



# NEWSLETTER

## Animal Behavior Society

Vol. 33, No. 2  
May, 1988  
A quarterly publication

*David Chiszar, ABS Secretary*  
*Maura Carew, Associate Editor*

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

### ABS NOMINATIONS FOR 1988 ELECTION OF OFFICERS

The following have been nominated for offices that begin 18 June 1989.

#### Second President:

Terry Christenson	Tulane University
H. Jane Brockmann	University of Florida

#### Program Officer:

Donald Owings	Univ of California, Davis
Lynne Houck	University of Chicago

#### Parliamentarian:

George Waring	Southern Illinois University
David Miller	University of Connecticut

#### Member-at-Large:

Robert Provine	Univ of Maryland, Catonsville
Steven Austad	Harvard University

Additional nominations may be made by letter to the Nominations Committee (c/o Gordon Burghardt, Dept of Psychology, Univ Tennessee, Knoxville, TN 37916). Nominations must be signed by five or more ABS members in good standing (Constitution Article 8 Section 1); they must be received by 15 June 1988. The ballot and brief resumes of the candidates will appear in the August 1988 ABS Newsletter (which will appear soon after the Missoula meeting).

### ABS NATIONAL CONVENTION, 1988

To be held at the University of Montana, Missoula, MT., 7-13 Aug 1988. See November Newsletter for registration form. Local host is Don Jenni ; phone (406) 243-5123.

### ABS NATIONAL CONVENTION, 1989

To be held at Northern Kentucky University, Highland Heights, KY, 11-17 June 1989. Local host is Tom Rambo; phone (606) 572-5305).

### 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

### 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 Kingston, Ontario, Canada K7L 3N6

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. Burtt, 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

### OPPORTUNITIES

ABS RESEARCH GRANT APPLICATIONS FOR 1988-1989  
COMPETITION- Pending availability of funds, a second ABS  
Research Grant Competition will be held with an application

deadline of 1 Nov 1988. Full details will be published in the August issue of the ABS Newsletter following the Annual Meeting in Missoula. Application forms and guidelines will be available from Dr. J. Randall, Dept Biol, San Francisco State Univ, San Francisco CA 94123 USA, in late August. (See Announcements for information about 1987-1988 competition.)

**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.

**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.

**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.

**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.

**FACULTY POSITIONS AVAILABLE-** For more than sixty years the Rocky Mountain Biological Laboratory (RMBL) of Gothic CO has offered summer courses in field biology to college students for academic credit. Many renowned researchers have taught a variety of classes over the years. The RMBL is now accepting applications for future summer courses of eight weeks duration. Room, board, travel reimbursement and a stipend are provided. Contact: **Director**, RMBL, or call: Box 519, Crested Butte CO 81224. Further information and application materials will be sent after receipt of a letter of interest.

**GRADUATE FELLOWSHIPS-** The Dept of Biol Sci at MSU has five doctoral fellowships for students entering the Ph.D. program summer or fall 1988. The stipends are \$12,000 plus tuition waiver. One or more of these fellowships can support students interested in behavioral ecology of fishes or of Hawaiian *Drosophila*. Excellent facilities, including an aquatic research building, are available for use by students in the biological sciences who are interested in fish behavioral ecology. Facilities for rearing and maintaining Hawaiian *Drosophila* are also available. Both field and laboratory work is encouraged. The dept has 22 members of which roughly a third have primary interests in behavioral, ecological, or evolutionary biology. MSU ranks among the top 100 universities nationwide in extramural research funding, located 150 miles southeast of Memphis TN and 250 miles north of New Orleans LA near Columbus MS. Contact: **Dr. Wallace Dominey**, Dept Biol Sci, P.O. Drawer GY, Mississippi State Univ, MS State, MS 39762. Phone: (601) 325-7581.

**SCHOOL FOR FIELD STUDIES COURSE: PRIMATE SOCIAL ECOLOGY-**

Conduct research this summer on social ecology of stump-tail macaques on an island in Lake Catemaco, Mexico and take intensive 30 day 8 quarter unit course. Course will include instructions and training in use of computers for data reduction and statistical analyses. Financial aid and scholarships available. For 10 outstanding undergraduates, the National Science Foundation will pay full tuition and living expenses plus a \$1500 stipend. Students on the NSF grant will collaborate with Dr. D. R. Rasmussen of the Wisconsin Primate Center during the following academic year in preparation of their data for publication. Minorities and women are strongly encouraged to apply. Application packet: NSF Research, SCHOOL FOR FIELD STUDIES, 376 Hale street, Beverly MA 01915. Phone: (617)-927-7777.

**SPECIAL FIELD RESEARCH-** The Univ of Calif, University Research Expeditions Program specializes in matching interested amateurs with U.C. scientists for special field research. There are more than 20 UREP expeditions this year, ranging from studies of ancient rock art in Hawaii and the excavation of Eskimo villages in Alaska to an examination of sharecropping in Brazil and a study of AIDS in the Netherlands. No previous experience is necessary to join UREP field teams, which usually include 5 to 8 volunteers. Participants make a contribution -- tax-deductible to those who itemize -- which helps cover basic research expenses and food and accommodation. For further information about UREP expeditions for 1988 and an expedition catalog, write to

University Research Expeditions Program, Univ of Calif, Desk K-22, Berkeley CA 94720. Phone: (415) 642-6586.

**SCIENTISTS CENTER FOR ANIMAL WELFARE-** a well-established and funded educational organization representing the interests of scientists in the ethical use of animals, is **seeking an Executive Director** with a life-science doctorate, organization and program management skills, knowledge of animal-use issues, and ability to continue and initiate fund-raising programs. Send letter, CV, and 3 references to **S. Bloom**, MD, President, Scientists Center for Animal Welfare, 4805 St. Elmo Ave, Bethesda MD 20814. Phone: (301) 654-6390.

