

NEWSLETTER

Animal Behavior Society

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A quarterly publication

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Clemson, South Carolina 29631

Section (Division) Animal Behavior and Sociobiology
American Society of Zoologists
Ecological Society of America

1984 ABS ANNUAL MEETING -- FINAL CALL FOR PAPERS

13-17 August, Eastern Washington University, Cheney, WA. Transmittal and Abstract Preparation Forms were included in the November 1983 ABS NEWSLETTER and are in this Newsletter. You may request Forms from the ABS Program Officer: Lee C. Drickamer, Biology Department, Williams College Williamstown, MA 01267 (ph. 413-597-2223).

There are three types of contributed papers: 20 min (15 min for presentation and 5 min discussion), 5 min papers, and poster papers. ABS members may present or sponsor only one contributed paper at the Annual Meeting. When a member co-authors with a nonmember who is presenting, the member is sponsoring that paper. A member may also show one film and participate in an invited paper session or symposium in addition to giving or sponsoring one contributed paper. Members may present or sponsor a 20 min paper in consecutive years. It is expected that the research reported at the Annual Meeting complies with all applicable laws concerning animal care. See the May 1983 ABS Newsletter for these guidelines. Transmittal and Abstract forms, as well as inquiries concerning the program should be directed to the ABS Program Officer, Lee C. Drickamer.

DEADLINE FOR RECEIPT OF ABSTRACTS -- 7 APRIL 1984

POSTER PAPERS are strongly encouraged. Participation will facilitate more discussion, perusal of data, and one-to-one exchange of ideas. At the Cheney meeting, we will try a new evening format for the two poster paper sessions which will include refreshments.

FILMS: At the 1983 meeting, the ABS established two new film awards. One award, to be called the Jack Ward Memorial Film Award, will be a cash award for the best film presented by an amateur (a non-commercial film maker) at an ABS Annual Meeting. A second award, to be called the ABS Film Award, will be a non-cash award for the best film presented by a commercial film maker at an ABS Annual Meeting. These awards need not be presented annually. We are looking for new and original films to include in the program. If you have produced a film or have previewed new films you feel should be included in the program, please contact the Film Committee Chairperson, Wayne Aspey, Department of Zoology, Ohio State University, Columbus, OH 43210 (ph. 614-422-9861).

ALLEE AWARD: The W. C. Allee Award will be presented for the outstanding student paper at the 1984 ABS Annual Meeting. Any independent student research which is unpublished at the time of submission for the competition is eligible for this cash award so long as the student has not competed before and has not had the final defense of the doctoral dissertation prior to the preceding ABS Annual Meeting. All papers must be single authored. To compete, send the Transmittal and Abstract Forms to the Program Officer (by 7 April 1984), and four copies of a written version of the paper to: Jeanne Altmann, Dept. of Biology, University of Chicago, Chicago, IL 60637. The written manuscript must not exceed 7 pages of double-spaced typewritten text; it may include no more than 4 tables and figures and should be completed in the Animal Behaviour format.

DEADLINE FOR RECEIPT OF THE WRITTEN TEXT IS 7 MAY 1984.

1984 ANNUAL ABS MEETING

13-17 AUGUST, EASTERN WASHINGTON UNIVERSITY

CHENEY WASHINGTON

REGISTRATION AND HOUSING: Information appears in this Newsletter. The local host: Steven B. Christopher, Office of Academic Affairs, Showalter Hall, Eastern Washington University, Cheney, WA 99004.

ANIMAL MISBEHAVIOUR: After an unfortunate lapse of several years, interest has again been expressed in publishing this renowned and important journal. Those who wish to help in this endeavor, or who may have materials they wish to submit for possible inclusion, should contact the Editor, Steve Rebach, Department of Natural Sciences, University of Maryland--Eastern Shore, Princess Anne, MD 21853 (ph. 301-651-3979).

HIGHLIGHTS OF THE PROGRAM:

- * The Fellows Lectures:
Donald A. Dewsbury, University of Florida, Gainesville;
Frank McKinney, Bell Museum, University of Minnesota.
- * A Symposium:
Advances in the Study of the Development of Behavior.
Ronald W. Oppenheim, Wake Forest University;
Michael D. Breed, University of Colorado;
Bennett G. (Jeff) Galef, McMaster University, Ontario;
Jay S. Rosenblatt, Institute of Animal Behavior, Rutgers.
- * The Keynote Speaker:
John Maynard Smith, University of Sussex, UK.
- * An Invited Paper Session on Human Ethology.
- * Contributed Paper Sessions. Film Session.
- * Poster Papers. Two evening sessions.
- * Allee Competition.
- * Socials and banquet.
- * Computer Workshop. See below.
- * Anniversary Session. Celebrating the 20th Anniversary of the Animal Behavior Society and honoring the founders. Details on next page.

