson, and the committee members are Denise Cummins, Debra Judge, Lore Ruttan and Joanna Scheib. Beginning January 1998 a web page for the meeting can be found at <http://www.des.ucdavis.edu>.

XIII World Meeting of ISRA. The International Society for Research on Aggression (ISRA) is a society of scholars and researchers interested in the scientific study of violence and aggression. The society is both international and interdisciplinary and meets every other year on alternating continents. Currently there are over 300 members from 34 countries with specialties in psychology, psychiatry, physiology, sociology, anthropology, animal behavior, and pharmacology. The current president of ISRA is Rowell Huesmann of the University of Michigan and the Executive Secretary is Ed Donnerstein of the Univ. of California Santa Barbara. ISRA publishes a journal of research entitled *Aggressive Behavior* (edited by Ron Baenninger of Temple University) and the *ISRA Bulletin* edited by Roger Johnson (USA) and Kaj Bjorkqvist (Finland). From July 12-17, 1998, ISRA will celebrate its 25th anniversary with the XIII World Meeting. The conference will be held on the campus of Ramapo College of New Jersey, a 300 acre campus located in the suburban town of Mahwah, New Jersey, just 20 miles from New York City. The conference will run from Sunday, July 12 through Friday, July 19 and will include symposia, invited addresses, paper and poster sessions, and social events. All sessions will be held on the Ramapo College campus except for one symposium which will be held at the Rockefeller University in New York City. The program co-chairs are MaryAnn and Ron Baenninger. The deadline for submission of proposals for symposia is December 1, 1997. The deadline for submission of paper and poster presentations is Feb. 1, 1998. For details on submission procedures, please contact MaryAnn Baenninger, Dept. of Psychology, The College of New Jersey, PO Box 7718, Ewing, New Jersey, USA 08628-0718 or send email to: baenning@tcnj.edu. The conference organizer is Roger N. Johnson. Details about housing and registration will be announced in the December issue of the *ISRA Bulletin*. For additional information, please visit the conference web site: <http://www.ski-town.com/isra>.

ANNOUNCEMENTS

The Encyclopedia of Animal Rights and Animal Welfare will be published by Greenwood Press (Westport, Connecticut) and is tentatively scheduled for release in June 1998. Edited by Marc Bekoff, of the University of Colorado, this one-volume reference work will provide essays by recognized authorities in the field, addressing many issues of animal rights and animal welfare. The Foreword was written by Jane Goodall. For more information please contact Marc Bekoff, EPO

Biology, University of Colorado, Boulder, Colorado 80309-0334 USA (e-mail: marc.bekoff@colorado.edu)

The Center for Field Research invites proposals for 1998-1999 field grants funded by its affiliate Earthwatch. Earthwatch is an international, non-profit organization dedicated to sponsoring field research and promoting public education in the sciences and humanities. Past projects have been successfully fielded in, but are not limited to, the following disciplines: animal behavior, biodiversity, ecology, ornithology, endangered species, entomology, marine mammalogy, ichthyology, herpetology, marine ecology, and resource and wildlife management. Interdisciplinary projects are especially encouraged as is multinational collaboration. Information can be found at <http://www.earthwatch.org/cfr/cfr.html>, or you can contact: The Center for Field Research, 680 Mt. Auburn St, Watertown, MA 02272. Tel: (617) 926-8200. Fax: (617) 926-8532. e-mail: cfr@earthwatch.org.

OPPORTUNITIES

The Secretary would like to remind you although I try to avoid listing situations that are already filled, the time lag between submission and arrival of the Newsletter can cause this to occur. Please contact those offering the opportunities before applying.

