



# NEWSLETTER

## Animal Behavior Society

Vol. 33, No. 1  
February, 1988  
A quarterly publication

*David Chiszar, ABS Secretary*

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

### ABS NATIONAL CONVENTION, 1988

To be held at the University of Montana, Missoula, MT., 7-13 Aug 1988. Deadline for abstracts and transmittal forms is 25 March 1988. These materials (see November Newsletter) should be sent to ABS Program Officer, Susan E. Riechert, Biol Dept, Univ Tennessee, Knoxville, TN 37996. In accordance with the practices of other societies, ABS now requires that individuals pre-register at the time of submitting an Abstract. (Persons not submitting abstracts may register by June 10 without penalty.) 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: Charles Snowdon, Dept of Psychology, Univ of Wisconsin, Madison WI 53706

ANIMAL BEHAVIOUR--Missing, defective, or back issues; changes of address: H. Jane Brockmann, Dept of Zoology, Univ of Florida, Gainesville FL 32611

### PRINTING COSTS

The last newsletter used newsprint at a considerable saving to ABS, and I received about thirty comments on this decision. Only four of these were negative. Accordingly, I will continue to use newsprint--at least until the 1988 meeting when I'll have a chance to hear from more of you. Don't hesitate to drop me a note about your feelings in this matter. My printer is trying to acquire better grades of paper that will still give ABS a considerable savings. Accordingly, I will make every attempt to use the best quality paper that my budget will allow. Incidentally, savings in this area will permit us to upgrade the postage on newsletters for foreign members.

### ABS OFFICERS

PRESIDENT: Sydney Gauthreaux, Jr., Dept of Zoology, Clemson Univ Clemson, SC 29631  
1st PRESIDENT-ELECT: John Fentress, Depts of Psychology and Biology, Dalhousie Univ Halifax, Nova Scotia B3H 4J1 Canada

2nd PRESIDENT-ELECT: Patrick Colgan, Biology Dept, Queen's Univ Halifax, Nova Scotia Canada B3H 4J1  
PAST-PRESIDENT: Gordon Burghardt, Dept of Psych, Univ of Tennessee Knoxville TN 37916  
SECRETARY: (1987-1990) David Chiszar, Dept Psych, Univ of Colorado Boulder CO 80309  
TREASURER: (1985-88) H. Jane Brockmann, Dept Zoology, Univ of Florida Gainesville FL 32611  
PROGRAM OFFICER: (1986-89) Susan Riechert, Dept Zoology, Univ of Tennessee Knoxville, TN 37916  
PARLIAMENTARIAN: (1986-89) Edward H. Burt, Jr., Dept Zoology, Ohio Wesleyan Univ Delaware OH 43015  
EDITOR: (1985-88) Charles Snowdon, Dept Psychology, Univ of Wisconsin Madison WI 53706  
MEMBER-AT-LARGE: (1985-88) Gail Michener, Dept Biol Sci, Univ of Lethbridge Lethbridge, Alberta, Canada T1K 3M4  
MEMBER-AT-LARGE: (1986-89) Jan Randall, Biol Dept, San Francisco State Univ San Francisco CA 94132  
MEMBER-AT-LARGE: (1987-90) Julia Chase, Biol Dept, Barnard College Columbia Univ, New York NY 10027

### ABS STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS

1 JULY 1986 TO 30 JUNE 1987

#### BEGINNING BALANCE

First City Bank, Gainesville, FL	
Checking account.....	\$ 12,586
Money Management account.....	\$ 13,146
Florida Federal Savings and Loan Association, Gainesville, FL -	
Certificate of Deposit.....	\$ 69,618
Empire of American Savings Bank, Gainesville, FL -	
Certificate of Deposit.....	\$ 27,906
Editor's Fund (cash).....	\$ - 160
Secretary's Fund (cash).....	\$ 0
<b>TOTAL BEGINNING BALANCE</b>	<b>\$123,096</b>

#### REVENUE RECEIVED

Membership Dues	
Regular.....	\$ 53,400
Student and emeritus.....	\$ 14,360
Spouse.....	\$ 667
Subscriptions to Publications	
Journal.....	\$ 1,116
Newsletter.....	\$ 7
Interest .....	\$ 10,012
Late Fees .....	\$ 2,168
Mailing Labels .....	\$ 1,434

Graduate Programs in		
Behavior Pamphlet .....	\$	417
Film Lists .....	\$	43
Advertisements in Annual		
Meeting Program .....	\$	200
Donation from ASAB		
for Editorial Office .....	\$	1,000
Other Misc. Donations .....	\$	40
Reimbursement from IEC		
to Secretary .....	\$	350
Return from NCSU		
Annual Meeting .....	\$	138
<b>TOTAL REVENUE RECEIVED</b>		<b>\$ 85,352</b>
<b>TOTAL FUNDS AVAILABLE</b>		<b>\$208,448</b>

**EXPENDITURES**

ASAB for Journal		
<i>Animal Behaviour</i> .....	\$	33,670
First President Elect		
(Founder's Award) .....	\$	0
Second President Elect		
(Allee Award) .....	\$	250
Secretary Christianson .....	\$	5,727
Secretary Chiszar .....	\$	1,299
Treasurer .....	\$	9,590
Editor of <i>Animal Behaviour</i> .....	\$	23,546
Program Officer .....	\$	3,498
Member-at-Large (research grants) .	\$	200
Education Committee .....	\$	194
Film Committee .....	\$	469
Animal Care Committee .....	\$	0
Membership Committee .....	\$	354
AIBS Dues .....	\$	1,063
<b>TOTAL EXPENDITURES</b>		<b>\$ 79,860</b>

**ENDING 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
<b>TOTAL ENDING BALANCE</b>		<b><u>\$128,588</u></b>

**OPPORTUNITIES**

**LABORATORY FELLOWSHIPS-** Summer, 1988. Announcing the Founder's Fellowship in field studies for pre-doctoral students--a summer at The Iowa Lakeside Laboratory. The stipend is \$2,000, tuition free; fellows pay modest fees for room/board and lab space. Fellowships honor founder, Thomas H. Macbride. Applicants will be doctoral candidates at the level of independent investigator whose work has a field component for which a summer at the Iowa station would be especially

profitable. Lakeside Lab is in northwestern Iowa on recent glacial terrain, with adjacent lakes, wetlands, virgin prairie, prairie rivers, and pockets of forest. The lakes country is continuous to the north and the Great Plains to the west. Our own 55 ha grounds border large and deep West Okoboji Lake, we have forest and manipulable grassland. Conditions: rustic but not primitive, an air of relaxed intensity, food unbelievable. Research labs are relatively new and we have a small library. Interested applicants should write the director for more about the area and facilities: Dr. Richard V. Bovbjerg, Director, Dept Biol, Univ of Iowa, Iowa City, IA 52242. Application will contain cover letter, vitae, and a 1 or 2 page synopsis of proposed project. Specific reasons why our station is so suitable are critical to the application. Two letters are requested, including one from the research sponsor. Applications will be considered up to 1 April 1988.