COMPUTER WORKSHOP

The Education Committee is organizing a Workshop titled "The Use of Computers in Teaching Animal Behavior" for the 1984 Annual ABS Meeting in Cheney, WA. If you would be interested in participating, or know of anyone who might be interested, please contact

Christine Boake
Department of Biology
Whitman Laboratory
The University of Chicago
915 East 57th Street
Chicago, IL 60637
(ph. 312-962-9638)

CELEBRATION OF ABS 20th ANNIVERSARY

A session celebrating the 20th Anniversary of the Animal Behavior Society and honoring the founders will be held at the 1984 Annual Meeting of ABS at Eastern Washington University at Cheney, Washington (13-17 August). The following presentations are planned for the Anniversary Session:

- Edwin M. Banks: W. C. Allee and the "Chicago" school of Animal Behavior.
Nicholas E. Collias: The role of American zoologists and ethologists in the development of ethology during the three decades preceding the formation of the ABS.
Martin W. Schein: The roots of the ABS.
John Paul Scott: The origin of the ABS as I saw it.
Jerry Hirsch: The early years of the ABS.
David E. Davis: The dual origin of the "Animal Behaviour" journal.

PHOTOGRAPHS ARE NEEDED

A poster session is planned for the 1984 Annual Meeting at Eastern Washington University in Cheney to honor ABS founders and to celebrate the 20th Anniversary of the Society. Photographs of ABS Founders, Fellows, early meetings, etc. are needed. Please contact Martin W. Schein, ABS Historian (Department of Biology, University of West Virginia, Morgantown, WV 26506) to make a donation or arrange to have duplicates made of photos or slides you can contribute to this exhibit.

1984 ANNUAL ABS MEETING
13-17 AUGUST, EASTERN WASHINGTON UNIVERSITY
CHENEY WASHINGTON

ABS members will receive a brochure from Eastern Washington University with more information about the meeting. You should receive the brochure by late February. The cutoff date for "late" vs. "advance" registration is not available as this Newsletter goes to press, but will be specified in the brochure. Use the registration and housing form in this Newsletter.

TO ORGANIZE SYMPOSIA FOR ABS AND ASZ MEETINGS:

For the December 1985 ASZ meeting in Baltimore, proposals must be received by the Program Officer before 1 MAY 1984.

For the 1985 ABS meeting at North Carolina State University, Raleigh (June), proposals for Symposia and Invited Paper Sessions must be received by the Program Officer before 1 AUGUST 1984 for consideration by the Executive Committee at the Cheney ABS meeting.

ABS Program Officer, Lee C. Drickamer, Dept. of Biology, Williams College, Williamstown, MA 01267.

ASZ-ABS MEETINGS: These are affiliated meetings in association with DAB-ASZ and are not ABS annual meetings.

1984 Dec. 27-30 at the Marriott Hotel and the Holiday Inn in Denver (Dennis Barrett and James Platt, University of Denver chair the local committee).

1985 Dec. 27-30 at the Hyatt Regency and the Hilton in Baltimore (Donald Forester and Philip Creighton, Towson State University chair the local committee).

FUTURE ANIMAL BEHAVIOR SOCIETY ANNUAL MEETINGS:

1985 June, North Carolina State University, Raleigh, host: George T. Barthalmus, Department of Zoology. Final arrangements will be announced when available.

MEETINGS -- CALLS FOR PAPERS

N.A. WILDLIFE AND NATURAL RESOURCES CONFERENCE: 23-28 March 1984 at the Boston Park Plaza Hotel, Boston, MA.

SYMPOSIUM ON CONDITIONED FOOD AVERSION: 9-11 April 1984, Barbazon Plaza Hotel in New York City; sponsored by the New York Academy of Sciences. The meeting will include papers on learning, animal behavior, physiology, toxicology, as well as on the clinical implications of toxiphobia. Contact: Conference Department (c/o Mrs. Ellen Marks), The New York Academy of Sciences, 2 East 63rd St., New York, NY 10021 (ph. 212-838-0230).

MIAMI INTERNATIONAL SYMPOSIUM ON THE BIOSPHERE: 16-18 April 1984 at Miami Beach, FL. Sessions include: pollution; deforestation; effects of pesticides and fertilizers; endangered species; acidification; national parks; etc. Contact: Dr. T. Nejat Veziroglu, Director, Clean Energy Research Institute, Univ. of Miami, P.O. Box 248294, Coral Gables, FL 33124.