**TRAINING PROGRAM, INTERNATIONAL TRAINING CENTER FOR THE CAPTIVE BREEDING OF ENDANGERED SPECIES-** The purpose is to train individuals in the techniques of captive breeding of a variety of endangered animal species so that they can advance the cause of wildlife preservation in their respective countries. The Wildlife Preservation Trust is an international nonprofit organization dedicated to the support of captive breeding of endangered species. It supports projects in captive breeding, field surveys, reintroduction, research, and education. The zoological facility for the Trust's work is located on the island of Jersey, Channel Islands, British Isles. This facility is both a zoo and a breeding/research facility for endangered species, and has a collection of over 100 species of birds, mammals, and reptiles. The international Training Center is an educational facility for training in captive breeding and species conservation combining dormitory, classroom and research facilities for students, staff, and visiting scientists. The training program consists of 6, 10, or 16 weeks of intensive work in all divisions of the zoo. Trainees work in close contact with zoo staff in all phases of animal keeping and breeding. Each trainee spends 2 weeks in each section and a final 2 weeks on an independent project. Daily duties are supplemented with weekly seminars on a variety of topics. The program is flexible in terms of length and focus, designed for individuals with previous practical experience with animals: zoo and animal center staff and postgraduates in conservation-related fields. Tuition is 75L (approximately \$135). Full room and board costs 72L (approximately \$130) per week. Trainees are responsible for air fare to and from Jersey, Channel Islands, as well as personal expenses. Applications should be submitted by June 1st for training beginning the following year and may be obtained from: Training Program, Wildlife Preservation Trust International, 34th St and Girard Ave, Philadelphia PA 19104. Phone: (215) 222-3636. **DEADLINE FOR APPLICATIONS FOR 1989 POSITIONS IS JUNE 1ST, 1988.** Selection is made in August each year; starting date is by arrangement.

**AMERICAN SOCIETY OF PRIMATOLOGISTS-** The Education Committee has compiled a list of summer internships and assistantships available to students interested in primatology. The list contains 25 entries, giving names and addresses of contact persons, job descriptions, start and end dates, stipends and prerequisites. To obtain a copy, contact **Nancy G. Caine**, Chair, Education Committee of ASP, Dept of Psych, Bucknell Univ, Lewisburg PA 17837. Phone: (717) 524-1430.

THE FOUNDATION FOR AMERICAN-CHINESE CULTURAL EXCHANGES- FACCE is organizing a series of seminars on science and technology to bring together scientists from the U.S. and China. Members of ABS are invited to participate. The following material is from a letter by David Decker, Program Director, FACCE, 475 Riverside Dr., Suite 245, New York NY 10115. Phone: (212) 870-2525.

"The purpose of this undertaking is to create an opportunity for initiating long-term exchanges between U.S. and Chinese organizations. In this respect, the seminars are only a vehicle toward what they want to accomplish. They are the first step toward creating a network of contacts and increasing mutual awareness of the progress and development in science and technology in both countries. Eventually, through exchanges of professional publications and international conferences, they propose to launch Chinese scientists into the international scientific community.

"There are four possible two week time periods for the seminars:

1. Monday, October 17 - Monday, October 31, 1988
2. Monday, October 31 - Monday, November 14, 1988
3. Monday, November 21 - Monday, December 5, 1988
4. Monday, January 2 - Monday, January 16, 1989

"The travel arrangements for the seminar will be as follows:

- San Francisco-Shanghai (via Hong Kong)
- Shanghai-Xian-Beijing
- Beijing to San Francisco (via Guangdong and Hong Kong)

"These locations have been strategically chosen due to their important roles in China's development. Xian is the inland center of science and technology, and Beijing, besides being the nation's capital, is the national center of scientific research. If any participants would like to extend the length of their stay or would like an itinerary more tailored to their professional needs, we can make special arrangements for them.

"The price of the seminar is \$2467, which includes room (double occupancy), board, and all travel and program expenses within the People's Republic of China."

Let me know if you are interested in this opportunity. I'll be happy to share some additional information with you. You should also feel free to contact Mr. Decker at FACCE.

#### ANNOUNCEMENTS

SYMPOSIUM FOR 1989 ABS MEETING- Robert Mitchell is organizing a symposium on "Anthropomorphism, Anecdotes, and Theory in the Study of Animal Behavior". If you are interested in presenting a paper (historical, philosophical, or research-oriented) on this theme, contact: **Dr. Mitchell** at Yerkes Regional Primate Research Center, Emory Univ, 2409 Collins Hill Rd, Lawrenceville GA 30245.

#### ANIMAL BEHAVIOR SOCIETY RESEARCH GRANTS 1987-1988 GRANT COMPETITION

For the first ABS Research Grant competition, the Research Grant committee received 51 applications requesting a total of

\$39,527. The \$3000 available for disbursement was shared by six successful applicants:

- S. P. Carroll- Biology, Univ of Utah, Salt Lake City  
Ecological Determinants of Male Mating Systems in *Jadera haematoloma* (Insecta: Hemiptera: Rhopalidae) \$400
- C. R. Dimmick- Biology, Northern Illinois Univ, DeKalb  
Learned avoidance of toxic prey in a model-mimic system \$500
- T. C. Lamey- Zoology, Univ of Oklahoma, Norman  
Parental manipulations: egg size variation and hatch asynchrony in crested penguins \$675
- B. J. Ploger- Zoology, University of Florida, Gainesville  
Proximate and ultimate causes of hatching asynchrony: Do parent cattle egrets manipulate hatching intervals? \$600
- U. M. Savalli- Zoology, University of California, Berkeley  
Sexual selection in the pin-tailed whydah \$425
- B. J. Stutchbury- Biology, Yale University, New Haven  
The adaptive significance of subadult plumage in male and female purple martins \$400

Each application received three reviews, two performed by members of the ABS Research Grant Committee and one by an external reviewer with expertise in the field of study. Members of the Research Grant Committee were: J. Chase (Columbia Univ), W. Holmes (Univ Michigan), M. McClintock (Univ Chicago), G. Michener (Univ Lethbridge, Canada; Committee Chair), J. Randall (San Francisco State Univ), and O. Young (US Dept Agriculture).