**GRADUATE STUDENT FELLOWSHIPS-** Fall 1988. Through a grant from the Louisiana Education Quality Support Fund, three fellowships for outstanding graduate students will be offered. Fellowships include a waiver of tuition and fees and a stipend of \$12,000/yr, renewable over 4 years. Renewal will be dependent upon progress in graduate study, especially in research. Teaching Assistantships of \$5,200 to \$7,200 plus tuition scholarships are also available to qualified applicants. Criteria for consideration for support include GRE scores, GPA (overall and in psychology), and other factors including demonstrated research commitment and skill. We are particularly interested in reaching members of underrepresented groups. Doctoral Programs in research specialize in ANIMAL BEHAVIOR, Cognition, Developmental Psychology, Learning, Physiological Psychology, Sensory, Social Psychology, and Statistics/Experimental Design. Doctoral Programs in Industrial/Organizational Psychology and School Psychology are also offered, as well as Master's level programs in Applied Psychological Research and (in collaboration with the Department of Education) Early Childhood Education. For more information and application forms call or write: Dr. C. Chrisman Wilson, Chair, Department of Psychology, Tulane University, New Orleans, LA 70118. Phone (504) 865-5331.

**POSTDOCTORAL TRAINEESHIPS IN ETHOLOGY-** 1 Sept 1988. NIH graduate Program traineeships at the University of Tennessee. Trainees are expected to establish a research program in human or nonhuman ethology focusing on communication (development, genetics, or physiology). A list of faculty, current research interests, and application guidelines are available upon request. Application deadline is 1 March 1988. Direct inquiries to: Dr. Richard Sandargas, Ethology Selection Committee, Department of Psychology, Univ of Tennessee, Knoxville, TN 37996.

**RESEARCH ASSISTANTS-** Spring and Summer 1988. Two positions are available for undergraduate students to participate in research concerned with mate choice, intraspecific competition, and kin recognition in frogs and toads. Research is carried out in Cambridge and at 2 field sites in Massachusetts and New York, and affords an excellent opportunity to learn field methods as well as an introduction to the use of molecular techniques for studying problems in behavioral ecology. Salary provided and housing arrangements can be made. Send letter describing interests, goals, and summary of courses and research

experience to: Dr. Bruce Waldman, Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, MA 02138. Phone (617) 495-9195.

**ASSISTANT PROFESSOR TENURE-TRACK POSITION-** available immediately in general area of Behavioural Ecology. The successful candidate is expected to contribute to the Department's Behavioural Ecology graduate program via teaching and supervision of graduate students, and in the undergraduate teaching program. Applicants should have a demonstrated competence in the area of evolution and behaviour. Submit an up-to-date curriculum vitae, an outline of research interests, selected reprints of published research, and request 3 letters of reference be sent to: Dr. L. M. Srivastava, Chairman, Dept Biol Sciences, Simon Fraser Univ, Burnaby, B.C., Canada V5A 1S6. Closing date for applications is 29 February 1988. Canadian Immigration regulations state that this advertisement is directed in the first instance to the attention of those individuals legally entitled to work permanently in Canada.

**RESEARCH ASSOCIATE** - 12 month, nontenure-eligible position 1 June 1988 for a recent Ph.D. to conduct basic research on the influence of pheromones on reproductive events in mice or voles. The research program currently underway involves studies of both the neuroendocrine and endocrine correlates of exposure to puberty regulating pheromones as well as the role of such pheromones in regulating natural populations of housemice. The individual selected could work in either of these two areas dependent upon training and interests. Possibility for reappointment for a second year. Contact: Dr. John G. Vandenberg, Dept of Zool, North Carolina State Univ, Raleigh, NC 27695-7617.

**FIELD RESEARCH ASSISTANTS-** April-July and/or August-November 1988. Wildlife management study that would involve trapping, radiotracking, behavioral observations and forage analysis of white-tailed deer and several small mammal species. The study is being conducted at the National Zoological Park's Conservation and Research Center in Front Royal, Virginia. Room and board provided. Experience in field studies and radiotracking desired. Send resume of qualifications and 2 letters of recommendation to: Dr. Bill McShea, NZP Conservation and Research Center, Front Royal, VA 22630. Phone (703) 635-4166.

**VOLUNTEER FIELD RESEARCH ASSISTANT-** June-August 1988 - for research into breeding biology of the Bahama Amazon on Abaco, Bahamas. Responsibilities include finding and monitoring nests and recording detailed behavioral observations. Work is often tiring and demanding. Some experience with vegetation surveys desirable. Must have strong interest in conservation and willingness to convey this interest to local residents. Airfare from Florida and room and board are provided (dependent upon funding). Send cover letter, resume and names of 2 references to: Rosemarie Gnam, Ornithology, American Museum of Natural History, Central Park West @ 79th St., New, NY 10024.

**FIELD BIOLOGY TRAINING PROGRAM-** will offer a full semester of college credit in 1988. Students participate in ongoing environmental studies of tropical forests and avian

migrants in Belize, Central America; migration and breeding ecology of landbirds on the Gaspé Peninsula, Quebec; colonial bird ecology; marine mammal distributions in the Northwest Atlantic; and others. Transfer credit through our affiliates. Financial aid is available. For information write: Field Biology Training Program, Manomet Bird Observatory, P. O. Box 936, Manomet, MA 02345. Phone (617) 224-6521.

**RESEARCH APPRENTICESHIPS-** (2-4 mo) in ongoing research in avian, marine mammal, estuarine, and tropical forest ecology. Available year-round. \$250/mo and room provided. Apprenticeships are designed for beginning biologists with some field experience. Write for project details to: Research Apprentice Program, Manomet Bird Observatory, P. O. Box 936, Manomet, MA 02345. Phone (617) 224-6521.

**VOLUNTEER POSITIONS-** May-October 1988 - for research into the behavioral ecology of the white-tailed prairie dog. Responsibilities include trapping, marking, blood sampling, vegetation sampling and recording behavior. Room and board provided. Send resume and 2 letters of recommendation to: Lynn Cooke, Dept Systematics and Ecol, Univ of Kansas, Lawrence, KS 66045.

**EXPERIMENTAL PSYCHOLOGIST POSITION-** 1 Sept 1988, one-year position; possibility of continuation and later tenure-track classification. Assistant Professor to conduct research and teach courses in general experimental psychology. Specific area is open, but individuals in cognitive, biopsychology, or psychophysiology would best suit our needs. Research is encouraged and supported. Teaching load is 4-5 quarter-long courses per year. Ph.D. preferred, but A.B.D. will be considered. Send cover letter, vita, copies of reprints, and 3 letters of reference by 15 April 1988 to: Dr. Ruth Maki, Chair, Search Committee, Dept Psych, North Dakota State Univ, Fargo, ND 58105. NDSU is an Equal Opportunity Employer.

**FELID BIBLIOGRAPHY-** Reservations are now being accepted for a felid bibliography (soft-cover spiral-bound) to be distributed in April, 1988 by the Felid Research and Conservation Interest Group. This book contains over 200 pages of references on all species of felids and areas of interest. In addition to over 3,000 references, there will be an index cross-referenced by species, geographic area, and subject. Price is \$26.50 (US) prepaid, and includes postage within the US. Additional postage will be required for overseas shipments. Send your orders to: Gail E. Foreman, Dept Zoology, Ohio State Univ, 1735 Neil Ave, Columbus, OH 43210, USA. Proceeds will benefit the Felid Research and Conservation Interest Group.

#### ANNOUNCEMENTS

**HONORS TO JERRY HIRSCH.** Dr. Hirsch, who has served our society in many distinguished capacities, recently delivered the 9th Robert Choate Tryon Memorial Lecture on the Psychology of Individual Differences at the Univ of California, Berkeley on 4 November 1987. Also, he was awarded the honorary decree of Docteur Honoris Causa by the Université René Descartes at the Sorbonne, Paris, France on 17 December 1987.