AMER. ASSOC. ZOOKEEPERS: Southeastern Regional Conference, 19-21 April 1984 at the Riverbanks Zoo in Columbia, SC. Contact: Stephen Danko, Riverbanks Zoo, 500 Wildlife Parkway, Columbia, SC 29210.

HUMAN-ALLOANIMAL SOCIAL RELATIONS: Symposium at the 60th annual meeting of the Central States Anthropological Society, 26-28 April 1984 in Lincoln Nebraska. To participate, contact: Robert Mitchell, Dept. Psychology, Clark Univ., Worcester, MA 01610.

AAAS MEETING: 24-29 May 1984 at the New York Hilton and Sheraton Centre Hotels. See these issues of Science: 2 March (prelim. program, housing); 30 March (complete program). Contact: AAAS Meeting Office, 1101 Vermont Ave., NW, 10th Floor, Dept. A, Washington, D.C. 20005 (ph. 202-842-9530).

MIDWEST REGIONAL ANIMAL BEHAVIOR SOCIETY MEETING:

27-29 April 1984 at Southern Illinois University in Carbondale. Meetings will be held at the SIU Touch of Nature Environmental Center on Little Grassy Lake.

Contributed papers, poster papers, and invited paper sessions are planned. Symposia: Applied Ethology; Predator-prey Relations and Neuroethology; Studies of Free-ranging Animals.

Keynote Speaker: Wolfgang Schleidt.

Deadline for camera-ready abstracts (not to exceed 3 by 7 inches): 9 March 1984.

For conference information write: Dr. Geo. H. Waring, Department of Zoology, Southern Illinois Univ., Carbondale, IL 62901 (ph. 618-536-2314).

WILDLIFE HAZARDS TO AIRCRAFT: 22-24 May 1984 at Charleston, SC. Contact: Lilia Abron-Robinson, Peer Consultants, Inc., 1160 Rockville Pike, Suite 202, Rockville, MD 20852.

WILSON ORNITHOLOGICAL SOCIETY: 31 May-3 June 1984 at the Univ. of North Carolina, Wilmington. Contact: Mary H. Clench, Program Chair, 2239 N.W. 21st. Ave., Gainesville, FL 32605.

MANAGEMENT OF NONGAME WILDLIFE as species and as integral components of ecological communities: 11-12 June 1984 at Univ. of Kentucky, Lexington. Subjects of the Workshop: inventory; management; monitoring methods; and current and future research. Contact William C. McComb, Dept. of Forestry, Univ. of Kentucky, Lexington, KY 40546.

VOLUNTARY CONTRIBUTIONS: The Animal Behavior Society welcomes contributions. Members may make the ABS a beneficiary of an estate or name the ABS in a will.

HOUSING AND PRE-REGISTRATION FORM

1984 ANIMAL BEHAVIOR SOCIETY MEETING

13-17 AUGUST, EASTERN WASHINGTON UNIVERSITY, CHENEY WASHINGTON

Eastern Washington University, located in Cheney Washington, is in the north-eastern section of the state. Cheney is 17 miles southwest of Spokane -- population 200,000. The August climate is semi-arid with normal daytime temperatures in the 80's and night time lows in the 50's. You will receive a brochure with more details.

Spokane International Airport is 12 miles from campus -- a short 15 minute drive. Special air travel rates and free shuttle service are being arranged.

Eastern Washington University invites ABS meeting participants to stay on campus in our clean and comfortable residence halls. The halls are located close to all meeting sessions. As the summer evenings in the great Northwest enjoy cool breezes, there is little need for air conditioning. Use this form to register.

ROOM RATES: \$ 9.00 per person per day, double occupancy
 \$ 12.00 per person per day, single occupancy

Name(s) _____ Male Female

 _____ Male Female

Address _____

Telephone _____

Roommate's name _____ (Unless indicated, roommates will be assigned for double occupancy room requests.)

We welcome families! Special rates for the children are available at \$6.00 per night. Please indicate age of child when registering.

<u>RESERVATIONS:</u>	<u>Single</u>	<u>Double</u>	<u>Non-Smoker</u>	<u>Smoker</u>
Saturday August 11	____	____	____	____
Sunday August 12	____	____	____	____
Monday August 13	____	____	____	____
Tuesday August 14	____	____	____	____
Wednesday August 15	____	____	____	____
Thursday August 16	____	____	____	____
Friday August 17	____	____	____	____
Saturday August 18	____	____	____	____

REGISTRATION FEES: See the brochure for cutoff date for "late" registration.