The following served as external reviewers: M. Abrahams, J. Altmann, K.B. Armitage, J.W. Atz, G.W. Barlow, K.L. Bildstein, C.R. Brown, N. Burley, E. Burt, P. Busher, L. Chew, A.B. Clark, D. Duval, H.E. Evans, R.Evans, M.B. Fenton, L. Giraldeau, T.C. Grubb, D.T. Gwynne, Z.T. Halpin, J.M. Herbers, R.J. Hudson, R.L. Jeanne, S.H. Jenkins, M.H.A. Keenleyside, W. Koenig, J.D. Ligon, J.A. Mather, B. McGuire, C.D. Michener, J.O. Murie, O. Oftedal, L.W. Oring, D.H. Owings, R.T. Robertson, S. Rohwer, K.W. Rusiniak, J.N.M. Smith, M.H. Smith, R.J.F. Smith, J. Stamps, B.K. Sullivan, R. Thornhill, J.G. Vandenberg, W. Vickery, G.S. Wilkinson, L.L. Wolf.

NATIONAL SCIENCE FOUNDATION- encourages grant applications for a number of special programs: Research Opportunities for Women (202/357--7734; Research Experiences for Undergraduates (202/357-9880); Research in Undergraduate Institutions (202/357-7456); Research Opportunities for Minority Scientists and Engineers (202/357-7350); and the Instrumentation and Instrumentation Development Program (202/357-7652).

NATIONAL SCIENCE FOUNDATION- The following is the complete text of an important recent NSF Announcement.

Division of Behavioral and Neural Sciences  
Experimental Program Realignment for FY 1988  
Richard T. Louttit, Division Director  
During FY 1988, the Division of Behavioral and Neural Sciences is operating under an experimental realignment of

programs which combines smaller programs into a total of four large programs, each having three to five program officers. This realignment seeks to improve interaction among program officers with substantively related areas of responsibility and encourage innovation. Prospective applicants should contact the program officer most appropriate to their research interests.

The four programs, descriptions of coverage, and assigned program officers follow. Program officers may be contacted via E-mail on BITNET or INTERNET using first initial, last name @note.nsf.gov or by telephone at Area Code 202. The Division Director may be reached at: rlouttit@note.nsf.gov.

**Anthropology Program-** Supports research in cultural and social anthropology, archaeology, and physical anthropology; on all topics, techniques, and geographic areas. Support is also provided for preserving and increasing research accessibility of systematic anthropological collections, and for archaeometric research and laboratories. **Target dates:** 1 July, 1 Dec.

Program Director, Anthropology:

Dr. John E. Yellen (357-7804)

Program Director, Cultural Anthropology:

Dr. Stuart M. Plattner (357-7804)

Associate Program Director for Systematic Collections & Dissertations:

Dr. Nancy J. Parezo (357-7804)

**Biological Basis of Behavior Program-** Supports both laboratory and field research on all biological factors that underlie the behavior of animals, and includes the study of animal behavior per se. Research on genetic, environmental hormonal, neural, and developmental determinants of behavior is supported, along with the physiological and anatomical mechanisms involved in motor behavior. A special emphasis is directed toward understanding the neural and neuroendocrine factors responsible for the processes of learning and memory. **Target dates:** 15 July, 15 Jan.

Program Director, Neural Mechanisms of Behavior:

Dr. Nathaniel G. Pitts (357-7040)

Program Director, Animal Behavior:

Dr. Fred Stolnitz (357-7949)

Associate Program Director, Psychobiology of Learning and Memory:

Dr. Dennis Glanzman (357-7949)

**Language, Cognition, and Social Behavior Program-** Supports psychological and linguistic research in the laboratory and in the field in all areas of human social, linguistic and cognitive behavior and the development of behavior in children. Research is supported in the areas of perception, attention, learning, memory, thought, concept formation, attitude formation, personality, emotion, interpersonal processes, social cognition, and social influence. Included is research on the syntactic, semantic, phonological, and phonetic properties of individual languages and of language in general; psychological processes in the production and perception of speech; and the biological foundations of language, cognition, and social behavior. These areas are not inclusive but are representative of the program's broad scope of activity. Research to provide improved methods and techniques is encouraged. **Target dates:** 15 July, 15 Jan.

Program Director, Social Psychology:

Dr. Jean B. Intermaggio (357-9485)

Program Director, Human Cognition and Perception:

Dr. Joseph L. Young (357-9898)

Program Director, Linguistics:

Dr. Frances Karttunen (357-7696)

(Dr. Paul Chapin is on leave from the program during FY1988.)

**Neuroscience Program-** Supports research on all aspects of nervous system structure, function, and development. Included is research on the factors that influence the formation, growth, and aging of the nervous system; how neurons and glia differentiate and regenerate, and their biochemical and biophysical properties; the generation and transmission of signals by the neuron; molecular, cellular, and physiological mechanisms involved in sensory transduction, neural coding and information processing; and the pathways and mechanisms that process neural activity. **Target dates:** 15 July, 15 Jan.

Program Director, Developmental Neuroscience:

Dr. Rodney K. Murphey (357-7042)

Program Director, Cellular Neuroscience:

Dr. Richard D. Broadwell (357-7471)

Program Director, Sensory Systems

Dr. Steven Price (357-7428)

Program Director, Sensory Systems:

Dr. Christopher J. Platt (357-7428)

#### 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-** Dr. Sherman Bloom, a cardiovascular pathologist at the George Washington Univ Med Center, has been named the third president of the Scientists Center for Animal Welfare. He has been a member of the Center's Board of Trustees for 6 years. Dr. Bloom received his M.D. degree from the NY Univer School of Med. He has been a professor of Pathology at the George Washington School of Med in Washington D.C. since 1977 and is attending pathologist at the school's hospital. His research interests are regulation of myocardial contractility, and the vulnerability of heart muscle to injury. Dr. Bloom succeeds Dr. W. Jean Dodds, Chief, Laboratory of Hematology, NY State Dept of Health, who has been President since 1984. Dr. Dodds and the first president, Dr. F. Barbara Orlans, were elected Fellows of the Scientists Center at the Feb meeting of the Board of Trustees. The Scientists Center is an internationally recognized organization of scientists dedicated to fostering the welfare of animal subjects used in research for human benefit. For information write to: Scientists Center for Animal Welfare, 4805 St. Elmo, Bethesda MD 20814. Phone: (301) 654-6390.

