



NEWSLETTER

Animal Behavior Society

Vol. 34, No. 1

February, 1989

A quarterly publication

David Chiszar, ABS Secretary
Maura Carew, Associate Editor

Department of Psychology, University of Colorado, Campus Box 345, Boulder, Colorado, 80309

ABS NATIONAL CONVENTION, 1989

To be held at Northern Kentucky University, Highland Heights, KY, 11-17 June. Deadline for abstracts and transmittal forms is 15 Feb 1989. These materials (see November Newsletter) should be sent to the ABS Program Officer, Susan E. Riechert, Zool Dept, Univ Tennessee, Knoxville, TN 37996. Registration materials should be sent to Local Host, Thomas C. Rambo, 1989 Animal Behavior Society Meetings, Dept of Biol Sciences, Northern Kentucky Univ, Highland Heights, KY 41076 (see November Newsletter for Registration form).

ANIMAL BEHAVIOR SOCIETY DIRECTION OF CORRESPONDENCE

ABS NEWSLETTER & general correspondence to the society:
David Chiszar, Dept of Psych, Campus Box 345,
Univ of Colorado, Boulder CO 80309

ANIMAL BEHAVIOUR--Manuscripts and editorial matters:
Lee Drickamer, Dept of Zoology
Southern Illinois Univ
Carbondale, IL 62901

ANIMAL BEHAVIOUR--Missing, defective, or back issues;
change of address:
Robert Matthews, Dept of Entomology
Univ of Georgia, Athens GA 30602

NEWSLETTER

Contributions for the ABS Newsletter are welcome. Deadline for receipt of materials for the August issue is 15 July. Send to D. Chiszar, address above.

ABS OFFICERS

PRESIDENT: John Fentress, Dept Psych and Biol, Dalhousie Univ, Halifax, Nova Scotia, Canada B3H 4J1

1st PRESIDENT-ELECT: Patrick Colgan, Biology Dept., Queen's Univ, Kingston, Ontario, Canada K7L 3N6

2nd PRESIDENT-ELECT: Charles Snowdon, Psychology Dept., Univ Wisconsin, Madison WI 53706

PAST-PRESIDENT: Sydney Gauthreaux Jr., Dept Zool, Clemson Univ, Clemson, SC 29631

SECRETARY: (1987-1990) David Chiszar, Dept Psych, Campus Box 345, Univ Colorado, Boulder CO 80309

TREASURER: (1988-1991) Robert Matthews, Dept Entomology, Univ Georgia, Athens, GA 30602

PROGRAM OFFICER: (1986-1989) Susan Riechert, Dept Zool, Univ Tennessee, Knoxville, TN 37916

PARLIAMENTARIAN: (1986-1989) Edward Burt, Jr., Dept Zool, Ohio Wesleyan Univ, Delaware, Ohio 43015

EDITOR: (1988-1991) Lee Drickamer, Dept Zool, Southern Illinois Univ, Carbondale, IL 62901

MEMBER-AT-LARGE: (1986-1989) Jan Randall, Biol Dept, San Francisco State Univ, San Francisco CA 94132

MEMBER-AT-LARGE: (1987-1990) Julia Chase, Biol Dept, Barnard College Columbia Univ, New York, NY 10027

MEMBER-AT-LARGE: (1988-1991) George Barthalmus, Dept Zool, North Carolina State Univ, Raleigh, NC 27650

ABS STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS

1 JULY 1987 TO 30 JUNE 1988

BEGINNING BALANCE

First City Bank, Gainesville, FL	
Checking account.....	\$ 1,026
Money Management account.....	\$ 23,730
Florida Federal Savings and Loan Association, Gainesville, FL -	
Certificate of Deposit.....	\$ 73,750
Empire of America Savings Bank, Gainesville, FL -	
Certificate of Deposit.....	\$ 29,954
Editor's Fund (cash).....	\$ -5,027
Secretary Chiszar's Fund (cash).....	\$ 5,000
Education Committee Fund (Matthews).....	\$ 155
TOTAL BEGINNING BALANCE	\$128,588

REVENUE RECEIVED

Membership Dues	
Regular.....	\$ 50,482
Student and Emeritus.....	\$ 14,895
Spouse.....	\$ 667

Subscriptions to Publications	
Journal.....	\$ 957
Newsletter.....	\$ 21
Interest ¹	\$ 8,644
Late Fees	\$ 2,595
Mailing Labels	\$ 1,212
Graduate Programs in	
Behavior Pamphlet	\$ 568
Film Lists	\$ 5
Advertisements in Annual	
Meeting Program	\$ 0
Donation from ASAB	
for Editorial Office	\$ 1,000
Other Misc. Donations	\$ 57
Return from Williams	
Annual Meeting	\$ 1,118
TOTAL REVENUE RECEIVED	\$ 82,221

TOTAL FUNDS AVAILABLE \$210,809

EXPENDITURES	
ASAB for Journal	
<i>Animal Behaviour</i> ²	\$ 31,551
Second President Elect	
(Allee Award) ³	\$ 0
Secretary Chiszar	\$ 4,310
Treasurer ⁴	\$ 10,302
Editor of <i>Animal Behaviour</i>	
Snowdon	\$ 30,455
Past Editor Altmann	\$ 181
Program Officer	\$ 2,835
Member-at-Large (research grants) ..	\$ 3,000
Education Committee	\$ 63
Film Committee	\$ 223
Animal Care Committee	\$ 0
Membership Committee	\$ 715
Logo Committee (ad hoc)	\$ 100
AIBS Dues	\$ 750
TOTAL EXPENDITURES	\$ 84,485

ENDING BALANCE	
First City Bank, Gainesville, FL	
Checking account	\$ 6,354
Money Management account	\$ 10,594
Florida Federal Savings and Loan Association, Gainesville, FL -	
Certificate of Deposit	\$ 78,834
Empire of America Savings Bank, Gainesville, FL -	
Certificate of Deposit	\$ 31,940
Editor's Fund (cash) Snowdon.....	\$ - 2,188
Secretary Chiszar's Fund (cash)	\$ 690
Education Committee Fund	
(Matthews)	\$ 100
TOTAL ENDING BALANCE	\$126,324

¹Interest rates have dropped from 14% in 1982-84 to 9.3% in 1985-86 to 8.3% in 1986-87 to 6.5% in 1987-88.

²We are billed annually for the journal *Animal Behaviour* by the Association for the Study of Animal Behaviour (ASAB). The journal costs \$13.00 per volume.

³Because the 1988 Annual meeting is in August, there was no meeting in this fiscal year.

⁴This expenditure includes processing checks, maintaining the membership list on the computer, processing and sending all changes to the English publisher, preparing labels on request, proofreading the membership lists, sending out dues notices, bad checks and visas, banking, printing and computing fees, and the annual audit.

OPPORTUNITIES

EDITOR'S NOTE. Opportunities and announcements are published as soon as possible (i.e., in the next issue of the Newsletter). It sometimes happens, however, that a position is filled between the time we receive the advertisement and the time of the next quarterly issue of the Newsletter (i.e., a period of 2-3 months). Accordingly, we apologize for inconveniences this may cause, and we recommend that interested persons precede their formal responses to advertisements with a phone call to ascertain that the position is still available. (If an ad appears in the Newsletter, the editors have received no indication that the position has been filled as of press time.)