INTERNATIONAL DIRECTORY OF ETHOLOGISTS. Do you want your name, coordinates and research interests to be published by the First Edition of the International Directory of Ethologists? The IDE is a nonprofit initiative. It is to be published in 1988, probably as a special issue of one of the ethological journals. It will also be available as a database for personal computers. If you are not among the 600 ethologists who have already logged in, please send immediately the following information: (1) NAME (FAMILY NAME UNDERLINED); (2) postal address; (3) TELEPHONE(S); (4) BITNET/EARN/electronic address (optional); (5) Affiliated institution(s) if different from the one mentioned in the address; (6) up to 30 significant English key words best describing your research domain(s); (7) the full reference of three relevant publications which you have published (as author/co-) since 1980 (simply cut and paste from you CV); (8) include the following statement "I fully consent to the project of seeing the present information released into the public domain"; date and appose your signature. Mail to: Jacques P. Beaugrand, Dept. Psychologie, UQAM, CP 8888, Succ. A, Montréal, Québec, H3C-3P8, Canada.

#### 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.

SCIENTISTS CENTER FOR ANIMAL WELFARE- The Scientists Center for Animal Welfare announces that F. Barbara Orland has resigned as Director, effective December 31, 1987 in order to pursue her own research interests in animal welfare. She will remain on the staff as a Research Fellow and will assist in the administration of the Center pending the hiring of a successor. Dr. Orland was the founding president of the organization in 1978. The Scientists Center is a nonprofit educational organization for scientists on animal welfare topics. It is funded by foundation and federal grants, membership fees from individuals and organizations, and from corporate and private donors. For information write to: Scientists Center for Animal Welfare, 4805 St. Elmo, Bethesda, MD 20814. Phone: (301) 654-6390.

WILDLIFE CONSERVATION INTERNATIONAL TO ADMINISTER EMERGENCY FUND AS LAST CHANCE EFFORT TO SAVE THE BLACK RHINO IN AFRICA- Wildlife Conservation International (WCI) will establish the Rhino Rescue Fund in an effort to prevent the imminent extinction of the black rhino, which has been decimated by poachers in Africa. According to Dr. David Western, Acting Director of WCI, a Kenyan and noted conservationist: "This year is the last chance to save the four or five significant populations of the black rhino in Africa, populations that are needed to preserve genetic diversity and therefore the essence of the species." The black rhino population in Africa has declined from almost 15,000 in 1980, to a mere 3,500 today. Those interested in joining the battle to save the black rhino can write to: Wildlife Conservation International, New York Zoological Society, Bronx, New York 10460. In February a special Rhino Rescue Fund number (1-800-221-3333) will be available. In consultation with WCI, National Geographic Explorer has produced a powerful film entitled "The Rhino War," which poignantly conveys the tragedy of not only the rhino's demise, but also of the bloody war between poachers and park rangers. This film will be shown on Sunday, February 28, on Super Station TBS at 9:00 p.m. EST, Monday, February 29, at 12:00 midnight, and Saturday, March 5, at 9:00 a.m. EST.

CENTER TO STUDY HUMAN-ANIMAL RELATIONSHIPS AND ENVIRONMENTS (CEN/SHARE)- This organization has been involved in numerous activities related to companion animals, including the inauguration in 1987 of the first annual Charles B. Sweatt Family Lectureship--a week of presentations about human/animal relationships featuring Dr. James Serpell of the Univ of Cambridge, England. Videotapes of the lecture are now available from CEN/SHARE. For more information write to CEN/SHARE, Box 197 Mayo Memorial Building, 420 Delaware Street S.E., Minneapolis, MN 55455. Phone (612) 626-1051.

ANIMAL CARE/USE QUESTIONNAIRE

As you know, concern about animal welfare has resulted in numerous regulations regarding the use of animals in research. Although these regulations were intended to ensure the well-being of animals, their implementation has sometimes unnecessarily hindered animal research. As animal behaviorists, we are especially likely to face regulatory committees who are unfamiliar with our area of research and with the animal species we use. The animal behaviorists, we are especially likely to face regulatory committees who are unfamiliar with our area of research and with the animal species we use. The Animal Care Committee has been authorized by the ABS Executive Committee to survey the extent to which ABS members have experienced difficulties of this sort. We hope to serve as a clearinghouse for information that might help ABS members solve problems they encounter in dealing with regulations and agencies, as well as to provide advice to members involved in forming animal care committees at their institutions. Please respond even if you have not had particular problems.

We would appreciate your answering the following questions. Please return the questionnaire to:

Janis W. Driscoll, Chair  
ABS Animal Care Committee  
Department of Psychology  
University of Colorado at Denver  
Denver, CO 80202.

Name _____	Institution _____
Address _____	Phone _____
_____	(include area code)
_____	Faculty/scientist _____
_____	Student _____

What species of animals do you work with? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What species do you maintain in your laboratory or animal housing facility?

\_\_\_\_\_

\_\_\_\_\_

Briefly describe your primary research interest. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Does your institution have an Institutional Animal Care and Use Committee (IACUC)?

Yes \_\_\_\_\_ No \_\_\_\_\_

If you are a member of this committee, please give details of its operation on a separate sheet.

Have you had problems with approval of your animal research?

Yes \_\_\_\_\_ No \_\_\_\_\_

If so, please describe on a separate sheet.

Are your animal facilities inspected by any agencies?

Yes \_\_\_\_\_ No \_\_\_\_\_ Which ones? \_\_\_\_\_

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Please describe any problems you have had with inspections on a separate sheet.

May the ACC give your name to ABS members who have had problems similar to yours? Yes \_\_\_\_\_ No \_\_\_\_\_  
(Please indicate if any of the information you have provided should be held in confidence.)

Would you like to receive information from ABS members who have had problems similar to yours?  
Yes \_\_\_\_\_ No \_\_\_\_\_

Would you like to receive information on establishing an IACUC?

If so, check here \_\_\_\_\_

Have you developed any techniques for using or maintaining animals that improve conditions for the animals while also meeting regulations? If so, please describe on a separate sheet.

Please add any other information that you think would be useful to ABS members for dealing with regulations and agencies or improving conditions for animals.

Thank you for your help.

ABS Animal Care Committee.

## MEETINGS

EVOLUTION AND HUMAN BEHAVIOR ANNUAL MEETING- 8-10 April 1988, Ann Arbor, MI. Contact: **Judy Maas**, Evolution and Human Behavior Program, The University of Michigan, 1571 Rackham Building, Ann Arbor, MI 48109. Phone: (313) 936-2526.

ANIMAL BEHAVIOR SOCIETY - Midwest Regional- 15-17 April 1988, Sangamon State Univ. Contact: **Bill Huck**, Biology Program, SSU, Springfield, IL 62794-9243.

THE ASSOCIATION OF FIELD ORNITHOLOGISTS (formerly NEBBA)- 13-15 May 1988. Annual meeting at the Vermont Institute of Natural Sciences, Woodstock, VT. Housing and the Saturday evening banquet will be at the nearby Kedron Valley Inn. The meeting will include invited and contributed papers, workshops and field trips. For information about the meeting, contact: **Sarah B. Loughlin**, AFO Local Committee Chair, Vermont Institute of Natural Science, Woodstock, VT 05091. Phone: (802) 457-2779. For information about the scientific program, contact: **Peter F. Cannell**, Program Committee Chair, Division of Birds, NHB 116, Smithsonian Institution, Washington, DC 20560. Phone: (202) 357-2334.