**BEWARE-** The following material has been taken from the last Comparative Psychology Newsletter. It is reprinted here to alert our membership that internships are not always what they appear to be in advertisements. The letter was signed in CPN. I have omitted the student's name below to preclude any unintentional embarrassment. Also, the full name of the Quabaug contact person was given in CPN, but I have reduced it to Paul B. in what follows. My goal is to alert ABS members to the need to protect ourselves and our students from fraudulent internships. The names of victims and culprits seem unnecessary.

"CPN Editor's note: The following advertisement was printed in the issues of Volume 6 of CPN."

"Wildlife Rehabilitation in the Amazon: Exerience and internships are available for a wildlife rehabilitation project in the Amazon. Wildlife includes margays, ocelots, monkeys, marmosets, parakeets, parrots, and toucans which have been confiscated. Participants must pay own airfare and a small tuition to cover living expenses. Two and four week courses available. Contact Quabaug Bird Conservatory Foundation, 315 Palmer Rd, Ware MA 01082.

A few months ago, Ron Baenninger (Temple) wrote indicating that several of his students who responded to the advertisement were angry because the advertisement and the representative of the Quabaug Bird Conservatory Foundation had been misleading. Ron forwarded this letter from one of his students."

"Dear Editor,

"When we first contacted Paul B. concerning his advertisement in the newsletter we received a puzzling brochure that described a vacation-type of adventure and not an 'internship program'. We then wrote to him with our concerns - namely that we were graduate students that did not have the time nor money for a vacation but were very interested in a wildlife rehabilitation program. He wrote back to us saying that, yes, there was an internship and that finances did not permit for separate literature.

"Believing this, we wrote back stating that we would like to go for three weeks leaving July 18. Dr. B informed us it would be more convenient for him if we were to leave a week earlier since there were other people leaving on that date. Also he told us that there would be a primatologist at camp and by leaving a week earlier we would have more time to work with her. Thus, we agreed to leave for Peru on July 11. We were told to meet Dr. B at the Miami airport at 4:30 p.m. in order to check in for our 7:00 p.m. flight to Iquitos, Peru. When we arrived at the airport not only were we not met but we also learned that there was not a scheduled flight to Iquitos at all! At 6:00 p.m. we were met by Dr. B's associate who informed us that Dr. B was not accompanying us and that we were taking a midnight flight to Lima.

"When we finally arrived in Iquitos we went to the Selva Tours Office and not the Amazonian Expeditions Office. There we learned that Paul B. was no longer associated with Amazonian Expeditions. It was rumored that he had been charged with embezzlement and had been jailed. The reason why he did not accompany us was the fear that he would be put in jail again. Whether or not this is true we do not know. What we do know is that there was no rehabilitation station, primatologist, ocelots or pink dolphins at the camp where we were stationed. What we did have was a three week vacation consisting of fishing, hiking and birdwatching. We were not the only ones who were misled. The six other people who had traveled with us were also under the impression that it was an internship program.

"The problem we have with Paul B. is the fact that he deceived us and withheld information from us. He should have told us that he was no longer associated with Amazonian Expeditions. He also should have told us that there was no rehab station and that he would not be accompanying us to Peru. We have been told that they are in the midst of building a rehab station and that our money is being put toward the construction of it. We do not want to thwart the progress of the rehab station. That is why we have been hesitant about taking any formal action against Paul B until we know all the facts. If you have any suggestion as to the course of action we should take we would be grateful. Thank you for your time."

"CPN Editor's Note: I was unable to reach the Quabaug Bird Conservatory Foundation to get their response or to talk to Paul B. because there was no number listed for this foundation with Massachusetts information. If you have had similar experiences with this or any other group, we would like to hear from you."

ANIMAL CARE/USE QUESTIONNAIRE

The Animal Care Committee thanks the people who sent in the Animal Care/Use questionnaire published in the February Newsletter. However, not enough responses were received to make an information exchange feasible. If you did not respond before, here is another chance.

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 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

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 23-27 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.

CONFERENCE ON LABORATORY ANIMALS- 22-25 June 1988, Washington, D.C., sponsored by the Scientists Center for Animal Welfare. Headquarters for this 4-day conference will be the Vista International Hotel, where all meetings and workshops will take place. Topics to be discussed include: national policies and regulations governing the use of animals in research, testing, wildlife research, and agriculture; functions of Animal Care and Use Committees; criteria for recognition of animal well-being; and criteria for determining degrees of procedural invasiveness. The focus for one day of the conference will be industrial issues, including updates in toxicity and safety testing; regulatory controls; operation of industrial ACUCS; and environmental factors affecting specific aspects of laboratory animal well-being. On Saturday, 25 June, the focus will be on the role of lay members of Animal Care and Use Committees. The Conference Director is Richard C. Simmonds, D.V.M., M.S. Contact: **Lee Krulisch**,

Scientists Center for Animal Welfare, 4805 St. Elmo Ave, Bethesda MD 20814-4805; phone (301) 654-6390.

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.