KARISOKE RESEARCH DIRECTOR- Position open 1 Dec 1989 for director of Karisoke Research Center, Rwanda, Africa. Director: supervises personnel in studies and observation of mountain gorillas; carries out independent research and also sees that long-term data files are analyzed and updated. is responsible for efficient camp operations (including trackers, guards, anti-poaching patrols), maintenance of accurate financial records, and submission of required reports; must be able to communicate in French and English (Swahili helpful) with governmental, park, camp and other personnel. Position requires a knowledge of observational methods and protocols. Center personnel includes 25 Rwandan nationals and 3-6 graduate researchers. Contract for one year, renewable for a second year. Send letter of application, curriculum vitae (or resume), and names of 3 references to: **The Digit Fund, 45 Inverness Drive East, Englewood, CO 80112. Phone: (303-790-2345).**

FIELD RESEARCH ASSISTANTS NEEDED- from 15-22 May (flexible) through approx. 16 July 1989. Study of reproductive behavior and ecology of rock bass at Cranberry Lake Biological Station, Adirondack Mts., New York. Work will involve locating nests, capturing, and marking occupant male plus quantification of parental care behavior and reproductive success. Swimming and preferably snorkeling experience required. Funds available for room/board costs. Contact: **Alberto Sabat, Dept Biol Sciences, SUNY-Albany, New York 12222. Phone: 518-442-4341.**

VOLUNTEER RESEARCH ASSISTANTS- 30 May-4 Sept 1989 for continuing long-term research on seasonal populations of fin and humpback whales in Massachusetts Bay. Research centers on distribution, habitat use and behavioral observations of photo-identified individuals. Interested persons should send a letter of interest, a resume and two letters of recommendation to **Steven Frohock, c/o Atlantic Cetacean Research Center, P.**

O. Box 1413, Gloucester, MA 01930. Phone: 508-283-2708 for further information. Interviews will be conducted during the last week of March.

TWO FIELD ASSISTANTS- wanted beginning Spring 1989 for 1-2 year study of behavioral ecology of coral reef fishes in Panama. Research involves extensive scuba observation of marked populations in shallow water, as well as laboratory studies of behavior and physiology. Assistants must be able to work without close supervision. For information about stipend and other details, write to Smithsonian Tropical Research Institute, ATTN: Dr. Eric A. Fischer, APO Miami 34002-0011.

RESEARCH ASSISTANTSHIPS (MS/PhD)- are available beginning Fall Semester 1989 through the Univ Southern Mississippi and the National Park Service to study the behavior, ecology and ecophysiology of Neotropical passerine migrants. Field sites are located in southwest (coastal) Louisiana and on Mississippi Gulf coast barrier islands, where trans-Gulf migrants are studied during stopover, both spring and autumn migration. Experience with passerine migrants desirable. Send resume and names, addresses and telephone numbers of two references as well as requests for further information to: Dr. Frank R. Moore, Dept Biol Sciences, Box 5018, Univ Southern Mississippi, Hattiesburg, MS 39406. The Univ Southern Mississippi is an equal opportunity employer.

FIELD ASSISTANT NEEDED- May-July for ongoing mate choice study on Polymorphic White-throated Sparrow. Research conducted at Cranberry Lake Biological Station in Adirondack Mountains of northern New York. Work will include netting, banding, sampling blood, manipulating plumage, and performing behavioral observations. Previous experience desirable but not necessary; only prerequisites are patience and a good head net to keep the blackflies away. Expenses at the field station will be paid. Contact: Elaina M. Tuttle, Dept Biol Sci, SUNY-Albany, 1400 Washington Ave., Albany, NY 12222 for further information or to apply.

FIELD ASSISTANTS NEEDED- April-July 1989 for comparative study of the ecology and behavior of the cooperatively breeding Gray-breasted Jay and the non-cooperatively breeding Scrub Jay in the Burro Mountains of SW New Mexico. Work includes banding, locating nests, observations of behavior, and collecting blood for DNA RFLP analyses. Living conditions are primitive but enjoyable (housing is free). Experience with field work and camping a plus. Modest stipend provided. Send letter of interest, CV and names, addresses, phone numbers of two references to: Peter B. Stacey, Dept Biol, Univ New Mexico, Albuquerque, NM 87131. Phone: 505-292-5430 or 505-277-3315.

FACULTY POSITIONS AND RESEARCH OPPORTUNITIES- for teaching winter, spring and summer course sessions at the Univ of Colo Mountain Research Station, located 25 miles outside Boulder at 9,500 feet elevation. Sessions range in length from 2 week courses between semesters to 6-week summer courses. The Station is accepting applications for future summer courses to be taught at the Station. The Station also provides housing and laboratory facilities for researchers wishing to carry out studies

in the surrounding montane and alpine habitats, and is the site of one of NSF's Long-term Ecological Research studies in the alpine habitat of Niwot Ridge and adjacent Boulder City watershed. For more information, contact: Dr. David Inouye, Director, Mountain Research Station, INSTAAR, CB 450, Univ of Colo, Boulder, CO 80309. Phone: 303-492-8842.

GRANTS FOR ORNITHOLOGICAL RESEARCH- The American Ornithologists' Union solicits applications for research in all areas of avian biology, including behavior. The Alexander Wetmore Memorial Fund and the Josselyn Van Tyne Memorial Fund were established primarily to provide support for students or others who have no access to major granting agencies. Deadline for receipt of applications is 8 Feb 1989. Request application forms or more information from: Mary Victoria McDonald, Chairperson, AOU Research Awards Committee, Conservation and Research Center of the Smithsonian, Front Royal, VA 22630. Phone and FAX No: 703-635-4166. Applicants must be members of the AOU. Student Membership is \$18. Dues should be sent directly to the Ornithological Societies of North America, P.O.Box 21618, Columbus, OH 43221-0618.

FIELD ASSISTANTS- from 20 May-30 July 1989 are needed to participate in a study on communal nursing in evening bats (*Nycticeius humeralis*) in northern Missouri near the town of Princeton. Work will include mist-netting, banding, bleeding and biopsying bats departing from attic roosts, direct observations of nursing behavior, radio-tracking, and insect sampling. While mist-netting and telemetry experience with birds or bats will be useful, they are not required. However, sensitivity to animal awareness is essential. All positions include housing and a stipend. Send resume, career goals, names and phone numbers of 2 references to: Jerry Wilkinson, Dept Zool, Univ Maryland, College Park MD 20742. Phone: 301-454-5410.

CENSUS AND RESEARCH INTERNSHIPS- at the Karisoke Research Center of Rwanda, located in the Parc National des Volcans. The Center was founded by Dr. Dian Fossey in 1967 and served as a base for her research and conservation efforts on behalf of mountain gorillas for the next 18 years. As part of an ongoing effort to expand the scope of research and conservation activities at the Center, The Digit Fund plans to appoint one to three Census and Research Interns each year to assist the Director of the Center in carrying out periodic censuses of the study population as well as in the collection of daily demographic and ranging data on individual study groups. As time permits, Interns may also have the opportunity to assist resident researchers in ongoing behavioral or ecological studies of gorillas and other species or to carry out short-term studies of their own design. Census and Research Internships will be provided with round-trip airfare to Rwanda and will also receive a small monthly subsistence allowance during their period of residence at Karisoke. This program is intended for individuals having completed at least two years of undergraduate study through recent graduates. The Digit Fund is dedicated to continuing the program of research on mountain gorillas and their habitat begun by the late Dr. Dian Fossey. For further information on internship opportunities at the Karisoke Research Center, contact: The Digit Fund, c/o

Morris Animal Foundation, 45 Inverness Drive East, Englewood, CO 80112-5480.

L.S.B. LEAKEY FOUNDATION FELLOWSHIP- for the Study of Foraging Peoples. From time to time the Foundation Board awards a fellowship of up to \$20,000 to an individual proposing research among contemporary foraging peoples. The Fellowship can be used to survey foraging populations throughout a large geographic region, or to initiate research in a particular area.

The 1988/89 Fellowship for the Study of Foraging Peoples, in the amount of \$15,000 has been awarded to Dr. Fiona Marshall, Washington University, St. Louis, MO. Her research project is entitled "An Ethnoarcheological Study of Hunting, Bone Modification and Site Formation Processes Among Okiek Hunter-Gatherers of the Western Mau Escarpment, Kenya."