INTERNATIONAL CONFERENCE ON UNGULATE BEHAVIOR AND MANAGEMENT 16-22 May 1988 at Texas A & M Univ, College Station TX, sponsored by the Dept of Wildlife & Fisheries Sciences. This is a follow-up to a 1971 symposium held in Calgary, Canada, on the behavior of ungulates and its relation to management (published by IUCN in a two-vol set edited by Drs. V. Geist and F. Walther). The May conference is being organized as a tribute honoring Dr. Fritz Walther, now retired, whose life's work as well as professional devotion has centered on ungulates. Papers and poster presentations on any aspect of ungulate behavior and management are invited. One-page abstracts are due by 1 Jan 1988. Persons interested in attending or contributing a presentation should contact: **Dr. Elizabeth Cary Mungall**, 342 Double Tree Drive, Lewisville TX 75067.

CONFERENCE ON REPRODUCTIVE BEHAVIOR (CRB)- 11-14 June 1988, Omaha NE. Contact: **Jeffrey A. French**, Dept Psych, Univ Nebraska, Omaha NE 68182-0274.

SECOND SYMPOSIUM ON VIOLENCE AND AGGRESSION- 19-22 June 1988, Saskatoon, Saskatchewan, Canada. Focus will be on current theories, research and practice in dealing with human aggression and violence. Contact: **Dr. David Keegan**, c/o Registration Office, Div of Extension and Community Relations, Univ of Saskatchewan, Saskatoon, Saskatchewan S7N 0W0. Phone: (306) 966-5539.

12th ANNUAL LARVAL FISH CONFERENCE (Special Session) and ANNUAL MEETING OF THE EARLY LIFE HISTORY SECTION, American Fisheries Society to be held in conjunction with the ANNUAL MEETING OF THE AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS- 24-28 June 1988 Central Campus, University of Michigan, Ann Arbor MI- to present original research (and/or timely reviews) concerned with the anatomical,

physiological and neurobiological-neuroethological development of sensory systems in fish, and the coincident acquisition of behaviors based upon them. Studies that address the interaction between sensory systems and behavioral ontogeny would be of particular interest, though papers concerned with any single sub-discipline will also be considered. ABSTRACT DEADLINE: 1 April 1988. Please direct Abstracts, or Inquiries to: **Howard I. Browman**, Dept of Systematics and Ecology, The Univ of Kansas, Lawrence KS 66045; phone (913) 864-4375.

INTERNATIONAL SOCIETY FOR RESEARCH ON AGGRESSION- 2-6 July 1988, University College of Swansea, Wales. Contact: **Dr. P. F. Brain**, Biomedical & Physiological Research Group, Biological Sciences, Univ College of Swansea, Swansea SA2 8PP, United Kingdom. Phone: Swansea (0792) 295444.

SYMPOSIUM OF ASIAN PACIFIC MAMMOLOGY- 26-30 July 1988, Kunming, Yunnan Province, People's Republic of China. Sponsored by the ASM and the Mammological Society of China. Focus will be on the mammology of eastern Asia and the Pacific basin. Contact **Andrew T. Smith**, Dept Zool, Arizona State Univ, Tempe AZ 85287 or Wang Sung, 7 Zhongguancun Lu, Haidian, Beijing, People's Republic of China.

ANIMAL BEHAVIOR SOCIETY- 7-13 Aug 1988, Missoula MT. Contact **Don Jenni**, Dept Zool, Univ of Montana, Missoula MT 59812.

THE INTERNATIONAL SOCIETY FOR COMPARATIVE PSYCHOLOGY (Fourth Congress) in conjunction with THE AUSTRALIAN ANIMAL BEHAVIOUR SOCIETY 26-28 Aug 1988 Sydney, Australia. This Congress is coordinated with the XXIVth International Congress of Psychology, meeting from 28 Aug - 3 Sept 1988, also in Sydney. For details on the ISCP Congress, write: **Dr. Gary Greenberg**, Dept Psych, Wichita State Univ, Wichita KS 67208. For information on XXIVth ICP, contact: **Secretary**, GPO Box 2609, Sydney, NSW 2001 Australia.

SECOND INTERNATIONAL CONFERENCE ON BEHAVIOURAL ECOLOGY- 6-10 Oct 1988, Simon Fraser Univ, Vancouver, Canada. Contact: **Conferences Services**, Continuing Studies, Simon Fraser Univ, Burnaby, B.C., Canada V5A 1S6. (Phone 604-291-3649).

BEHAVIORAL STRATEGIES FOR COPING WITH WINTER- 4-6 November 1988. - Special symposium to be held at Macdonald College of McGill University (near Montreal) in conjunction with a joint meeting of the Northeast Regional Division of the Animal Behavior Society and the Société Québécoise pour l'Etude Biologique du Comportement. If sufficient exists, a refereed conference proceedings may be produced. For information and/or to be placed on mailing list contact: **F. G. Whoriskey** or **R. D. Titman**, Dept of Renewable Resources, Macdonald College, 21, 111 Lakeshore Rd, Ste-Anne-de-Bellevue, QC, H9X 1C0, Canada.

**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. We will publish the entire update in sections as space permits in subsequent Newsletters. In 1990, the Education Committee will publish a new edition of the graduate programs booklet.

**ALABAMA**

**Auburn University**  
Zoology and Entomology  
Auburn, AL 36849-4201  
CHAIRMAN: J.F. Pritchett 205-826-4580  
DEGREES: MS, PhD ENROLLMENT: 5  
CONTACT: J.F. Pritchett

Arthur G. Appel                      Asst. Prof.  
University of California, Riverside PhD 1985  
205-826-4850  
Behav Ecol  
Biol Rhythms  
Social Behavior  
time-activity budgets, mate selection,  
aggregation & physiological stress  
related behaviors of cockroaches  
foraging and interspecific aggression of fire ants  
Cockroach (Insecta:Dictyoptera:Blattidae and  
Blattellidae)  
Fire Ants (Insecta:Hymenoptera:Formicidae)

**CALIFORNIA**

**California State University,  
Northridge**  
Biology  
Northridge, CA 91330  
CHAIRMAN: Anthony Gaudin  
818-885-3356  
DEGREES: MS ENROLLMENT: 6  
CONTACT: Andrew Starrett, Graduate  
Coordinator

Jim W. Dole                      Prof.  
Univ. of Michigan              PhD              1963 818-885-3352  
Behav. Ecol. -  
Orientation/Navigation/Migration/Homing  
Behav. Ecol. - Territoriality  
Feeding/Ingestion  
Homing & orientation mechanisms in  
amphibians

Feeding behavior in anuraus  
Frogs & toads (Amphibia:Salientia)

**California State University,  
San Bernadino**  
Psychology  
San Bernadino, CA 92407  
CHAIRMAN: Charles D. Hoffman  
714-887-7226  
DEGREES: MA ENROLLMENT: -0-  
CONTACT: Stuart R. Ellins

Stuart R. Ellins                      Prof.  
Univ. of Delaware              PhD 1972  
714-887-7226  
Food aversion learning  
Predator management  
Memory  
food aversion conditioning, classical  
conditioning of gustatory and  
non-gustatory food cues, application of food  
aversion conditioning  
Coyote (Mammalia:Carnivora:Canis latraus)  
Rats (Rodentia:Rattus:Norvegicus)

**Moss Landing Marine Laboratories**  
Moss Landing, CA 95039  
CHAIRMAN: John Martin 408-633-3304  
DEGREES: MA, MS ENROLLMENT: 20  
CONTACT: Gail Johnston