INTERNATIONAL SYMPOSIUM ON BIOTELEMETRY- 31 July-5 Aug 1988 at the Univ of Arkansas. The Symposium will feature spoken papers, poster papers, and exhibits in the exciting and expanding field of radio tracking and biotelemetry. Scientists, engineers, wildlife biologists, medical doctors, graduate students and others with interest in telemetry are encouraged to participate. For more information and registration forms contact: **Dr. Charles J. Amlaner, Jr.**, Chairman, Dept Zool, Rm SE632, Univ of Arkansas, Fayetteville AR 72701, USA. Phone: (501) 575-3251.

AMERICAN ORNITHOLOGISTS' UNION- 15-18 Aug 1988 A 10-speaker symposium entitled "Avian responses to parasitism" will be held during the regular meeting in Fayetteville AR, USA. Though speakers for the symposium have been chosen, supplemental papers on bird-parasite interactions are sought for the general sessions. Additional papers will be considered for a proposed symposium volume. Contact: **Dale H. Clayton**, Committee on Evolutionary Biol, Univ Chicago, 1025 E. 57th St, Chicago IL 60637; phone: (312) 684-6277, - or - **Jenella Loye**, Dept Biol, Univ Utah, 201 Biol Bldg, Salt Lake City UT 84112; phone: (801) 581-6517.

**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).

**NE DIVISION ABS/SOCIETE QUEBECOISE POUR L'ETUDE BIOLOGIQUE DE COMPORTEMENT.** Joint Annual Meeting, 4-6 Nov 1988. Macdonald College of McGill University, 21,111 Lakeshore Road, Ste-Anne-de-Bellevue, Quebec, H9X 1CO. Keynote speaker, **Dr. Robert Ricklefs**. In addition a special symposium, "Behavioral strategies for coping with winter" will be held. A refereed conference proceedings is planned on this theme. For information and/or to be placed on the mailing list contact: **F. Whoriskey** - or - **R. D. Titman**, Dept Renewable Resources, MacDonald College.

**ECOLOGICAL AND EVOLUTIONARY ETHOLOGY OF FISHES, SEVENTH CONFERENCE-** May 1990. Hosted by: Dept Biol Sciences and the Bilby Research Center of Northern Arizona Univ, Flagstaff AZ. Historically, the conference has been held in odd-numbered years. The decision to postpone the next conference by one year derives from (1) widespread limits on travel funds to attend conferences and (2) desire by many who attend the EEEF meetings to attend the International Ethology Congress held in the same, odd-numbered years. A more detailed announcement will be sent in early Fall 1988 to those receiving this mailing. Individuals or organizations wishing to be placed on the list should send their name and mailing address to the address below. As usual, symposia will be a central component of the conference. A symposium on behavioral genetics has been tentatively scheduled. Suggestions for additional topics of symposia will be welcomed, particularly from those willing to organize the symposia. Send all correspondence to: EEEF Conference. **Att: Anthony Mazeroll**, Dept Biol Sciences, Northern Arizona Univ, Flagstaff AZ 86011.

**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. Listings in this issue begin with the state of Kentucky, the University of Kentucky.

**KENTUCKY**

**University of Kentucky**  
Entomology  
Lexington, KY 40546  
CHAIRMAN: B.C. Bass 606-257-7450  
DEGREES: MS, PhD ENROLLMENT: -0-  
CONTACT: B.C. Bass

**Kenneth F. Haynes** Asst. Prof.  
Univ. of California, Davis PhD 1982  
606-257-1618  
Communication/chemical  
Evolution/survival value  
Sex and reproduction  
insect pheromones; chemical communication in insects;  
courtship behavior;  
mechanisms or orientation; chemical ecology  
Moths (Insecta:Lepidoptera)  
Beetles (Insecta:Coleoptera)

**MAINE**

**University of Maine**  
Zoology  
Orono, ME 207-581-2551  
CHAIRMAN: James D. McCleave  
207-581-2551  
DEGREES: MS, PhD ENROLLMENT: 5  
CONTACT: Ms. Bonnie L. Morgan

**Harold B. Dowse** Asst. Prof.  
New York Univ. PhD 1971  
207-581-2536  
Biological rhythms  
Behavior genetics  
Theoretical models  
effects of genetic lesions on the biological clock in -  
Drosophila  
melanogaster  
Fruit fly (Insecta:Diptera:Drosophilidae)

**William E. Glanz** Assoc. Prof.  
Univ. of California, Berkeley PhD 1977  
207-581-2545  
Behav ecology; foraging  
Behav ecology; habitat selection  
Behav ecology; territoriality  
foraging, caching & population ecology of tree squirrels and  
other seed  
predators  
Tree squirrel (Mammalia:Rodentia:Sciuridae)  
Mice (Mammalia:Rodentia:Cricetidae)

Agoutis & Pacas (Mammalia:Rodentia:Dasyproctidae)  
Jays (Aves:Passeriformes:Corvidae)

Leonard Kass                      Asst. Prof.  
Univ. of Illinois, Campaign-Urbana  
PhD 1980      207-581-2567  
Sensory mechanisms  
Neural mechanisms  
Biological rhythms  
neurophysiology, pharmacology, behavior  
Horseshoe crab (Arthropoda:Merostomata:Limulus polyrhemus)

Irv Kornfield                      Assoc. Prof.  
SUNY, Stony Brook      PhD      1974      207-581-2548  
Evolution  
Natural history  
Behav ecol  
reproductive behavior, mating systems and sexual selection in  
fishes  
Cichlids (Osteichthyes:Percomorphi:Cichlidae)

James D. McCleave                      Prof.  
Montana State Univ.                      PhD      1967  
207-581-2542  
Behavioral ecology: orient/navigation/migration/homing  
Locomotion  
Biological rhythms  
migratory and locomotory mechanisms in larval, juvenile and  
adult eels, and  
other diadromous fishes  
American & European eels  
(Osteichthyes:Anguilliformes:Anguillidae)

John R. Moring                      Assoc. Prof.  
Univ of Washington                      PhD      1973  
207-581-2580  
Behavioral ecology  
Applied Ethology  
Descriptive studies/natural history  
fisheries ecology; habitat selection by fishes  
Salmon & trout (Osteichthyes:Clupeiformes:Salmonidae)  
Lumpfish (Osteichthyes:Perciformes:Cyclopteridae)  
Rock gunnel (Osteichthyes:Perciformes:Pholidae)