This research focuses on the collection of, damage to, and discard of bone among the Okiek hunter-gatherers. The project takes advantage of the discovery by Cory Kratz of this traditional remnant group of Okiek hunter-gatherers who live in the rockshelters and glades of the high-altitude forests of the Western Mau Escarpment, Kenya. This research is designed to identify factors shaping Okiek faunal use, and to investigate the links between Okiek faunal use and archeologically recognizable patterns of bone modification and accumulation. The research will contribute to archeological understanding of the underlying processes shaping past and present faunal use by East African hunter-gatherers and thus to the interpretation of Paleolithic faunal assemblages, and the reconstruction of early human diet and behavior.

Applications for the 1989/90 Fellowship for the Study of Foraging Peoples are available by contacting: the **L.S.B. Leakey Foundation**, Foundation Center 1-7, Pasadena, CA 91125. Phone: 818-449-0508/449-0508.

FIELDWORK IN THE ADIRONDACKS- Field assistant needed for ongoing behavioral ecology studies on eastern chipmunks in the Adirondack Park. Field season begins the last week of April and ends in the middle of October. Volunteers may work part of this period; room and board is provided at Cranberry Lake Biological Station (some other expenses might be covered). Assistants should be enthusiastic about simple life in an isolated environment, enjoy working outdoors under all weather conditions, be mechanically skillful, possibly have experience in handling small mammals and not mind long hours. Work will teach skills in trapping, radio telemetry, blood sampling, behavioral observations and analysis. Life at the station is intellectually stimulating, fun and a wonderful wildlife experience. CVs, two letters of recommendation and a description of research experience should be sent to the following address by 31 March: **Sabine S. Loew**, Dept of Ecology & Evolution, SUNY at Stony Brook, Stony Brook, NY 11794.

ANNOUNCEMENTS

MORE BOOK AWARDS FOR ALLEE AWARD WINNERS. We are pleased to announce that Academic Press, Cambridge University Press and Harvard University Press have joined the University of Chicago and Sinauer Associates in providing book awards for winners in the Allee Competition. The Allee

Award winner will now receive \$100 book awards from each of the five publishers. In addition Chicago will offer \$75 in books when there is one runner-up and two awards of \$50 each when there are two runners-up. Cambridge, Academic and Harvard will offer \$50 in book awards to runners-up. The Animal Behavior Society is grateful to all five publishers for their support of our W. C. Allee Award.

PASSERINE NESTLING VOCALIZATIONS. We are currently undertaking a comparative study of passerine nestling vocalizations and are attempting to obtain recordings from as many species as possible. If you have any such recordings or it is possible for you to make such recordings while doing other research, please contact us. Write: James Popp, Dept Biol Sciences, Univ of Wisconsin-Milwaukee, P. O. Box 413, Milwaukee, WI 53201 or call Penny Ficken at 414-229-4363 or 675-6844.

NEEDED--MINIATURE ELECTRONIC BEEPER FOR TIME SAMPLING. I am looking for someone who is producing a beeper small enough to fit into a shirt pocket and with a variable beep interval from about 1 second to perhaps 10 minutes. I have seen a circuit diagram for such a beeper in *Measuring Behavior* by P. Martin and P. Bateson (Cambridge U. Press, 1986), but I don't have the means to produce it. Please let me know if you or anyone you know is presently producing some kind of beeper that I can simply purchase. Michael DeJong, College of St. Thomas, St. Paul, MN 55105. Phone: 612-647-5320.

PROCEDURE FOR THE INTRODUCTION OF RESOLUTIONS AT THE ANNUAL BUSINESS MEETING OF ABS

1. Resolutions deal with timely and substantive political and social issues and are transmitted by the ABS to external agencies, organizations, or the general public.
2. Written resolutions should be submitted to the Chair of the Public Affairs Committee 60 days prior to the annual business meeting. Each resolution should provide direction to the President so that it can be acted upon promptly.
3. Timely issues may be submitted up to 24 hours prior to the annual business meeting for evaluation by the Public Affairs Committee.
4. The Public Affairs Committee, as one of its responsibilities, will receive, evaluate, and if necessary, edit submitted resolutions. In the event that editing is necessary, or if the Public Affairs Committee deems the resolution to be inappropriate to the aims of ABS, this decision shall be transmitted to the submitter(s) no later than 15 days prior to the start of the meeting during which the annual business meeting is convened. The initiator(s) of the resolution may appeal, in writing, to the Executive Committee. Final decisions regarding resolutions reached by the Executive Committee during its annual meeting will not be subject to appeal during the interval between the meeting of the Executive Committee and the annual business meeting. The Executive Committee should reach a decision on the appeal within 2 months following the annual meeting.

5. Approved versions of resolutions will be made available to the members during the course of the meeting by being posted on available bulletin boards; hard or projected copies of resolutions will be available for distribution or viewing at the annual business meeting.

6. Approval by a simple majority of members voting at the annual business meeting is required for passage of a resolution.

7. Regardless of the fate of a resolution at the business meeting, a simple majority of those present can approve a mail ballot for the consideration of a resolution by means of the NEWSLETTER.

8. Approval of a resolution at the business meeting or by mail ballot will be followed by prompt action by the President of ABS as directed in the resolution.

9. Approved resolutions will be published in the NEWSLETTER.

Report submitted by George H. Waring, Chair, ABS Public Affairs Committee, Dept of Zool, Southern Illinois Univ, Carbondale, IL 62901.

MEETINGS

MIDWEST REGIONAL ANIMAL BEHAVIOR CONFERENCE- will be held 17-19 March 1989 at Saint Mary's College, Notre Dame, IN. For more information contact: **Dr. Doris Watt**, Dept Biol, Saint Mary's College, Notre Dame IN 46556.

DALLAS ZOO TO HOST NATIONAL WORKSHOP- 29 April-6 May 1989 on "Applying Behavioral Research to Zoo Animal Management". Participants will learn how to develop and participate in behavioral research projects and apply the results to specific management problems. This year's workshop will include topics and projects in mammalian, avian, and reptilian behavior. A nationally recognized behavioral scientist will provide a keynote lecture and many additional activities are planned. Enrollment will be limited to 40 participants, with priority given to zoo staff from AAZPA accredited institutions. Registration fee for the workshop is \$100 if paid before 1 April. Write to: **Ron Kagan**, General Curator, Dallas Zoo, 621 East Clarendon Dr, Dallas TX 75203 for further information and registration form.

FIFTH EUROPEAN ISRA COUNCIL IN HUNGARY- will be held in Szombathely, Hungary, between 25 June (arrival) and 30 June (departure) 1989. The meeting is being organized by the Institute of Psychology of the Hungarian Academy of Sciences and the Hungarian Psychological Society. Deadline for papers and posters is 15 March 1989. Please mail to: The 1989 ISRA European Conference Organizing Committee, H - 1394, Budapest VI., Szondy u. 83-85 Hungary. ISRA member **Borisz Szegal** will be organizing these meetings.

TENTH INTERNATIONAL SYMPOSIUM OF ODONATOLOGY- 6-12 August 1989. Hosted by: Dept Biol Sci, East Tennessee State Univ, Johnson City TN 37614, USA. Contact: **Dan M. Johnson**, above address, for Registration, Abstract, Housing Reservation Forms, and information on travel grants. Phone: 615-929-4359. Deadline for receipt of abstracts and registration fees is 15 March 1989.

INTERNATIONAL CONFERENCE ON HORMONES, BRAIN AND BEHAVIOR- 18-22 August 1989 at the Univ Liège, Belgium under auspice of the European Society for Comparative Physiology and Biochemistry (ESCPB). The program will include about 40 invited lectures but also free communications in the form of posters or oral presentations. Contact: **Dr. Jacques Balthazard**, Laboratoire de Biochimie Générale et Comparée (BatL1), Université de Liège, Belgique. Telephone: 32-41-43 44 41; BITNET: U411301 @ BLIULG11).