Bernd Wursig                      Assoc. Prof.  
SUNY                                  PhD 1978 408-633-3304  
Foraging  
Natural history  
Social spacing  
study of marine mammal social behavior and  
foraging strategies, with particular emphasis on  
odontocete and mysticete-cetaceans  
Dusky dolphin (Mammal:Cetacea:Delphinidae)  
Spinner dolphin (Mammal:Cetacea:Delphinidae)  
Bottlenose dolphin  
(Mammal:Cetacea:Delphinidae)  
Bowhead whale (Mammal:Cetacea:Balaenidae)  
Gray whale (Mammal:Cetacea:Eschrichtiidae)

**San Francisco State University**  
Biology  
San Francisco, CA 94132  
CHAIRMAN: Crellin Pauling  
415-469-1548  
DEGREES: MA ENROLLMENT: 20  
CONTACT: Dorothy Sims

Jan A. Randall                      Assoc. Prof.  
Washington State Univ.      PhD 1977  
415-469-1548  
Social organization

Communications  
Sex and reproduction  
footdrumming as territorial and predator defense, Mechanisms of  
sociality, Olfaction  
Bannertail kangaroo rat (*Dipodomys:Merriami:Heteromyidae*)  
Merriam's kangaroo rat (*Dipodomys:Merriami*)

**University of California, Davis**

Epidemiology and Preventive Medicine,  
School of Vet. Medicine, Psychology,  
Agriculture Economics  
Davis, CA 95616

CHAIRMAN: Albert A. Harrison  
(Psychology) 916-752-1884  
Warren Johnston (Agriculture)  
916-752-1521

DEGREES: MS, PhD ENROLLMENT: 10  
CONTACT: Melody Simonton (Psychology)  
R. Cross (Agriculture)

Lynette A. Hart Adj. Asst. Prof.  
Rutgers Univ. PhD 1976 916-752-7418

Applied ethology  
Social behavior  
Communication  
human-animal interactions  
Antelopes (*Mammalia:Artiodactyla:Bovidae*)  
Dogs (*Mammalia:Carnivora:Canidae*)  
Cats (*Mammalia:Carnivora:Felidae*)  
Humans

G. Mitchell Prof.  
Univ. of Wisconsin PhD 1966 916-752-1880

Social behavior  
Development  
Methodology  
sex differences; parental behavior and other social behaviors  
Rhesus monkeys (*Mammalia:Primates:Cercopithecidae*)  
Crab eating macaques (*Mammalia:Primates:Cercopithecidae*)  
Bonnet monkey (*Mammalia:Primates:Cercopithecidae*)  
Cats (*Mammalia:Carnivora:Felidae*)

Marc Mangel Prof.  
Univ. of British Columbia PhD 1978  
916-752-0827

Behavioral ecology  
Learning  
Methodology  
unified foraging theory and its applications  
Fruit flies (*Insecta*)  
Starling

**University of California, Irvine**

Psychobiology  
Irvine, CA 92717

CHAIRMAN: James L. McGaugh  
714-856-6114

DEGREES: PhD ENROLLMENT: 6

CONTACT: Norman Weinberger

Pauline Yahr Prof.  
Univ. of Texas PhD 1972  
714-856-7050

Endocrine/hormonal mechanisms  
Neural mechanisms  
Social behavior  
neural action of sex steroids in controlling sexual behavior and  
chemical  
communication  
Gerbils (*Mammalia:Rodentia:Cricitidae*)  
Rats (*Mammalia:Rodentia:Muridae*)

**University of California,  
Los Angeles**

Biology  
Los Angeles, CA 90024

CHAIRMAN: David Chapman  
213-825-3481

DEGREES: BS, MA, PhD  
ENROLLMENT: 8

CONTACT: Department Graduate Office

James G. Morin Prof.  
Harvard Univ. PhD 1969 213-825-1674

Visual communication  
Sex and reproduction  
Predator/prey interactions  
luminescent communication and sexual selection in tropical  
marine ostracode  
crustaceans  
Firefleas (*Crustacea:Myodocopida:Cypridinidae*)

Laurie J. Vitt Assoc. Prof.  
Arizona State Univ. PhD 1976 213-825-1575

Behavioral ecology  
Communication  
Natural history  
field ecology, life histories, predator-prey interactions  
Lizards (*Reptilia:Savria:All families*)  
Snakes (*Reptilia:Serpentes:All families*)  
Turtles (*Reptilia:Lhelonia:All families*)  
Crocodiles (*reptilia:Crocrodilia:All families*)

Robert M. Gibson Asst. Prof.  
Univ. of Sussex D. Phil. 1978 213-825-6459

Behavioral ecology  
Evolution/survival value  
Social behavior  
mating systems, sexual selection and mate choice,  
communication  
Grouse (*Aves:Galliformes:Tetraonidae*)  
Deer (*Mammalia:Artiodactyla:Cervidae*)  
Sticklebacks (*Osteichthyes:Gasterosteiformes:Gasterosteidae*)

William Hamner Adj. Prof.  
UCLA PhD 1965 213-825-9302

Behavioral ecology  
Evolution/survival value

Social behavior/spacing  
 intraspecific behavior with animal aggregations;  
 schooling/flocking  
 behavior; natural history-behavior oceanic animals  
 Fishes (Chordata: Pisces)  
 Shrimp (Crustacea)  
 Medusae (Cnidaria)  
 Ctenophora (Ctenophora)  
 Birds in general (Aves)

**University of California,  
 Santa Barbara**  
 Biological Sciences  
 Santa Barbara, CA 93106  
 CHAIRMAN: Leslie Wilson  
 805-961-2979  
 DEGREES: MA, PhD ENROLLMENT: 11  
 CONTACT: Stephanie Slosser

Stephen I. Rothstein Prof.  
 Yale Univ. PhD 1970  
 805-961-2834/3511  
 Evolution/survival value  
 Communication: acoustic  
 Social behavior: dominance  
 behavioral adaptations related to parasite-host interactions,  
 acoustic  
 communication and dominance in social groups  
 Brown-headed cowbird (Aves: Passeriformes: Emberizidae)  
 White-crowned Sparrow (Aves: Passeriformes: Emberizidae)  
 Blackbirds (Aves: Passeriformes: Emberizidae)

Robert R. Warner Prof.  
 Scripps Inst. PhD 1973 805-961-2941  
 Behavioral ecology  
 Life history  
 Population ecology  
 behavioral ecology of coral reef fish  
 Bluehead Wrasse (Chordata: Pisces: Labridae)

Adrian M. Wenner Prof.  
 Univ. of Michigan PhD 1961 805-961-2838  
 Behav ecology: orientation, etc.  
 Communication: acoustic  
 Methodology: Other: Philosophy of science  
 application of the "strong inference" approach to animal  
 behavior studies  
 Honey bees (Insecta: Hymenoptera: Apidae)  
 Sand crabs (Crustacea: Decapoda: Hippidae)  
 Beach hoppers (Crustacea: Amphipoda: Talitridae)  
 Monarch butterflies (Insecta: Lepidoptera: Danaidae)

Stephen I. Rothstein Prof.  
 Yale Univ. PhD 805-961-2834  
 origin and maintenance of dialects, determinants and  
 consequences of social  
 dominance, status signaling, coevolution between parasitic  
 birds and their  
 hosts, avian nesting biology  
 Cowbirds (Aves: Passeriformes: Molothrus)

White-crowned sparrows (Aves: Passeriformes: Emberizinae)  
 Passerines (Aves: Passeriformes)

**University of California, Santa Cruz**  
 Biology  
 Santa Cruz, CA 95064  
 CHAIRMAN: C. Poodry 408-429-2385  
 DEGREES: PhD ENROLLMENT: 30  
 CONTACT: Dean, Graduate Office