Assistants needed for study of avian sociality, dispersal and population genetics in Australia. Two field assistants are needed 1 August - 31 November for a comparative study of the mating systems, dispersal tactics, and population genetics of two species of Australian treecreeper. The primary study site is in eucalypt woodland in central New South Wales. Duties will include nest-finding, behavioral observations, radio-tracking, mist netting, banding and bleeding adults and nestlings. Applicants should have experience with at least some of these activities, be in good physical condition, and willing to work often long hours in hot or cold weather. Preferred applicants will have experience studying behavior in individually-marked populations. Comfortable housing and a stipend of \$400/mo (SAUD) will be provided (along with fantastic native wildlife!), but applicants **MUST** provide their own airfare to Australia. Send a cover letter, resume, and a list of 3 references including addresses and phone numbers before 1 April to ERIK & VERONICA DOERR, Program in Ecology, Evolution, and Conservation Biology, University of Nevada, Reno, NV 89557 (edoerr@unr.edu).

Undergraduate Summer Research

Internships - The Center for the Integrative Study of Animal Behavior (CISAB) at Indiana University invites applications to our NSF-supported Research Experiences for Undergraduates Program in Animal Behavior. A total of 10 REU internships will be awarded to students to participate in this program from 1 June to 8 August 1998. Each internship provides a \$2,500 stipend, room & board, and transportation costs to and from Indiana University or the study site. Undergraduates of racial/ethnic minorities, first generation college or low income families are especially encouraged to apply, but all applicants will be considered. Applications will be accepted until all positions are filled. For further information and application forms contact Linda Summers, Administrative Assistant for REU/CISAB at (812) 855-9663 or lisummer@indiana.edu.

Opportunities in the study of animal

welfare. A new animal welfare program was launched at the University of British Columbia (in Vancouver, Canada) in October, 1997. As a key element in the program, we are creating research and training opportunities for graduate students and post-doctoral workers. Our funding comes from a range of interested parties, including the humane movement, the veterinary profession, and animal agriculture, and we hope to develop research projects to address welfare issues relevant to these various supporters. Two types of candidates are particularly encouraged: (1) Students working in the life sciences, especially with backgrounds in behaviour, to conduct behavioural or related research on farm, laboratory, companion, or wild animals (including fish) directed at significant animal welfare issues and (2) students interested in interdisciplinary studies with appropriate backgrounds in the social sciences, law and other fields to conduct research on issues such as the adequacy of legal protection of animals, the impact of international trade on animal welfare, and the effectiveness of animal protection programs. We welcome inquiries from potential graduate students and post-doctoral workers with a strong interest in animal welfare and outstanding aptitude for research and team-work. The Animal Welfare Program has some financial support available, and will assist others in applying for funding. Please contact: David Fraser and Dan Weary, Department of Animal Science and Centre for Applied Ethics University of British Columbia, 2357 Main Mall - Suite 208, Vancouver V6T 1Z4, Canada. tel: 604-822-2040 (Fraser), 604-822-3954 (Weary) fax: 604-822-4400. E-mail: david.fraser@ubc.ca, danweary@unixg.ubc.ca, <http://www.interchange.ubc.ca/agsci/animalsci/chair.html>.

Volunteers - Approximately 30 volunteer positions are open in 1998 at the American Museum of Natural History's Southwestern Research Station in Portal, Arizona. The volunteer program is run annually and offers students in biological sciences outstanding opportunities to observe and become involved with field research. Food and lodging are provided in exchange for 24 hr per week of routine chores, with the remaining time available for research. The program is open to undergraduate and graduate students; the latter may pursue their own research. Volunteers are needed between March 15 and Nov. 1. Appointments are for part of this period, with a minimum of six weeks. Applicants for spring (March-May) should submit applications by Feb. 15, summer volunteers (June-August) by April 1 and fall volunteers (Sept. - Nov.) any time. Dr. Wade C. Sherbrooke, Director, Southwestern Research Station, American Museum of Natural History, Portal, AZ, 85632, USA. Phone (520) 558-2396; e-mail: swrs@amnh.org.

Volunteer field assistants needed for study of behavioral ecology of Utah prairie dogs. Topics of research include variance in male and female reproductive success, multiple paternity, kin recognition, alarm calling, infanticide, communal nursing, levels of inbreeding, demography, and population dynamics. Study site is in Bryce Canyon National Park, Utah. Field season starts 5 March and ends 10 July. The only requirement is that you have a genuine interest in field research in ecology and social behavior. Academic credit is possible, and several previous assistants have applied research toward either a senior thesis or Master's degree. Contact John L. Hoogland, The University of Maryland, Appalachian Laboratory, Frostburg, MD 21532. Tel: 301-689-3115, x216 (work) or 301-689-8076 (home). Fax: 301-689-8518.