THE HUMAN BEHAVIOR AND EVOLUTION SOCIETY FIRST ANNUAL MEETING- 25-27 August 1989, Northwestern Univ, Evanston, IL. The Society has been formed to promote the exchange of ideas and research findings among scientists who are using evolutionary theory to better understand human behavior. Representatives from all disciplines are welcome, including anthropology, artificial intelligence, biology, economics, ethology, law, philosophy, psychology, psychiatry, psychoanalysis and sociology. Studies of animal behavior are recognized as an important component of attempts to better understand human behavior.

Registration Fee is \$40 if received by 1 April; \$50 thereafter. Registration fee is reduced by 50% for students and postdoctoral fellows. All participants must pay the full registration fee, even if attending only part of the meeting. No form is necessary, but please include your address and phone number. Checks should be made out to "The Human Behavior and Evolution Society." Early responses much appreciated to facilitate planning. Registration fees are fully refundable for cancellations **before 1 August**; after that a 50% refund applies.

Please send Registration Fees to:

The Human Behavior & Evolution Society
Northwestern University
1810 Hinman Street, Evanston, IL 60208-1310.
Phone: 312-491-5402.

Abstracts of proposed presentations must be received by 1 April 1989. Decisions on the program will be made by 1 May 1989. Please use top half of 8 1/2" x 11" paper with 1" margins. Please use the first line for the title, the second for the authors, and subsequent lines for their affiliations and mailing address. The abstract should be less than 200 words (not including titles, names, etc.). Abstracts will be considered for both lecture and poster formats, unless a note at the bottom of the abstract page instructs otherwise.

Please send Abstracts to:

Laura Betzig, Ph.D. and Paul Turke, Ph.D.
The University of Michigan
1521 Rackham Bldg., Ann Arbor, MI 48109-1070
Phone: 313-936-2526.

SECOND INTERNATIONAL CONGRESS OF NEUROETHOLOGY- 10-16 September 1989 at the Free University of Berlin (Federal Republic of Germany). For information, write to: **International Congress of Neuroethology**, c/o Professor Dr. R. Menzel, Koenigin Luise strasse 28-30, D-1000 Berlin 33, West Germany.

THE SOCIÉTÉ QUÉBÉCOISE POUR L'ÉTUDE BIOLOGIQUE DU COMPORTEMENT- will hold its annual meeting 27-29 October 1989 at the Université Laval, Ste-Foy, Québec. The meeting will include a special symposium on reproductive strategies. For information write to: G. Gauthier, Dépt. Biol, Université Laval, Ste-Foy, Qc, Canada, G1K 7P4.

GRADUATE PROGRAMS IN ANIMAL BEHAVIOR IN NORTH AMERICA

UPDATE

This information supplements the graduate programs booklet (162 pp.) published in 1985 by the ABS Education Committee. The present list was compiled by Lawrence Williams and Daniel Estep (Education Committee) based on data provided by ABS members. Material is organized in the same format that was used in the 1985 booklet. In 1990, the Education Committee will publish a new edition of the graduate programs booklet. Listings in this issue begin with the state of Vermont, the Univ of Vermont, and continue through Canada and Japan.

VERMONT

UNIVERSITY OF VERMONT

Zoology
Burlington, VT 05405
CHAIRMAN: George M. Happ 802-656-2922
DEGREES: M.S., Ph.D ENROLLMENT: 6
CONTACT: George M. Happ

Joan M. Herbers Assoc. Prof.
Northwestern Univ. Ph.D 1978 802-656-0449
Behavioral genetics
Evolution/survival
Foraging
Evolutionary ecology of eusocial insects
Ants (Insecta:Hymenoptera:Formicidae)

Judith Van Houten Assoc. Prof.
Univ. of Calif, Santa Barbara Ph.D 1976 802-656-0452
Sensory mechanisms
Locomotion
Neural mechanisms
Genetic analysis of chemoreception from receptor to behavioral response levels; behavior of unicellular organisms
Paramecium (Protozoa)

Bernd Heinrich Prof.
Univ. of Calif, Los Angeles Ph.D 1969 802-656-0443
Behavioral ecology
Social behavior
Communication
Foraging biology of bumblebees, thermoregulation
Insects (Insecta:Hymenoptera)
(Insecta:Lepidoptera)

Ravens (Aves:Piciformes)

Joseph J. Schall Assoc. Prof.
Univ. of Texas Ph.D 1976 802-656-0448
Parental behavior
Memory
Courtship
Effect of parasites on social behavior; nesting behavior of seabirds
Western fence lizard (Reptilia:Squamata:Iguanidae)
Whiptail lizards (Reptilia:Squamata:Terridae)
Cormorant (Aves:Pelecaniformes:Phalacrocoracidae)

Timothy Otter Asst. Prof.
Univ No Carolina, Chapel Hill Ph.D 1981 802-656-0460
Locomotion
Sensory Mechanisms
Behavioral genetics
Control of flagellar and eiliary movement
Chlamydomonas (Ph) Protozoa cl. Phytomastigophorea
Paramecium (Ph) Protozoa cl. Ciliata
Sea urchin (Ph) Echinodermata, (cl) Echinoidea
Sand dollar
Spermatozoa of echinoderms

VIRGINIA

UNIVERSITY OF VIRGINIA

Behavioral Neuroscience
Charlottesville, VA 22901
CHAIRMAN: Menaker (Bio) 804-924-7169
Scarr (Psychology) 804-924-3374
DEGREES: MA, MS, PhD ENROLLMENT: 10
CONTACT: Phil Best

Emilie Rissman Asst. Prof.
Cornell Univ. Ph.D 1984 804-924-6862
Endocrine hormonal mechanism
Sexual behavior
Chemical communication
The roles of social and environmental cues on reproductive behavior;
Behavioral endocrinology
Musk shrew (Mammalia:Insectivora:Soricidae)

Douglas G. Mook Prof.
Univ. of Pennsylvania Ph.D 1962 804-924-0681
Feeding/ingestion
Motivation/emotions
Sensory mechanisms
Rat (Mammalia:Rodentia:Muridea)

Philip J. Best Prof.
Princeton Univ. Ph.D 1965 804-924-0686
Neurophysiological correlates
Learning and memory
Navigation
brain processing of complex cognitive functions
Rat (Rodentia:Muridae:Rattus Norvigios)

Peter C. Brunjes Assoc. Prof.
Indiana Univ. Ph.D 1979 804-924-0687

Development/ontogeny
Sensory mechanisms: chemical
Neural mechanisms: development
Development of olfactory system, comparative studies of rodent brain growth
Rats (*Rattus Nonvegicus*:Muridae:Rodentia Mammalia)
Spiny mouse (*Acomys Cahirinus*:Muridae:Rodentia Mammalia)

Paul E. Gold Prof.
Univ. of North Carolina Ph.D 1971 804-924-0685
Memory
Neural mechanisms
Drug studies
Neuroendocrine regulation of memory storage
Rat
Mouse

Michael Menaker Prof.
Princeton Univ. Ph.D 1960 804-924-7169
Rhythms (biological)
Endocrine/hormonal mechanisms
Sensory mechanisms
Circadian organization in vertebrates/photoperiodic control of reproduction
Sparrows, chickens, pigeons (*Aves*: Passeriformes: Galliformes:Columbiformes)
Hamsters, Mice (*Mammalia*:Rodentia)
Lizard spp. (*Reptilia*:Sauria)
Trout (*Pisces*)