Burney V. Le Boeuf Prof.  
 Univ. of California, Berkeley PhD 1966  
 408-429-2845  
 Social behavior/sex & reproduction  
 Evolution/survival value  
 sexual selection  
 Elephant seal (Mammalia: Pinnipedia: Phocidae)  
 Sea lions (Mammalia: Pinnipedia: Otariidae)

### CONNECTICUT

**University of Connecticut**  
 Psychology  
 Storrs, CT 06268  
 CHAIRMAN: Jerome Smith  
 203-486-3517  
 DEGREES: MA, PhD ENROLLMENT: 10  
 CONTACT: D.A. Yutzey; V.H. Denenberg

V.H. Denenberg Prof.  
 Purdue Univ. PhD 1953 203-486-3826  
 Development/ontogeny  
 Endocr/horm mech  
 Neural mech  
 brain lateralization; sex differences; sleep states  
 Rats, Mice (Rodentia: Muridae)  
 Rabbits (Lagomorpha)  
 Humans (Primates: Hominidae)

B. Ginsberg Prof.  
 Univ. of Chicago PhD 1943 203-486-2351  
 Behav genetics  
 Social behav  
 Communication  
 social stress & gene expression; dyslexia  
 Dogs (Carnivora: Canidae)  
 Mice (Rodentia: Muridae)  
 Humans (Primates: Hominidae)

S. Maxson Prof.  
 Univ. of Chicago PhD 1966 203-486-2455  
 Behav genetics  
 Social behav  
 Aggression  
 molecular genetics regulating social behav  
 Mice (Rodentia: Muridae)

B.D. Sachs                    Prof.  
 Univ. of California, Berkeley   PhD            1966  
 203-486-2250  
 Endocrine/hormone mech  
 Neural mechan  
 Sex & reprod  
 psychobiology of mating behav and its reflexive components  
 Rats (Rodentia:Muridae)  
 Mice (Rodentia:Muridae)

H. Swadlow                    Prof.  
 Univ. of Miami                PhD            1970    203-486-2252  
 Neural mechanisms  
 Sensory mechanisms  
 neurophysiological correlates of sensation/perception  
 Rabbits (Lagomorpha)

E. Thoman                    Prof.  
 Univ. of Nebraska            PhD            1965    203-486-4042  
 Sleep  
 Biological rhythms  
 Development/ontogeny  
 development of normal and abnormal sleep states and rhythms  
 Humans (Primates:Hominidae)  
 Rabbits (Lagomorpha)

W.A. Wilson                   Prof.  
 Univ. of California, Berkeley   PhD            1956  
 203-486-4106  
 Learning  
 Sensory mechan  
 Neural mechan  
 crossmodal transfer  
 Humans (Primates:Hominidae)

D.A. Yutzey                    Assoc. Prof.  
 Ohio State Univ.              PhD            1965    203-486-4108  
 Neural mech  
 Motiv/emotion  
 Drug studies  
 brain lateral; animal models of alcoholism  
 Rats (Rodentia:Muridae)

E. Mugnaini                   Prof.  
 Univ. of Pisa                  MD            1962    203-486-5154  
 Neural mechanisms  
 Neuroanatomy  
 Locomotion  
 neurotransmitter systems; laterality; locomotor function  
 Mice, Rats (Rodentia:Muridae)  
 Cats (Carnivora:Felidae)

**FLORIDA**

Florida State University  
 Biological Science  
 Tallahassee, FL 32306

CHAIRMAN: Lawrence G. Abele  
 904-644-3700  
 DEGREES: MS, PhD ENROLLMENT: 20  
 CONTACT: W.H. Heard

William F. Herrnkind        Prof.  
 Univ. of Miami                PhD            1968    904-644-6882  
 Orientation/migration  
 Habitat selection  
 Predator/prey interactions  
 orientation in the marine milieu; behavioral adaptations and  
 process,  
 regulating mortality and distribution of marine invertebrates  
 Spiny lobsters (Crustacea)  
 Hermit crabs (Crustacea)  
 Snails (Gastropoda)

University of Florida  
 Zoology  
 Gainesville, FL 32611  
 CHAIRMAN: D. Evans 904-392-1107  
 DEGREES: AB/MA, PhD  
 ENROLLMENT: 50  
 CONTACT: Jane Brockmann

Lincoln P. Brower            Prof.  
 Yale Univ.                    PhD            1957    904-392-1107  
 Migration  
 Courtship  
 Prey-predator relationships  
 ecological chemistry of 3 trophic levels involving plants  
 herbivores and  
 predators interaction; migration of monarch butterfly, mimicry  
 in general  
 Monarch butterfly (Insecta:Lepidoptera:Danaidae)  
 Northern Oriole (Aves:Icteridae)  
 Blue Jay (Aves:Corvidae)

University of Miami  
 Biology  
 Coral Gables, FL 33124  
 CHAIRMAN: Casimer Grabowski  
 305-284-4184  
 DEGREES: MS, PhD ENROLLMENT: 10  
 CONTACT: Cas Grabowski

Thomas G. Nolen              Asst. Prof.  
 Cornell Univ.                  PhD            1984  
 Neural mech - neurophys correlates  
 Sensory mech - audition  
 Learning - development  
 insect neuroethology-phonotactic behavior;  
 neural mechanisms of learning;  
 development of behavior and behavioral plasticity  
 Crickets (Insecta:Orthoptera:Gryllidae)  
 Sea snail (Aplysia) (Mollusca:Gastropoda:Opisthobranch)

Richard R. Tokarz           Asst. Prof.  
Univ. of Colorado, Boulder   PhD       1977  
305-284-6209  
Endocrine/hormonal mechanisms  
Social behavior - sex and reproduction  
Social behavior - aggression  
hormonal control of sexual and aggressive behavior in anoline lizards  
Brown anole (*Anolis sagrei*) (Reptilia:Sauria:Iguenidae)  
Green anole (*Anolis carolinegis*) (Reptilia:Sauria:Iguanidae)

**University of South Florida**  
Biology  
Tampa, FL 33620  
CHAIRMAN: C. Dawes   813-974-3250  
DEGREES: MS, PhD ENROLLMENT:  
CONTACT: Earl McCoy

Philip J. Motta           Asst. Prof.  
Univ. of Hawaii           PhD       1980  
813-974-3250  
Foraging  
Feeding/ingestion  
Predator/prey interactions  
funct. morphol and feeding behavior of fishes  
Fishes (Chordates:Pisces)

## IDAHO

**Idaho State University**  
Psychology  
Pocatello, ID 83209  
CHAIRMAN: Victor Joe   208-236-2462  
DEGREES: MS ENROLLMENT: 2  
CONTACT: Victor Joe or Linda Enloe

Linda J. Enloe           Assoc. Prof.  
Ohio State Univ.       PhD       1973   208-236-2462  
Development  
Learning  
Social behavior  
Domestic dogs (*Carnivora:Canis familiaris*)  
Coyotes (*Carnivora:Canis latrans*)

## ILLINOIS

**Eastern Illinois University**  
Zoology  
Charleston, IL 61920  
CHAIRMAN: Michael Goodrich  
217-581-3126  
DEGREES: MS ENROLLMENT: 5  
CONTACT: Michael Goodrich

Michael Goodrich       Prof.