John Ringo                      Assoc. Prof.  
Univ. of California, Davis      PhD      1973  
207-581-2556  
Behavioral genetics  
Biological rhythms  
Evolution  
biological clock mutants  
Fruit flies (Insecta:Diptera:Drosophilidae)

J. Malcolm Shick                      Prof.  
Texas A&M Univ.                      PhD      1974  
207-581-2562  
Behavioral ecology  
Evolution/survival value  
Sensory mechanisms  
responses to variable levels of oxygen and illumination,  
especially

hyperoxia and solar UV irradiation  
Sea anemones (Anthozoa:Actiniaria)

## MARYLAND

**University of Maryland**  
Zoology, Poultry Science  
College Park, MD 20742  
CHAIRMAN: Arthur Popper (Zoology)  
301-454-3202  
O.P. Thomas (Poultry Science)  
301-454-3835  
DEGREES: MS, PhD ENROLLMENT: 20  
CONTACT: J. David Allan (Zoology)  
O.P. Thomas (Poultry Science)

Gerald Borgia                      Assoc. Prof.  
Univ. of Michigan                      PhD      1978  
301-454-5757  
Social behavior  
Evolution/survival value  
sexual selection  
Birds/Bowerbirds (Aves:Passeriformes:Ptilonorynchidae)  
Insects/Dungflies (Insecta:Diptera:Scatophagidae)

Gerald Wilkerson                      Asst. Prof.  
Univ. of California, San Diego      PhD 1984  
301-454-5410  
Social behavior  
Evolution/survival value  
Behavioral genetics  
evolution of altruism and cooperation in bats;  
quantitative genetic consequences of sexual selection in flies  
Evening bat (Mammalia:Chiroptera:Vespertilionidae)  
Stalk-eyed flies (Insecta:Diptera:Diopsidae)  
Vampire bat (Mammalia:Chiroptera:Phyllostomatidae)

Joy A. Mench                      Asst. Prof.  
Univ. of Sussex                      D. Phil.      1983  
301-454-5064  
Applied ethology: domestic animals  
Development/ontogeny  
Endocrine/hormonal mech  
effects of stress on behavioral and endocrine responses;  
ontogeny of social  
behavior  
Quail (Aves:Galliformes:Phasianidae)  
Chickens (Aves:Galliformes)

Mary Ann Ottinger                      Assoc. Prof.  
Univ. of Maryland                      PhD      1977  
301-454-5061  
Endocrine/hormonal mech  
Neural mech  
behavioral endocrinology in context of embryonic  
differentiation,  
maturation of the system and aging as pertinent to reproduction  
Quail (Aves:Galliformes:Phasianidae)  
Chickens (Aves:Galliformes)

Wayne J. Kuenzel                      Prof.

Univ. of Georgia                      PhD            1969  
 301-454-5063  
 Feeding/ingestion  
 Neural mechanisms (brain lesions)  
 Drug studies  
 neural control of food and water intake and the neural control of  
 precocious puberty;  
 the approach is a comparative one with an emphasis on birds  
 Domestic fowl (Aves:Galliformes)  
 Turkeys (Aves:Galliformes:Meleagrididae)  
 White-throated sparrows (Aves:Passeriformes:Fringillidae)

### MISSISSIPPI

**Mississippi State University**  
 Biological Sciences  
 Mississippi State, MS 39762-5759  
 CHAIRMAN: H. Wyman Dorough  
 601-325-7587  
 DEGREES: MS, PhD ENROLLMENT: 8  
 CONTACT: Graduate School Admissions

Wallace J. Dominey                      Asst. Prof.  
 Cornell Univ.                              PhD            1981  
 601-325-3120  
 Behavioral ecology  
 Social behavior  
 Evolution  
 mating systems, alternative mating behaviors, sexual selection  
 Bluegill sunfish (Pisces:Centrarchidae)  
 African chichlids (Pisces:Chichlidae)  
 Hawaiian Drosophila (Insecta:Diptera)

Jerome A. Jackson                      Prof.  
 Univ. of Kansas                          PhD            1970  
 601-325-3120  
 Behavioral ecology  
 Descriptive studies/natural history  
 Social Behavior  
 foraging, habitat selection, cooperative breeding  
 Red-cockaded woodpecker (Aves:Piciformes:Picidae)  
 Snowy plover (Aves:Charadriiformes:Charadriidae)  
 Rat snake (Reptilia:Serpentes:Colubridae)

### NEBRASKA

**University of Nebraska, Omaha**  
 Psychology  
 Omaha, NE 68182-0274  
 CHAIRMAN: Kenneth Deffenbacher  
 402-554-2592  
 DEGREES: MA, PhD ENROLLMENT: 7  
 CONTACT: Jeffrey A. French

Jeffrey A. French                          Assoc. Prof.  
 Univ. of Wisconsin, Madison              PhD            1982  
 402-554-2592  
 Social behavior: sex and reproduction  
 Endocrin/hormonal mechanisms  
 Communication: acoustic

sexual communication, reproductive suppression, maintenance  
 of monogamy,  
 referential communication  
 Golden lion tamarin (Mammalia:Primates:Callithrichidae)  
 Gerbils (Mammalia:Rodentia:Cricetidae)

### NEVADA

**University of Nevada, Reno**  
 Psychology, Biology  
 Reno, NV 89557  
 CHAIRMAN: G.P. Ginsburg (Psych) B. Vig  
 (Bio) 702-784-6828  
 DEGREES: MA, PhD ENROLLMENT: 10  
 CONTACT: B.T. Gardner, Psychology

R.A. Gardner                              Prof.  
 Northwestern Univ.                          PhD            1954    702-784-6828  
 Communication  
 Development  
 Learning  
 sign language studies of chimpanzees  
 Chimpanzees (Primates:Pongidae)  
 Rats (Rodentia)