W. Otto Friesen Assoc. Prof.
Univ. of Calif, San Diego Ph.D 1974 804-924-7841
Neural mechanisms
Locomotion
Drug studies
Neural control of locomotion in leeches
Leech (*Annelida*:Hirudine)
Medical leech (*Hirudo medicinalis*)

VPI & SU
Biology
Blacksburg, VA 24061
CHAIRMAN: E.R. Stout
DEGREES: M.S., Ph.D ENROLLMENT: 1
CONTACT: F.M.A. McNabb

Curtis S. Adkisson Assoc. Prof.
Univ. of Michigan Ph.D 1973 703-961-6347
Acoustic communication
Social behavior
Behav ecol
Evolution of dialects and other vocal variation; habitat selection
Red crossbill (*Aves*:Passeriformes:Fringillidae)
Pine grosbeak (*Aves*:Passeriformes:Fringillidae)
Bluejay (*Aves*:Passeriformes:Corvidae)

VIRGINIA COMMONWEALTH UNIVERSITY
Biology
Richmond, VA 23284-2012
CHAIRMAN: Jackson E. Jeffrey 804-257-1562

DEGREES: MS
CONTACT: John F. Pagels

Russell V. Brown Prof.
Iowa State Ph.D 1962 804-257-1562
Behavioral genetics
Learning, environmental effects on genetics and molecular pathology
Dog (*Canidae*:Domesticus)
Mice (*Mus*:Muscularis)
Fruit fly (*Drosophila*:melanogaster)

C.R. Blem Prof.
Univ. of Illinois Ph.D 1969 804-257-1562
Foraging
Habitat selection
Energetics/distribution
Several passerine species (*Passeriformis*)
E. Cottonmouth watersnakes (*Serpentes*)

Michael L. Fine Assoc. Prof.
Univ. of Rhode Island Ph.D 1976 804-257-1562
Communication
Neuroethology
Endocrine/hormonal mechanisms
Neuroethology of fish sound production
Toadfish (*Batrachoididae*)
Croaker (*Sciaenidae*)
Seatrout (*Scaenidae*)

Greg C. Garman Asst. Prof.
Univ. of Maine Ph.D 1984 804-257-1562
Foraging
Predator/prey
Fish feeding behavior
Boney fishes (*Osteichthyes*)

CANADA - ALBERTA

UNIVERSITY OF ALBERTA
Zoology
Edmonton Alberta T6G2E9 Canada
CHAIRMAN: R.E. Peter
DEGREES: M.S., Ph.D ENROLLMENT: 25
CONTACT: Associate Chairman

Stan Boutin Asst. Prof.
Univ. of British Columbia Ph.D 1982 403-432-5494
Behavioural ecology
Communication
Social behaviour
Territoriality, dispersal, dominance, population regulation
Red squirrels (*Mammalia*:Rodentia:Sciuridae)
Muskrats (*Mammalia*:Rodentia:Cricidae)
Snowshoe hares (*Mammalia*:Lagomorpha:Leporidae)

CANADA - BRITISH COLUMBIA

UNIVERSITY of BRITISH COLUMBIA

Poultry Science
 Vancouver, British Columbia V6T 2A2 Canada
 CHAIRMAN: D.B. Bragg
 DEGREES: M.S., Ph.D ENROLLMENT: 3
 CONTACT: K.M. Cheng

Kimberly M. Cheng Assoc. Prof.
 Univ. of Minnesota Ph.D 1978 604-228-2480
 Social behav-sex and reproduction
 Applied ethol; Behav ecol
 Mating behavior; mating systems; social interactions and management;
 Sperm competition; evolution and survival value; behavioral genetics
 Chickens (Aves:Galliformes)
 Japanese Quail (Aves:Galliformes:Phasianidae)
 Pigeons (Aves:Columbiformes:Columbidae)
 Waterfowl (Aves:Anseriformes)
 Chinese Painted Quail (Aves:Galliformes)

UNIVERSITY of BRITISH COLUMBIA
 Psychology
 Vancouver British Columbia V6T 1W5
 CHAIRMAN: Richard C. Tees 604-228-3245
 DEGREES: MA, Ph.D ENROLLMENT:
 CONTACT: Donald M. Wilkie

Donald M. Wilkie Assoc. Prof.
 Manitoba Ph.D 1970 604-228-4650
 Learning
 Behavioral ecology
 Spatial memory; timing
 Pigeon
 Rat
 Gerbil

Boris Gorzalka Assoc. Prof.
 Univ. of California Ph.D 1974 604-228-3095
 Endocrine/hormonal mechanisms
 Reproductive behavior
 Rat
 Mongolian gerbil
 Mouse

John P.J. Pinel Prof.
 McGill Univ. Ph.D 1969 604-228-4656
 Learning
 Drug studies
 Neural mechanisms
 defensive burying, drug tolerance, seizures
 Rat (Rodentia)
 Mouse (Rodentia)
 Hamster (Rodentia)

Richard Tees Prof.
 University of Chicago Ph.D 1965 604-228-3245
 Development/ontogony
 Neural mechanisms
 Sensory and cognitive processes in mammals:
 development/experience
 Long Evans rats (Rattus:Norvegicus)

Gerbils

Roderick Wong Prof.
 Northwestern Ph.D 1963 604-228-2719
 Motivation/emotion
 Feeding/Ingestion
 Social behavior
 Food-hoarding; specific appetites
 Syrian hamster (Mesocricetus:Auratus)
 Mongolian gerbil (Meriones:Unsuiculatus)

D.J. Albert Assoc. Prof.
 McGill Univ. Ph.D 1964 604-228-2296
 Social behavior
 Neural mechanisms
 Neurobiology of aggression
 Rats

A.G. Phillips Prof.
 Univ. of Western Ontario Ph.D 1970 604-228-4624
 Neural mechanisms
 Learning
 Motivation/emotion
 Neurochemistry, electrophysiology
 Rat

Catherine H. Rankin NSERC-URF
 City Univ. of New York Ph.D 1984
 Neural mechanisms
 Learning
 Social behavior
 Neural mechanisms of learning and memory, development of learning and memory; roles of strong electric organ discharges in social behavior
 Aplysia, Sea hare (Mollusca:Gastropoda:Opisthobranch)
 Strong-electric catfish (Pisces:Siluriformes:Malapteruridae)

Fred P. Valle Prof.
 Univ. of Michigan Ph.D 1967
 Learning
 Motivation
 Behavior genetics
 Role of learning in body-fluid regulation
 Rat (Mammalia:Rodentia:Muridae)

UNIVERSITY of BRITISH COLUMBIA
 Zoology
 Vancouver, British Columbia V6T 2A9 Canada
 CHAIRMAN: G.G.E. Scudder 604-228-2131
 DEGREES: MS, Ph.D ENROLLMENT: 10
 CONTACT: Graduate Admissions Secretary

C. Lee Gass Assoc. Prof.
 Univ. of Oregon Ph.D 1974 604-228-5844
 Behav ecol
 Methodol-data collect/analysis
 Other - Animal intelligence
 Economics of territoriality; cognitive mechanisms in foraging; tracking; variable environments; real-time data acquisition and process control;
 Spatial and temporal pattern recognition
 Rufous Hummingbird (Aves:Apodiformes:Trochilidae)
 Caliope Hummingbird (Aves:Apodiformes:Trochilidae)

SIMON FRASER UNIVERSITY

Biological Sciences
Burnaby, British Columbia V5A 1S6
CHAIRMAN: L. Srivastava 604-291-3535
DEGREES: M.S., Ph.D ENROLLMENT: 18
CONTACT: Larry Dill or M. Gross