Penn State Univ.       PhD       1964   217-581-3126  
Learning  
Behav. Ecol. - Foraging  
Feeding/ingestion  
feeding behavior and utilization of sense organs in snakes.  
Learning in  
colubrid snakes.  
Colubrid snakes (Reptilia:Serpentes:Colubridae)  
Pit vipers (Reptilia:Serpentes:Crotalidae)  
Raspberry Fruitworms (Insecta:Coleoptera:Byturidae)

L. Barrie Hunt           Prof.  
Univ. of Wisconsin, Madison   PhD       1968  
217-581-2817  
Behav. Ecol.  
Social Behav.  
site selection by Saguaro-excavating woodpeckers  
maintenance of pair bonds and family units among Paridae  
Gila Woodpecker (Aves:Piciformes)  
Gilded Flicker (Aves:Piciformes)  
Tufted Titmouse (Aves, Passeriformes)  
Carolina Chickadee (Aves, Passeriformes)

Jaime Estrada Maya       Assoc. Prof. -  
Univ. of Arizona       PhD       1968   217-581-2926  
Behav. Ecol.  
Natural History  
Social Behavior  
bat behavior and interspecific behavior in restrictive habitats.  
Fish-eating bat (Mammalia:Chiroptera:Vespertilionidae)  
Least Petrel (Aves:Procellariiformes:Hydrobatidae)  
Black Petrel (Aves:Procellariiformes:Hydrobatidae)  
Whiptail (Reptilia:Squamata:Teiidae)

Kipp C. Kruse           Assoc. Prof.  
Univ. of Nebraska       PhD       1978   217-581-3363  
Behav. Ecol. - Sexual Selection  
Behav. Ecol. - Predator/Prey Interaction  
sexual selection in water bugs and anurans and the evolution of mating systems.  
Giant water bugs (Insecta:Hemiptera:Belostomatidae)  
American Toads (Amphibia:Anura:Bufonidae)

Richard D. Andrews       Prof.  
Univ. of Illinois       PhD       1966   217-581-5026  
Applied Ethology - Wildlife  
Natural History  
Wild Turkey (Aves:Galliformes:Meleagridae)  
Screech Owl (Aves:Strigiformes:Strigidae)  
Tree Squirrels (Mammalia:Rodentia:Sciuridae)

**Illinois State University**  
Biological Sciences  
Normal, IL 61761  
CHAIRMAN: George W. Kidder III  
309-438-3669  
DEGREES: MS, PhD ENROLLMENT: 5  
CONTACT: Graduate Advisor

Scott K. Sakaluk Asst. Prof.  
 Univ. of Toronto PhD 1986 309-438-3669  
 Sex & reproduction  
 Acoustic communication  
 Behavioral genetics  
 insect mating systems, courtship food gifts, mate choice  
 Crickets (Insecta:Orthoptera:Gryllidae)  
 Haglids (Insecta:Orthoptera:Haglidae)

Charles F. Thompson Assoc. Prof.  
 Indiana Univ. PhD 1971  
 309-438-2656  
 Behav. Ecol.  
 Social Behav. - Sex & reproduction  
 behavioral and evolutionary ecology of birds  
 House Wren (Chordata:Aves:Passeriformes)  
 European Starling (Chordata:Aves:Passeriformes)  
 Painted Bunting (Chordata:Aves:Passeriformes)

**Northwestern University**

Anthropology  
 Evanston, IL 60201  
 CHAIRMAN: Donald Sade  
 312-491-5402  
 DEGREES: PhD ENROLLMENT: 1  
 CONTACT:

Irene M. Pepperberg Visiting Asst. Prof.  
 Harvard Univ. PhD 1976 312-491-7872  
 Communication - acoustic  
 Learning - cognition  
 Animal-human communication  
 Grey parrot (Aves:Psittacus:Erethacus)

**University of Illinois, Chicago**

Biological Sciences  
 Chicago, IL 60680  
 CHAIRMAN: Sidney B. Simpson  
 312-996-2213  
 DEGREES: MS, PhD, DA  
 ENROLLMENT: 12  
 CONTACT: Stephen Weaver

Bernard Greenberg Prof.  
 Univ. of Kansas PhD 1954 312-996-3103  
 Natural history/descriptive studies  
 Ontogeny  
 behavior and distribution of calliphoid and other carrion flies;  
 life cycles, developmental rates, competition  
 Flies (Diptera:Calliphoridae, Muscidae, Phoridae, Sarcophagidae)

Eliot B. Spiess Prof.  
 Harvard Univ. PhD 1949 312-996-2576  
 Behavioral genetics  
 Evolution  
 Social behavior/sexual selection  
 genetic basis of behavior determining fitness and/or sexual  
 selection  
 Drosophila (Insecta:Diptera:Drosophilidae)

Robert B. Willey Assoc. Prof.  
 Harvard Univ. PhD 1959 312-996-2258  
 Acoustic/visual communication  
 Evolution  
 Behavioral ecology  
 biogeographical evidences of behavioral (communicative)  
 changes and  
 morphological divergence between populations within a wide-  
 ranging species  
 and character divergence between sympatric species  
 Band-winged grasshoppers (Insecta:Orthoptera:Acrididae)

A. Don Murphy Asst. Prof.  
 Univ. of Iowa PhD 1979 312-996-8087  
 Feeding  
 Neurophysiological correlates  
 neural basis of feeding in pond snails;  
 identifiable neurons and rhythmic behaviors  
 Snail (Gastropoda:Pulmonata:Planorbidae)

Christopher M. Comer Asst. Prof.  
 Univ. of Chicago PhD 1980 312-996-2992  
 Neural mechanisms  
 Orientation  
 Predator/prey interactions  
 neural basis of spatially directed movement;  
 sensorimotor integration;  
 escape behavior of the cockroach;  
 sensory orientation and prey capture by frogs and toads  
 American cockroach (Insecta:Orthoptera:Blattidae)  
 Toads (Amphibia:Salientia:Bufonidae)  
 Frogs (Amphibia:Salientia:Ranidae)

David B. Mertz Prof.  
 Univ. of Chicago PhD 1965 312-996-5437  
 Behavioral genetics  
 Behavioral ecology - predator/prey ints.  
 population limitation and ecological interactions, particularly  
 cannibalism  
 and interference behavior  
 Confused Flour Beetle (Insecta:Coleoptera:Tenebrionidae)  
 Chestnut Flour Beetle (Insecta:Coleoptera:Tenebrionidae)

Thomas L. Poulson Prof.  
 Univ. of Michigan, Ann Arbor PhD 1961  
 312-996-4537  
 Foraging and habitat selection  
 Predator-prey interaction  
 Evolution/survival value  
 current behavioral studies are part of broad evolutionary-  
 ecological work  
 on cave organisms. This includes work in all the species in  
 aquatic and  
 terrestrial communities.  
 Cave spiders (Arthropoda:Arachnidae:Linyphiidae)  
 Cave beetles (Arthropoda:Insecta:Coleoptera:Carabidae &  
 Leiodidae)  
 Cave fish (Chordata:Pisces:Osteichthyes:Amblyopsidae)  
 Dung beetle (Arthropoda:Insecta:Coleoptera:Scarabaeinae)

**University of Illinois,  
Urbana-Champaign**

Animal Sciences  
Urbana, IL 61801  
CHAIRMAN: W.R. Gomes  
217-333-3462

DEGREES: MS, PhD ENROLLMENT: 9  
CONTACT: H.W. Gonyou

Harold W. Gonyou Assoc. Prof.  
Univ. of Saskatchewan PhD 1980 217-333-2118  
Applied ethology/domestic animals  
Social behavior/parental  
Social behavior/aggression  
social and maternal behavior in domestic animals  
Swine (Mammalia:Artiodactyla:Suidae)  
Cattle (Mammalia:Artiodactyla:Bovidae)  
Sheep (Mammalia:Artiodactyla:Bovidae)