	<u>ABS Members</u>	<u>Non-Members</u>	<u>Student Members</u>	<u>Family & Guests</u>
Advance	\$35.00	\$45	\$15	\$15
Late	\$40.00	\$50	\$15	\$15
On-site	\$45.00	\$55	\$20	\$20

TOTAL AMOUNT: _____ Make checks payable to Eastern Washington University.

Mail forms to: University Conference Center
 Eastern Washington University
 LA Hall
 Cheney, WA 99004

Advance payment of housing is recommended.

FORAGING BEHAVIOR: 18-20 June 1984 at Brown University in Providence, RI. Sponsored by an informal group composed of the participants in the 1978 ABS Symposium (Kamil and Sargent, 1981). Program Comm. includes Alan C. Kamil, John R. Krebs and H. R. Pulliam. To submit a paper, send a 300-500 word abstract, or for further information write to: Alan C. Kamil, Middlesex House, Univ. of Massachusetts, Amherst, MA 01003. Deadline for submission is 1 Dec. 1983.

COOPER ORNITHOLOGICAL SOCIETY: 19-23 June 1984 at Humboldt State Univ., Arcata, CA. Contact: C. J. Ralph, Program Chair, Redwood Sciences Lab., USDA Forest Service, 1700 Bayview Dr., Arcata, CA 95521. Deadline for abstracts is 1 May 1984.

SOC. FOR THE STUDY OF EVOLUTION and AMER. SOC. OF NATURALISTS: 23-27 June 1984 in Crested Butte, Colorado.

AMERICAN SOCIETY OF MAMMALOGISTS: 24-28 June 1984 at Humboldt State Univ., Arcata, CA.

3rd INTERNATIONAL SYMPOSIUM ON AVIAN ENDOCRINOLOGY: 25-28 June 1984 at Rutgers Univ., New Brunswick, NJ. Plenary sessions include Annual cycles and photoperiodism; and Behavior. Contact: Colin G. Scanes, Dept. Animal Sciences, Cook College, Bartlett Hall, New Brunswick, NJ 08903.

AIBS and ECOLOGICAL SOCIETY OF AMERICA: 5-9 August 1984 in Fort Collins, Colorado.

XVII INTERNATIONAL CONGRESS OF ENTOMOLOGY: 20-26 August 1984, Hamburg. Contact: Thomas Tischler, Zoologisches Institut, Abt. Angewandte Okologie/Kustenforschung-Biol. der Universität Kiel, Olshausenstr 40/60, D2300 Kiel 1, Federal Republic of Germany.

AMERICAN PSYCHOLOGICAL ASSOCIATION: 24-28 August 1984 in Toronto. Proposals for contributed papers, contributed posters, symposia, discussion sessions, workshops, and suggestions for invited speakers in the areas of comparative and physiological psychology are welcome. Non-APA members may participate if sponsored by an APA member. Contact: James Kalat, Program Chair Division 6, Dept. Psychology, North Carolina State Univ., Raleigh, NC 27650 (ph. 919-737-2252).

AMERICAN ORNITHOLOGISTS' UNION: 5-10 August 1984, Univ. Kansas, Lawrence, KS. Contact: Gary Schnell and Douglas Mock, Program Co-Chair, Dept. Zoology, Univ. Oklahoma, Norman, OK 73019. Deadline for abstracts: 1 May 1984.

INTERNATIONAL SOC. FOR COMPARATIVE PSYCHOLOGY: 2-7 September 1984 in Acapulco, Mexico. Held in conjunction with the XXIII International Congress of Psychology. Symposia will include: Animal Cognition (H. Roitblatt and L. Krushinskii); Comparative Psychology in Zoos, Aquariums and Parks (G. Greenberg and D. Altmann); Behavior Genetics (J. Hirsch and S. Santibanez-Koref); Endangered Species and Natural Resources (E. Tobach); Invertebrate Behavior (G. Fiorito and E. Wyers); and a session on the history of comparative psychology (T. Cadwallader and C. Tolman). Contributed papers should be sent to Everett J. Wyers, SUNY at Stony Brook, New York 11974. Request registration forms from Everett J. Wyers.

AMER. ASSOC. ZOOKEEPERS: National Conference, 30 Sept.-4 Oct. 1984 at the Woodland Park & Zoological Gardens, 5500 Phinney Ave, North, Seattle, WA 98103.

ABS NEEDS MEMBERS: ENCOURAGE YOUR COLLEAGUES AND STUDENTS TO JOIN -- AND DON'T NEGLECT TO RENEW.