Lawrence M. Dill Prof.
Univ. of British Columbia Ph.D 1972 604-291-3664

Behav ecol
Evolution/survival value
Social behav
Development and laboratory testing of optimality models of foraging;
Predator-avoidance and territorial behaviors
Coho salmon (Osteichthyes:Salmoniformes:Salmonidae)
Water Stüder (Insecta:Hemiptera:Gerridae)
Ducks-Mergansers (Aves:Anseriformes:Anatidae)

Mart R. Gross Assoc. Prof.
Univ. of Utah Ph.D 1980 604-291-4627

Evolution/survival value
Social behav-sex and reproduction
Behav ecol
Evolution of mating systems, parental care and life histories, especially in fishes
Fish (Osteichthyes)

Alton S. Harestad Asst. Prof.
Univ. of British Columbia Ph.D 1979 604-291-4809

Behav ecol
Applied ethol-wildlife
Natural hist/descriptive studies
Wildlife; habitat selection; foraging behavior; migration
Ground squirrels (Mammalia:Rodentia:Sciuridae)
Deer (Mammalia:Artiodactyla:Cervidae)
Wolverine (Mammalia:Carnivora:Mustelidae)
Woodpeckers (Aves:Piciformes)

Bernie D. Roitberg Asst. Prof.
Univ. of Massachusetts Ph.D 1982 604-291-3585

Behav ecol
Evolution/survival value
Behav ecol - foraging
Plant-insect interaction; parasite behavioral ecology; host-marking
Pheromones; foraging behavior
Oregon grape fly (Insecta:Diptera:Tephritidae)
Rose hip Maggot (Insecta:Diptera:Tephritidae)
Apple Maggot (Insecta:Diptera:Tephritidae)
Pea Aphid (Insecta:Homoptera:Aphididae)

Nicholaas A.M. Verbeek Assoc. Prof.
Univ. of Calif, Berkeley Ph.D 1970 604-291-4592

Evolution/survival value
Natural history/descriptive studies
Reproduction and foraging ecology, predator-prey relationships
Crows (Aves:Passeriformes:Corvidae)
Gulls, Terns (Aves:Charadriiformes:Laridae)
Guillemots (Aves:Charadriiformes:Alcidae)

Mark Winston Assoc. Prof.
Univ. of Kansas Ph.D 1978 604-291-4459
Evolution/survival value
Communications-chemical
Natural history/descriptive studies
Life history, caste structure, reproduction in social insects;
Pheromones of honey bees and their pests; sublethal pesticide impact on pollinators
Honey bees (Insecta:Hymenoptera:Apidae)
Bee pollinators (Insecta:Hymenoptera)
Wax moths (Insecta:Lepidoptera:Phycitidae)

Ronald C. Ydenberg Asst. Prof.
Oxford Univ. Ph.D 1982 604-291-4282

Behav ecol
Social behav
Evolution/survival value
foraging behavior; parent-offspring conflict; social behavior
Birds (Aves)
Honey bees (Insecta:Hymenoptera:Apidae)

UNIVERSITY of VICTORIA

Biology
Victoria British Columbia V8V 1X4 Canada
CHAIRMAN: J. McInerney 604-721-7090
DEGREES: M.Sc, Ph.D ENROLLMENT
CONTACT: E.D. Styles

E.H. Miller Adj. Assoc. Prof.
Dalhousie Ph.D 1977 604-387-5706

Acoustic communication
Evolution
Territoriality/social systems
Acoustics, social behaviour, behavioural evolution, systematics
Shorebirds (Aves:Charadriiformes)
Birds (Aves)

D.V. Ellis Prof.
McGill Univ. Ph.D 1957 604-721-7106

Applied ethology; other - environmental impact
Human ethology
Natural history/descriptive studies
Functional responses and adaptations to environmental and evolutionary stresses
Pacific salmon (Pisces:Salmonidae)
Proboscis monkey (Primates:Colobinae)
Cleaner fish (Pisces:Chondrichthyes)
Human (Primates:Hominidae)
Invertebrates

CANADA - NEW BRUNSWICK

MOUNT ALLISON UNIVERSITY

Biology
Sackville Prov. New Brunswick EOA 300 Canada
CHAIRMAN: C. Patterson 506-364-2501
DEGREES: M.Sc ENROLLMENT:
CONTACT: P. Mladenov

Jean-Guy J. Godin Asst. Prof.

Univ. of British Columbia Ph.D 1979 506-364-2507
 Behavioural ecology
 Evolution/Survival value
 Social Behaviour
 Testing benefit-cost and optimality models of foraging and predatory-avoidance behaviours
 Salmon (Osteichthyes:Salmoniformes:Salmonidae)
 Trout (Osteichthyes:Salmoniformes:Salmonidae)
 Banded killifish
 (Osteichthyes:Cyprinodontiformes:Cyprinodontidae)
 Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)
 Guppies (Osteichthyes:Atheriniformes:Poeciliidae)

CANADA- NEWFOUNDLAND

**MEMORIAL UNIVERSITY of
 NEWFOUNDLAND**

Biopsychology
 St. John's Newfoundland A1B3X9 Canada
 CHAIRMAN: Deane Renouf 709-737-8414
 DEGREES: MSc, Ph.D ENROLLMENT: 6
 CONTACT: Deane Renouf

D. Burton Assoc. Prof.
 London Ph.D 1964 709-737-7518
 Chromatophores
 Color change
 Neural/Endocrine mechanisms
 Flatfish patterning mechanisms
 Winter flounder (Osteichthyes:Heterosomata:Pleuronectidae)

David Schneider Asst. Prof.
 SUNY Ph.D 1978 709-737-4337
 Prey/predator interactions
 Oriented movement in fluid environments
 Birds (Marine) (Aves)
 Mammals (Marine) (Mammalia)

Joseph A. Brown Asst. Prof.
 Queen's Univ. Ph.D 1983 709-726-6681
 Development/ontogeny
 Behavioral Ecology
 Social Behavior
 Adaptive value of behavioral ontogeny; ontogeny of optimal foraging;
 Ontogeny of predator avoidance; sexual selection/mate choice
 Lumpfish (Pisces:Peromorphi:Cydopteridae)
 Atlantic Cod (Pisces:Amacanthini:Gadidae)
 Radiated Shamy (Pisces:Peromorphi:Stichaeidae)
 Winter Flounder (Pisces:Heterosomata:Pleuronectidae)
 Shorthorn Sculpin (Pisces:Peromorphi:Cottidae)

Jon Lien Prof.
 Ph.D 1970 709-737-7642
 Applied Animal Behavior
 Orientation
 Communication
 Marine mammal conflict with fishing
 Humpback whale
 Blue whale
 Basking shark

John M. Green Prof.
 Univ. of British Columbia Ph.D 1968 709-737-7525
 Behavioural ecology
 Reproductive behaviour
 Migration
 Fishes (Salmonidae:Labridae:Gadidae:Cottidae)

W. A. Montevecchi Prof.
 Rutgers Univ. PhD 1975 709-737-7673
 Behavioral Ecology
 Energetics of Reproduction
 Sociobiology
 Seabird behavior and energetics
 Seabirds (Aves:Peleceniformes:Sulidae)
 Seabirds (Aves:Procellariiformes:Procellariidae)
 Seabirds (Aves:Charadriiformes:Alcidae)

Charles W. Malsbury Assoc. Prof.
 McGill Univ. Ph.D 1972 709-737-7685
 Sex & reproduction
 Neural mechanisms
 Rodents (Mammalia:Rodentia:rats & hamsters)

Robert Adamec Assoc. Prof.
 McGill Univ. Ph.D 1974 709-737-8121
 Neuroethology
 Defensive behavior - animal models of anxiety
 Neural mechanisms of emotion
 Ethology of felines/neurophysiology/neuropharmacology
 Mammalia:Felis:Catus
 Mammalia:Rattus:Norvigecus