B.T. Gardner                              Prof.  
 Oxford Univ.                                  D. Phil.    702-784-6685  
 Communication  
 Development  
 Social Behavior: parental/filial  
 sign language studies of chimpanzees  
 Chimpanzees (Primates:Pongidae)  
 Children (Primates:Hominidae)

Stephen H. Jenkins                          Assoc. Prof.  
 Harvard Univ.                                  1975  
 702-784-6188  
 Behavioral ecology  
 Evolution/survival value  
 Feeding/ingestion  
 food selection, hoarding behavior of rodents  
 Rodents  
 (Mammalia:Rodentia:Castoridae,Cricetidae,Heteromyidae,Sciuri  
 dae)

Gary L. Vinyard                              Assoc. Prof.  
 Univ. of Kansas                                  PhD            1977  
 702-784-6188  
 Behavioral ecology  
 Sensory mechanisms  
 Feeding/ingestion  
 feeding behavior, community ecology of fish and aquatic  
 insects  
 Fish (Chordata:Osteichthyes)

Richard W. Rust                              Assoc. Prof.  
 Univ. of California, Davis                      PhD            1972  
 702-784-6188  
 Behavioral ecology  
 Evolution/survival value  
 Social Behavior

pollination ecology, parental investment, sexual selection in solitary bees

Bees (Insecta:Hymenoptera)

Joel Berger                      Assoc. Prof.  
Univ. of Colorado              PhD              1978  
702-784-6763  
Social behavior  
Evolution/survival value  
Behavioral ecology  
reproductive strategies, sexual selection, interactions of behavior and demography  
Ungulates  
(Mammalia:Perissodactyla:Equidae,Artiodactyla:Bovidae)

### NEW MEXICO

**University of New Mexico**  
Biology  
Albuquerque, NM 87131  
CHAIRMAN: D. Duszynski  
505-277-3411  
DEGREES: MA, PhD ENROLLMENT:  
CONTACT: Graduate Admissions Secretary

Astrid Kodric-Brown              Assoc. Prof.  
Univ. of Southern California      PhD              1975  
Behavioral ecology  
Evolution/survival value  
Social behavior  
mechanisms of sexual selection, mate choice, breeding systems, territoriality  
Pupfish (Osteichthyes:Atherinoformes:Cyprinolontidae)  
Guppy (Osteichthyes:Cyprinoformes:Cyprinolontidae)

### NEW YORK

Columbia University Graduate School of  
Arts and Sciences  
Psychology  
New York, NY 10027  
CHAIRMAN: Robert Krauss  
212-280-3949  
DEGREES: PhD ENROLLMENT: 6  
CONTACT: Nori Geary/Herbert Terrace

Peter Balsam                      Prof.  
Univ. NC                      PhD              1975              212-280-5312  
Learning  
Development  
conditioning, development of feeding  
Ring Doves (Aves:Columbiformes:Columbidae)  
Pigeons (Aves:Columbiformes:Comumbidae)  
Rats (Mammalia:Rodentia:Muridae)

Nori Geary                      Asst. Prof.  
Brown Univ.                      PhD              1978              212-280-2196  
Feeding/ingestion  
Neural mechanisms

Drug studies/cocaine addition  
endocrine/metabolic relations of feeding/neuropharmacology of cocaine addition  
Albino Rat (Mammalia:Rodentia:Muridae)

John Gibbon                      Prof.  
Columbia Univ.                      PhD              1965              212-280-3302  
Learning  
Behavioral etiology  
animal cognition - timing and time perception  
Pigeons (Aves:Columbiformes:Columbidae)

Warren H. Meck                      Asst. Prof.  
Brown Univ.                      PhD              1982              212-280-3057  
Learning  
Development  
Neural Mechanisms  
animal cognition: timing, time perception, spatial abilities.  
Rats (Mammalia:Rodentia:Muridae)

Rue Silver                      Prof.  
PhD              1972              212-280-3930  
Biological rhythms  
Endocrine/Hormonal Mechanisms  
Neural Mechanisms - Brain Transplants  
Ring Doves (Aves:Columbiformes:Columbidae)  
Hamsters (Mammalia:Rodentia:Muridae)

Herbert S. Terrace                      Prof.  
Harvard Univ.                      PhD              1961              212-280-4545  
Learning  
Communication  
Behavioral Ecology  
Pigeons (Aves:Columbiformes:Columbidae)  
Rhesus (Mammalia:Primates:Cercopithecidae)

Christina L. Williams                      Asst. Prof.  
Rutgers Univ.                      PhD              1980  
212-280-2329  
Development/Ontogeny  
Sex and Reproduction  
Neural Mechanisms  
developmental psychobiology of motivated behavior  
Rat (Mammalia:Rodentia:Muridae)

**Cornell University**  
Neurobiology and Behavior  
Ithica, NY 14853  
CHAIRMAN: Miriam Salpeter  
607-255-4517  
DEGREES:              ENROLLMENT:  
CONTACT: Ms. Stacey Coil

Kraig Adler                      Prof.  
Univ. of Michigan                      PhD              1968              607-255-6569  
Orientation  
Navigation  
Receptors  
sensory basis of animal orientation  
Amphibia

Reptilia

Robert R. Capranica      Prof.  
MIT                      ScD 1964      607-255-3594  
Animal Communication  
Neuroethology  
Hearing  
field studies in bioacoustic communication  
Frogs (Amphibia:Anura:Ranidae)  
Toads (Amphibia:Anura:Bufonidae)

Stephen T. Emlen            Prof.  
Cornell Univ.              PhD 1966      607-255-4751  
Behavioral Ecology  
Social Behavior  
sociobiology and avian migration/navigation  
White-fronted Bee-eater (Aves:Coraciiformes:Meropidae)  
American Jacana (Aves:Charadriiformes:Jacanidae)  
Bank Swallow (Aves:Passeriformes:Hirundinidae)  
New World Warblers (Aves:Passeriformes:Parulidae)