Terrestrial Vertebrate Ecologist. Tenure Track, Assistant Professor Position for Fall 1998. Application Deadline: Review of applications will begin March 1, 1998 and will continue until the position is filled. Salary: commensurate with experience. Requirements: Ph.D. in a biological sciences area directly related to terrestrial vertebrate ecology. Preference will be given to individuals with expertise or experience in two or more of the following areas: ornithology, mammalogy, animal behavior, and wildlife management. In addition, applicants must have the ability to teach undergraduate and graduate students and do research. Responsibilities: Course coordination and team teaching in general ecology, plus teach other courses for undergraduate and graduate students relating to terrestrial vertebrate ecology in the applicants area of expertise. Conduct research involving undergraduate

and/or graduate students, and serve on departmental committees. Submit a letter of application, curriculum vitae, academic transcripts, statement of teaching and research interests, and names and telephone numbers of three professional references to: Dr. Bill Bessler, Chair, Department of Biological Sciences, P.O. Box 8400 MSU 34, Mankato State University, Mankato, Minnesota 56002-8400. Phone 507-389-2786. E-MAIL: bill_bessler@msl.mankato.msus.edu.

Field Assistants needed mid May - early August for an ongoing study of the mating system of the white-throated sparrow. Research will be conducted at the Cranberry Lake Biological Station in the Adirondack Mountains of New York. Work will include mist-netting, banding, sampling blood for hormonal assays and DNA fingerprinting, behavioral observations, and maintenance of captive breeding pairs. Previous experience desirable but not necessary; only prerequisites are patience and persistence. Expenses at the field station will be paid. For further information, or to apply, contact Dr. Elaina M. Tuttle, Department of Biology, St. Mary's College of Maryland, Rte. 5, St. Mary's City, Maryland 20686; tel: (301)862-0474; e-mail: etuttle@osprey.smcm.edu

Post-Doctoral Position in Fly Genetics and Behavior. Applications are invited for the position of Postdoctoral Fellow to study gene networks and brain development as they affect courtship behavior in the fruit fly, *Drosophila*. Previous experience with *Drosophila* is not necessary. Submit a curriculum vitae, statement of research interests and names of three references. to: Dr. Ralph J. Greenspan, The Neurosciences Institute, 10640 John Jay Hopkins Dr., San Diego, CA 92121. FAX: 619-626-2099 e-mail: <greenspan@nsi.edu>

Post-Doctoral Position in Fly Behavioral Modeling Applications are invited for the position of Postdoctoral Fellow to study modeling of the neural basis of behavior in the fruit fly, *Drosophila*. Applicants should have a background in some aspect of neurobiology, preferably related to insects or other invertebrates. Previous experience with *Drosophila* is not mandatory. Submit a curriculum vitae, statement of research interests, and names of three references to: Dr. Ralph J. Greenspan or Dr. Olaf Sporns, The Neurosciences Institute, 10640 John Jay Hopkins Dr., San Diego, CA 92121. FAX: 619-626-2099. e-mail: <greenspan@nsi.edu>

1998 ANNUAL ANIMAL BEHAVIOR SOCIETY MEETING

JULY 18 - JULY 22

SOUTHERN ILLINOIS UNIVERSITY

CARBONDALE, IL, U.S.A.

<http://www.cisab.indiana.edu/abs/>

1999 ANNUAL ANIMAL BEHAVIOR SOCIETY MEETING

JUNE 26 - JULY 1

BUCKNELL UNIVERSITY

LEWISBURG, PA, U.S.A.

**[http://www.bucknell.edu/departments/psychology/
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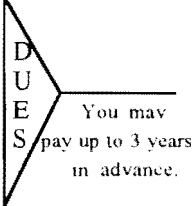
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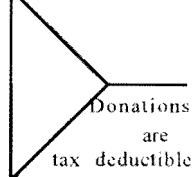
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