CANADA - NOVA SCOTIA

DALHOUSIE UNIVERSITY

Psychology
 Halifax Nova Scotia B3H 4J1
 CHAIRMAN: V.M. LoLordo 902-424-3839
 DEGREES: MA, PhD ENROLLMENT: 8
 CONTACT: R. Klein

James W. Clark Assoc. Prof.
 Queens Univ. Ph.D 1958 902-424-3434
 History
 History of comparative psychology

Roger Croll Res. Fellow
 McGill Univ. Ph.D 1978 902-424-6417
 Neural mechanisms
 Sensory mechanisms
 Feeding/ingestion
 Cellular mechanisms underlying behavior in gastropods
 Sea slug (Mollusca:Gastropoda)
 Pleurobranchia (Mollusca:Gastropoda)

John C. Fentress Prof.
Cambridge Univ. Ph.D 1965 902-424-2522
Development/ontogeny
Neural mech-motor control
Social behavior
Organization and development of mammalian behavior patterns
Mice (Mammalia:Rodentia:Muridae)
Wolves (Mammalia:Carnivora:Canidae)
Coyotes (Mammalia:Carnivora:Canidae)

Werner K. Honig Prof.
Duke Univ. Ph.D 1958 902-424-3426
Learning - complex
Learning - memory
Cognitive aspects of learning and memory in animals
Pigeons (Aves:Columbiformes:Columbidae)
Rats (Mammalia:Rodentia:Muridae)

Vincent M. LoLordo Prof.
Pennsylvania Ph.D 1966 902-424-3839
Learning
Drug Studies
Biological factors in conditioning and learning
Pigeons (Aves:Columbiformes:Columbidae)
Rats (Mammalia:Rodentia:Muridae)

Bruce R. Moore Assoc. Prof.
Stanford Univ. Ph.D 1971 902-424-3428
Behav Ecol-Orient/Nav/Migrat/Homing
Communication - acoustic
Learning
Avian navigation: biological constraints on learning
Homing pigeons (Aves:Columbiformes:Columbidae)
African Grey Parrot (Aves:Psittaciformes:Psittacidae)

Robert S. Rodger Prof.
Belfast Ph.D 1961 902-424-7146
Methodol-Data Analysis
Statistical methods for analysis of behavior sequences

Benjamin Rusak Prof.
Univ. of Calif. Berkeley Ph.D 1975 902-424-2159
Biological rhythms
Neural mechanisms
Sensory mechanisms - vision
Neural regulation of biological rhythms
Hamster (Mammalia:Rodentia:Cricetidae)

Richard E. Brown Assoc. Prof.
Dalhousie Univ. Ph.D 1976 902-424-2417
Endocrine
Hormonal mechanisms
Social behavior
Development and hormonal control of olfaction, ultrasonic communication,
parental & sexual behavior rodent
Rats (Mammalia:Rodentia:Muridae)
Mice (Mammalia:Rodentia:Muridae)
Gerbils (Mammalia:Rodentia:Cricetidae)
Hamsters (Mammalia:Rodentia:Cricetidae)

CANADA - ONTARIO

UNIVERSITY of GUELPH
Zoology
Guelph Ontario N1G 2W1 Canada
CHAIRMAN: R.C. Anderson
519-824-4120 ex 2756
DEGREES: M.Sc, M.Sc, Ph.D, D.V.M.
ENROLLMENT:
CONTACT: Dean, Faculty of Graduate Studies

David L.G. Noakes Assoc. Prof.
Univ. of California, Berkeley Ph.D 1971
519-824-4120 ex 2747

Development
Behavioral ecology
Social behavior
Social behavior; courtship, mating and parental investment
territoriality
Early development and behavioral development
hermaphroditic species; ecology, behavior and evolution
habitat choice, physical factors and environment
Brook charr (Chordata:Pisces:Salmonidae)
Minnows (Chordata:Pisces:Cyprinidae)
Lake charr (Chordata:Pisces:Salmonidae)
Arctic charr (Chordata:Pisces:Salmonidae)
Killifish (Chordata:Pisces:Salmonidae)

McMASTER UNIVERSITY
Psychology
Hamilton, Ontario L8S 4K1 Canada
CHAIRMAN: Lorraine G. Allan
416-525-9140 ex 3023
DEGREES: Ph.D ENROLLMENT: 56
CONTACT: Grant K. Smith

Denys deCatanazaro Assoc. Prof.
Univ. of British Columbia PhD 1979
416-525-9140 ex 3014

Social Behavior - Sex and reproduction
Endocrine/Hormone Mechanisms
Motivation/Emotion
Effects of psychological stress and related endocrine system
upon sexual behavior and reproductive physiology in laboratory
mammals.
Mice (Mammalia:Rodentia:Muridae)
Rats (Mammalia:Rodentia:Muridae)

Martin Daly Prof.
Univ. of Toronto Ph.D 1971
416-525-9140 ex 3018

Behavioral Ecology
Social Behavior
Evolution/Survival Value
Field & lab research on kangaroo rat social, foraging and anti-
predator behavior
Human violence, especially within the family
Consequences of the uncertainty of paternity
Kangaroo rats (Mammalia:Rodentia:Heteronydae)
Human (Mammalia:Primates:Hominidae)

Paula J. Durlach Asst. Prof.
 Yale University Ph.D 1982
 Learning - Pavlovian (other)
 Learning - Extinction
 Learning - timing (other)
 The mechanisms by which inter-event correlations influence
 Associative learning and the expression of that learning in
 behavior
 Rat (Mammalia:Rodentia)
 Pigeon (Aves:Columbiformes)

Bennett G. Galef, Jr. Prof.
 Univ. of Pennsylvania PhD 1968
 416-525-9140 ex 3017
 Social learning
 Development
 Feeding
 The role of social learning in the development of adaptive
 behavioral phenotypes especially with regard to feeding and
 poison avoidance
 Norway rat (Mammalia:Rodentia:Muridae)
 Mongolian gerbil (Mammalia:Rodentia:Cricetidae)

Craig W. Hawryshyn Asst. Prof.
 Univ. of Waterloo Ph.D 1984
 416-525-9140 ex 3023
 Sensory mechanisms - vision
 Neural mechanisms of behavior
 Behavioral ecology orientation/navigation
 Ultraviolet-polarization sensitivity in fish and its relevance for
 Spatial orientation and navigation
 Behavioral, ecological and evolutionary aspects of color vision
 in fish (Cichlids of Lake Malawi)
 Rainbow trout (Osteichthyes:Salmoniformes:Salmonidae)
 Carp (Osteichthyes:Cypriniformes:Cyprinidae)
 Goldfish (Osteichthyes:Cypriniformes:Cyprinidae)
 Cichlids (L. Malawi) (Osteichthyes:Perciformes:Cichlidae)

Christopher David Rollo Assoc. Prof.
 Univ. of British Columbia PhD 1978
 Behavioral Ecology
 Evolution
 Motivation
 General rules underlying the form and function of organisms.
 Integrative
 Aspects of morphology, behavior (time budgeting) and
 physiology (resource allocation and life history tactics).
Periplaneta americana (Insecta:Blattellidae)
Deroceras laeve (Mollusca:Limacidae)

Harvey Weingarten Assoc. Prof.
 Yale Univ. PhD 1979
 416-525-9140 ex 3024
 Feeding/ingestion
 Neural mechanisms
 Motivation/emotion
 Physiological and behavioral analyses of feeding behavior
 Norway rat (Rodentia:Muridae)

QUEEN'S UNIVERSITY
 Biology
 Kingston Ontario K7L 3N6 Canada
 CHAIRMAN: D.T. Dennis 613-547-2621
 DEGREES: MSc, Ph.D ENROLLMENT: 35
 CONTACT: Chairman