**INDIANA**

**Indiana University**

Biology  
Bloomington, IN 47405  
CHAIRMAN: Thomas Blumenthal  
812-335-6283

DEGREES: MS, PhD ENROLLMENT: 30  
CONTACT: Mrs. D. Brown, Biology  
Graduate Secretary

Ellen D. Ketterson Assoc. Prof.  
Indiana Univ. PhD 1974 812-335-6837  
Behav. Ecol.-Orient/Nav/Migrat/Homing  
Biological Rhythms  
Social Behav-Parental/Filial  
migration; parental care; dominance; appetite regulation  
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)  
Tree-sparrow (Aves:Passeriformes:Emberizidae)  
White-crowned sparrow (Aves:Passeriformes:Emberizidae)

Craig E. Nelson Assoc. Prof.  
Univ. of Texas PhD 1966 812-335-1345  
Evolution/Survival Value  
Social Behav-Sex and Reproduction  
Behav Ecol-Predator/Prey Interact  
community and population structure of Amphibia;  
social behavior in Amphibia; developmental ecology of turtles  
Frogs (Amphibia:Anura)  
Salamanders (Amphibia:Caudata)  
Turtles (Reptilia:Chelonia)

Val Nolan, Jr. Prof.  
Indiana Univ. JD 1949 812-335-6209  
Behav Ecol-Orient/Nav/Migrat/Homing  
Social Behav-Sex and Reproduction  
Social Behav-Other (Brood Parasitism)  
sex ratio; intraspecific variation in migration;

mating systems; hormones and behavior;  
host-parasite interactions  
Dark-eyed Junco (Aves:Passeriformes:Emberizidae)  
Red-winged Blackbird (Aves:Passeriformes:Emberizidae)  
Indigo Bunting (Aves:Passeriformes:Emberizidae)  
Brown-headed Cowbird (Aves:Passeriformes:Emberizidae)  
Prairie Warbler (Aves:Passeriformes:Emberizidae)

John B. Phillips Asst. Prof.  
Cornell Univ. PhD 1984  
Sensory Mechanisms - vision; magneto reception  
Behavioral Ecology - migration; navigation  
Social Behavior - mating systems; predator-prey interactions  
visual mechanisms in orientation/navigation  
neurophysiology of visual receptors; sensory basis of magneto  
reception;  
mating system evolution  
Housefly/Blowfly (Insecta:Diptera:Muscidae & Calliphoroidea)  
Eastern Newt (Amphibia:Urodela:Salamandridae)  
Cave Salamander (Amphibia:Urodela:Plethodontidae)  
Pigeon (Aves:Columbiformes:Columbidae)  
Hungarian Hamster (Mammalia:Rodentia:Cricetidae)

William Rowland Assoc. Prof.  
SUNY, Stony Brook PhD 1970 812-335-3470  
Social Behavior  
Communication  
Behav Ecol  
integration of ethology and behavioral ecology sociobiology;  
display  
behavior; courtship and aggression; mate choice and sexual  
selection  
Sticklebacks (Osteichthyes:Gasterosteiformes:Gasterosteidae)  
Cichlids (Osteichthyes:Perciformes:Cichlidae)  
Sunfishes (Osteichthyes:Perciformes:Centrarchidae)  
Newts (Amphibia:Urodela:Salamandridae)

Samuel W. Skinner Asst. Prof.  
Univ. of Utah PhD 1983 812-335-7613  
Evolution/Survival Value  
Behavioral Ecology  
Behavioral Genetics  
life history evolution; kin and group selection  
Nasonia (Insecta:Hymenoptera:Pteromalida)

Roderick A. Suthers Prof.  
Harvard Univ. PhD 1964 812-335-8353  
Behav Ecol  
Sensory Mech-Audition  
Communication-Acoustic  
animal sonar systems; physiology of acoustics of bird song;  
auditory physiology; sensory ecology  
Birds (Aves)  
Bats (Mammalia:Chiroptera)

**Indiana University**  
Psychology  
Bloomington, IN 47405  
CHAIRMAN: Irving J. Saltzman  
812-339-3305

DEGREES: MA, PhD ENROLLMENT: 10  
CONTACT: William D. Timberlake

Jeffrey R. Alberts Prof  
Princeton Univ. PhD 1974 812-335-3309  
Development/Ontogeny  
Sensory Mech-Chemical  
Other-Energetics  
parent-offspring relations: development of adaptive  
specializations  
Norway Rat (Mammalia:Rodentia:Muridae)  
California Mouse (Mammalia:Rodentia:Muridae)  
Egyptian Spiny Mouse (Mammalia:Rodentia:Muridae)

James Allison Prof.  
Univ of Michigan PhD 1963 812-335-8362  
Learning  
Behavioral Ecology  
Feeding/Ingestion  
reinforcement, behavioral economics, foraging  
Rodents (Mammalia:Rodentia:Muridae)  
Humans (Mammalia:Primates:Hominidae)

Joseph Farley Assoc. Prof.  
Univ. California, San Diego PhD 1978  
Learning  
Neural mechanisms  
Sensory mechanisms  
neural plasticity and behavior  
Hermisenda (Molluscs:Gastropods)  
Rats (Mammalia:Rodentia:Muridae)  
Pigeons (Aves:Columbiformes:Columbidae)

Eliot Hearst Prof.  
Columbia Univ. PhD 1956 812-335-9282  
Learning  
Motivation  
History of Psychology  
pavlovian conditioning; discrimination learning  
Pigeon (Aves:Columbiformes:Columbidae)  
Rat (Mammalia:Rodentia:Muridae)

Ronald E. Kettner Asst. Prof.  
Univ. of California, Irvine PhD 1981  
Neural mechanisms  
Arm movements  
Audition  
Rhesus monkey

Dale R. Sengelaub Asst. Prof.  
Cornell Univ. PhD 1983 812-335-9149  
Neural mechanisms  
Social behavior  
Sensory mechanisms  
development of neural structure, adult plasticity  
Rat (Mammalia:Rodentia:Cricetidae)  
Gerbil (Mammalia:Rodentia:Cricetidae)  
Mouse (Mammalia:Rodentia:Cricetidae)  
Cat (Mammalia:Carnivora:Felidae)

William D. Timberlake Prof.

Univ. of Michigan PhD 1969 812-335-4042  
Learning-Reinforcement  
Behav Ecol-Foraging  
Biological Rhythms  
the investigation of learning in an ecological context  
Rats (Mammalia:Rodentia:Muridae)  
Pigeons (Aves:Columbiformes:Columbidae)  
Deer Mice (Mammalia:Rodentia:Cricetidae)

**Purdue University**  
Animal Sciences  
W. Lafayette, IN 47907  
CHAIRMAN: Bud G. Harmon  
317-494-4808  
DEGREES: MS, PhD ENROLLMENT:  
CONTACT: Jack L. Albright

J.L. Albright Prof.  
Washington State Univ. PhD 1957  
317-494-8010  
Applied ethol-domestic animals  
Social behav-dominance  
Behav ecol-habitat selection  
farm animal behavior, care and welfare; early experiences  
Cattle (Mammalia:Artiodactyla:Bovidae)  
Sheep (Mammalia:Artiodactyla:Bovidae)  
Goats (Mammalia:Artiodactyla:Bovidae)  
Pigs (Mammalia:Artiodactyla:Suidae)  
Other Farm Animals

The next Newsletter will include some listings beginning with  
the state of Kentucky, The University of Kentucky.

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Card Holder's Signature \_\_\_\_\_ ) to:

H Jane Brockmann, ABS Treasurer, Dept of Zoology, Univ of Florida, Gainesville FL 32611

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David Chiszar  
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