Carl Hopkins                Prof.  
Rockefeller Univ.         PhD 1972      607-255-2259  
Neuroethology  
Animal communication  
Electric fish  
electric communication and neuroethology  
Electric fish (Gymnotiformes:Mormyridae)

Howard C. Howland        Prof.  
Cornell Univ.              PhD 1968      607-255-4716  
Vision  
physiological optics  
Human infants  
Birds  
Fish

Ron Hoy                      Prof.  
Stanford Univ.             PhD 1968      607-255-7473  
Neuroethology  
Communication  
Auditory Behavior  
Crickets (Orthoptera:Grillidae:Grillinae)  
Fruitflies (Diptera:Drosophilidae:Drosophila)  
Praying Mantis (Dictyoptera)

Thomas D. Seeley          Asst. Prof.  
Harvard Univ.             PhD 1978      607-255-6574  
Social Behav. - cooperation  
Behav. Ecology - foraging  
Communication  
insect social life, cooperation and conflict, communication,  
division of  
labor, social organization especially of honey bees  
Honeybee (Insecta:Hymenoptera:Apidae)  
Dwarf Honeybee (Insecta:Hymenoptera:Apidae)  
Eastern Hive Bee (Insecta:Hymenoptera:Apidae)  
Giant Honeybee (Insecta:Hymenoptera:Apidae)

Charles Walcott            Prof.  
Cornell Univ.              PhD 1959      607-255-4783

Orientation and Navigation  
Animal Communication  
Homing Pigeon

**Hunter College of the City  
University of New York**  
Biopsychology/Psychology  
New York, NY 10021  
CHAIRMAN: Peter Moller 212-772-5621  
DEGREES: PhD ENROLLMENT: 46  
CONTACT: Peter Moller

Gordon Bazz                Assoc. Prof.  
Carnegie-Mellon Univ.     PhD 1975  
212-772-5610  
Devel/Ontogeny  
Drug Studies  
Neural Mechanisms  
neurochemical basis of behavioral changes that occur during  
development and  
how these neural systems differ or remain the same  
Rat (Mammalia:Rodentia:Rattus norvegicus)

Sheila Chase                Prof.  
City Univ. of New York     PhD 1967  
212-772-5617  
Memory  
Discrimination  
Decision Processes  
development of a quantitative theory of learning, memory and  
decision  
making by birds, monkeys and humans  
Pigeon (Aves:Columbiformes)

John F. Oates                Assoc. Prof.  
Univ. of London            PhD 1974      212-772-5410  
Behav. Ecol.  
Social Behav.  
ecological, behavioral and evolutionary studies of African rain-  
forest  
primates  
Primates (Cercopithecidae)

Ethel Tobach                Adjunct Professor/ Curator  
New York Univ.             PhD 1957  
212-873-1300  
Comparative Psychology  
Social-Emotional Behavior  
Development  
evolution and development of social/emotional behavior as  
functions of  
genetic and ecological processes; philosophical substrate of  
theories of  
evolutionary and behavioral processes  
Sea Hares (Gastropoda:Anaspidae:Aplysia)  
African Mouth Brooders (Osteichthyes:Teleostei:Sarotherodon)  
Laboratory Rats (Mammalia:Rodentia:Muridae)  
Common Spiny Mice (Mammalia:Rodentia:Muridae)  
Japanese Monkey (Mammalia:Primate:Cercopithecidae)

Howard Tupoff              Prof.

CUNY                      PhD 1968      212-873-1300  
Social Behavior  
Communication  
Behavioral Ecology  
development and evolution of social behavior in ants  
Slave-making Ants (Hymenoptera)  
Army ants (Hymenoptera)

H.P. Zeigler              Prof.  
Univ. of Wisconsin      PhD      1958  
212-873-1419  
Sensory: Somatosensory  
Feeding (Ingestion)  
Neural Mechanisms  
neural control of feeding: sensorymotor mechanisms  
Pigeon (Columbiformes)

Myron A. Hofer          Prof.  
Harvard                  PhD      1958      212-960-5692  
Development  
Social Behavior  
Motivation (emotion)  
the shaping influence of parent-infant interaction and  
deprivation on  
development of behavioral and physiological systems of  
offspring.  
Rat (Mammalia:Rodentia:Muridae)  
Human (Mammalia:Primates:Hominidae)

**Rockefeller University Field  
Research Center**

Animal Behavior  
Millbrook, NY 12545  
CHAIRMAN: P. Marler  
914-677-5356  
DEGREES: PhD ENROLLMENT: -0-  
CONTACT: Dean's Office

Peter R. Marler          Prof.  
Cambridge Univ. England      PhD      1954  
914-677-5356  
Development/ontogeny  
Communication/acoustic  
Endocrine/hormonal mechanisms  
animal behavior, with special reference to development of vocal  
communication in birds and primates; animal semantics; role of  
innate  
knowledge in development of perception in animals and man  
Birds (Aves:Passeriformes)  
Primates (Primates:Pongidae and Cercopithecidae)

**S.U.N.Y. College of Environ. Sci.  
& Forestry**

Environ. & Forest Biology  
Syracuse, NY 13210  
CHAIRMAN: R.L. Burgess 470-6749  
DEGREES: MS, PhD ENROLLMENT: 35  
CONTACT: R.L. Burgess

Frank E. Kurczewski      Prof.

Cornell Univ.              PhD      1964  
470-6753  
Behavioral ecology  
Natural history  
Evolution/survival value  
comparative ethology of predatory wasps  
Digger wasps (Insecta:Hymenoptera:Sphecidae)  
Spider wasps (Insecta:Hymenoptera:Pompilidae)  
Social wasps (Insecta:Hymenoptera:Vespidae)  
Satellite flies (Insecta:Diptera:Sarcophagida)

\* \* \*

NOTE to the Membership: 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.

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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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