Raleigh J. Robertson Prof.
 Yale P.hD 1971 613-547-2621
 Behavioural ecology
 Mating systems
 Parental care
 Evolution of mating systems, delayed plumage maturation,
 Infanticide,
 Hole-nesting birds
 Tree swallow (Aves:Passeriformes:Hirundinidae)
 Redwinged blackbird (Aves:Passeriformes:Icteridae)
 Yellow warbler (Aves:Passeriformes:Emberizidae)
 Eastern blue bird (Aves:Passeriformes:Muscicapidae)
 Eastern kingbird (Aves:Passeriformes:Tyrannidae)

Laurene Ratcliffe Asst. Prof. (Adjunct)
 McGill Univ. Ph.D 1981 613-545-6142
 Communication-acoustic (birdsong)
 Social behavior - kin recognition
 Behavioral ecology
 Song syntax and species recognition; neighbour-stranger
 Discrimination,
 Mate choice
 Black-capped chickadee (Aves:Passeriformes)
 Brown-headed cowbird (Aves:Passeriformes)
 Zebra finch (Aves:Passeriformes)

YORK UNIVERSITY
 Biology
 Toronto Ontario M3J 1P3 Canada
 CHAIRMAN: Brock Fenton 416-736-2335
 DEGREES: M.S., Ph.D ENROLLMENT: 10
 CONTACT: Barry Loughton

Marla B. Sokolowski Asst. Prof.
 Univ. of Toronto Ph.D 1981 416-736-5391
 Behavioral genetics
 Behavioral ecology
 Evolution
 Behavior genetics and ecology of *Drosophila* foraging and
 pupation
 Patterns/habitat selection/maintenance of behavioral genetic
 polymorphisms
 Fruit fly (Insecta:Diptera)

CANADA - QUEBEC

CONCORDIA UNIVERSITY

Biology
Montreal, Quebec H3G 1M8
Canada
CHAIRMAN: Ed Maly 514-848-3400
DEGREES: M.S. ENROLLMENT: -0-
CONTACT: Muriel Herrington

Perry D. Anderson Assoc. Prof
Oregon State Univ. Ph.D 1973 514-848-3391
Biological rhythms
Social Behavior
Learning
Thermoregulation, avoidance, reinforcement
Rainbow trout (Osteichthyes)
Brooke trout (Clupeiformes)
Lake trout (Salmonidae)
Atlantic salmon (*Salmo gairdneri*)
Pacific salmon (*Salvelinus fontinalis*)

Ed Maly Prof.
Princeton Univ. Ph.D 1968 514-848-3390
Behavioral ecolog.
Social Behavior
Predator-prey interactions, sex and reproduction
Copepods (Crustacea:Copepoda:Diaptomidae)
Cladocerans (Crustacea:Cladocera:Daphnidae)
Insect & fish predators on zoo plankton

Luc-Alain Giraldeau Asst. Prof.
McGill Ph.D 1985 514-848-3400
Behav. Ecol. - Foraging
Social Behav.
Sex & Reproduction
Spice finch (Aves:Passeriformes:Estrildidae)
Zebra finch (Aves:Passeriformes:Estrildidae)
Feral Pidgeon (Aves:Polubiformes:Columbidae)
Chipmunk (Mammalia:Rodentia:Sciuridae)

Daphne Fairbairri Assoc. Prof.
UBC Ph.D 1976 514-848-3397
Behavioral Ecol
Social Behav.
Descriptive studies/natural history
Insect migration and flight; mating patterns; orientation
(semi-aquatic insects)
Waterstriders (Insecta:Hemiptera:Gerridae)

L'UNIVERSITE LAVAL

Biologie
Quebec City, Quebec G1K 7P4 Canada
CHAIRMAN: Lucien Huot 418-658-0856
DEGREES: MSc, Ph.D ENROLLMENT: 20
CONTACT: Jean-Marie Perron

Gerard J. FitzGerald Prof.
Univ. of Western Ontario Ph.D 1976 418-656-2469
Behavioral Ecology
Social Behavior
Evolution/Survival Value
Territoriality, aggression, cannibalism, sex intra- and interspecific competition
Migration
Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)

JAPAN

MEI UNIVERSITY

Fisheries
Tsu Mie 514
CHAIRMAN: K. Hayashi 0592-32-1211
DEGREES: M.Sc, Dr. Sc ENROLLMENT:
CONTACT:

Makoto Nagoshi Assoc. Prof.
Kyoto Univ. Dr. Sc. 1968 0592-32-1211
Survival value
Sex and reproduction
Social behavior
Social influence on population dynamics
Salmon (Pisces:Teleostei:Salmonidae)
Cichlid (Pisces:Teleostei:Cichlidae)
Sand eel (Pisces:Teleostei:Ammodytidae)

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NOTE to the Membership: This concludes the UPDATE. Robert Matthews, ABS Education Committee, will eventually receive the database containing the entire supplement to the Graduate Programs booklet. He will make this information available to prospective graduate students who write to him for the 1985 version.

* * *

ABS COMMITTEES

President Fentress extends his thanks to those who volunteered for service on committees. The following list presents names, addresses, and phone numbers for chairpersons. (Year term expires is in parentheses.) A name appearing in brackets means that President Fentress was unsure of some detail regarding the appointment as of press time. These matters will be cleared up as soon as possible; a few more appointments will be made by May, 1989.

ANIMAL CARE:

Chair, Janis W. Driscoll (1989)
Dept of Psychology, Box 173
Univ of Colorado, Denver
1200 Larimer Street
Denver CO 80204
Office: 303-556-2601 or 303-556-8565

Melinda Novak (1991)
Scott Line (1991)
Jennifer Mather (1989)
Thomas Rambo (1989)
Judith Gibber (1990)
[Gail Michener]

EDUCATION

Chair, Lawrence Williams (1989)
Dept of Comparative Medicine
Primate Research Lab
College of Medicine
Univ of South Alabama
Mobile AL 36688
Office: 205-460-6239 or 205-460-6293

Katherine Bruce (1991)
Peter Judge (1991)
Penny Bernstein (1989)
Michael Johnson (1989)
Julia Chase (1990)
Charles Snowdon (Ex officio)
Sidney Gauthreaux, Jr. (Ex officio)

FILM

Chair, Jack Demarest
Dept of Psychology
Monmouth College
West Long Branch NJ 07764
Office: 201-571-3447

Eric Van Den Bergh (1991)
Jay Labou (1989)
Debra Forthman Quick (1989)
Ronald Langley (1991)
Steven Hopp (1990)
[Carolyn Ristau (1990)]

ABS HISTORIAN

Donald Dewsbury
Dept of Psychology
Univ of Florida
Gainesville FL 32611
Office: 904-392-0596

MEMBERSHIP

Chair, Ira B. Perelle (1989)
Mercy College
Dobbs Ferry NY 10522
Office: 914-693-4500

Jill Mellen (1991)
Vickie Backus (1990)
Stim Wilcox (1990)

NOMINATIONS

Jeanne Altmann
Gordon Burghardt
Sidney Gauthreaux, Jr.

ORGANIZATION AND BYLAWS

Chair, Edward Burt, Jr. (1989)
Dept Biological Science
Ohio Wesleyan Univ
Delaware OH 43105
Office: 614-369-4431, Ext. 400

George Waring (1992)
Jeffrey Lucas (1990)

POLICY AND PLANNING

Chair, Charles Blaich (1989)
Dept of Psychology
Eastern Illinois Univ
Charleston IL 61920
Office: 217-581-2158

David Duvall (1989)
L. James Shapiro (1989)
C. N. Slobodchikoff (1989)
[Dorothy Fragaszy]
Charles Snowdon (Ex officio)
Sidney Gauthreaux, Jr. (Ex officio)
Edward Burt, Jr. (Ex officio)

PUBLIC AFFAIRS

Chair, George Waring (1989)
Dept of Zoology
Southern Illinois Univ
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