Request membership forms from H. Jane Brockmann, ABS Treasurer, Department of Zoology, Bartram Hall, University of Florida, Gainesville, FL 32611.

NEUROBIOLOGY AND BEHAVIOR AT CORNELL: The Section of Neurobiology and Behavior, consisting of 19 faculty with interests ranging from molecular neurobiology to social behavior, seeks two tenure-track faculty members, preferably at the rank of Assistant Professor. Appointment can begin September 1984. We will search broadly within neurobiology and behavior, with emphasis on candidates having research interests in one or more of the following areas: molecular biophysics, neurodevelopment, integrative functions of the CNS, neurogenetics, neuroethology and physiological bases of behavior. Applicants should have a doctorate and an outstanding record of achievement. They should send their CV, a statement of research and teaching interests, and selected reprints and have 3 letters of recommendation sent to Search Committee, Section of Neurobiology and Behavior, Cornell University, Seeley G. Mudd Hall, Ithaca, New York 14853. Screening will begin 15 January 1984 and continue until suitable candidates are found. Cornell is an Affirmative Action/Equal Opportunity Employer.

GRADUATE RESEARCH ASSISTANTSHIPS available for (1) one M.S. student and (2) one Ph.D. student for research on cooperative breeding and other aspects of the biology of the endangered Red-cockaded Woodpecker. Research will constitute part of a degree program in the Department of Zoology at North Carolina State University. Students will be required to spend long periods of time at research site in south-central North Carolina, approximately 70 miles from the University. Applicants must have at least B.S. degree in biology, wildlife biology or related field. Programs may be structured to provide training in behavior, ecology, or wildlife biology depending on student's interests. Send resume, transcripts, GRE scores, and 3 letters of recommendation to Dr. Jeffrey R. Walters, Dept. of Zoology, North Carolina State Univ., Raleigh, NC 27650. Deadline for applications is 9 March 1984, and awards will be made by 1 April 1984.

The American Ornithologists' Union RESEARCH AWARDS for 1984: The Josselyn Van Tyne and Alexander Wetmore Memorial Funds are available to students and to others without recourse to regular funding. The Van Tyne Awards are for research on any aspect of avian biology; Wetmore Awards are limited to research on taxonomy and systematics of birds and secondarily on neotropical birds. The total in each fund available for annual distribution is usually around \$2,500; multiple awards from each fund are granted annually. Application forms and guidelines for applications may be obtained from Dr. Patricia Adair Gowaty, Chair, AOU Research Awards Committee, Section of Neurobiology and Behavior, Seeley G. Mudd Hall, Cornell University, Ithaca, NY 14853. Applications must be postmarked by 29 February 1984.

AVIAN AND ODONATE BEHAVIORAL ECOLOGY -- FIELD ASSISTANTS NEEDED for projects involving the behavioral ecology of cooperatively-breeding Acorn Woodpeckers, colonial Yellow-billed Magpies, and lekking White-tail Skimmer Dragonflies at Hastings Reservation, Monterey County, CA. Positions available for March-July (1 position, woodpeckers); April-July (1 or 2 positions, woodpeckers and/or magpies); and mid June-early August (2 positions, dragonflies). Housing and small stipend provided. Contact Walt Koenig, Hastings Reservation, University of California, Star Route Box 80, Carmel Valley, CA 93924 (ph. 408-659-2664 or 659-2684).

AMER. ASSOC. OF ZOOKEEPERS offers grants for research conducted at zoos in which a keeper is the principal investigator. Grants of up to \$250. may be awarded for a one-year period. For guidelines and further information contact: Frank Kohn, Research Grants Committee Chair, Dept. of Zoological Research, National Zoological Park, Washington, D.C. 20008

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 Geo. H. Waring, Chair, ABS Public Affairs Committee,
Department of Zoology, Southern Illinois University, Carbondale, IL 62901.

CONTRIBUTED LABORATORY EXERCISES IN ANIMAL BEHAVIOR

Title: ORIENTATION AND MATING BEHAVIOR IN RESPONSE TO SEX
PHEROMONE.

Level: underclassmen, upperclassmen, and graduate students

Length: 2-3 hours

Subject(s): American cockroach, Periplaneta americana

Description: By using various concentrations of sex pheromone, observe and record the paths taken by male cockroaches to the deposit and the types and frequencies of mating behaviors. Varying pheromone concentration, see if the paths taken to the source are as direct and if there are thresholds for the different mating acts.

Requirements: large plastic shoebox with clear cover, vaseline, grease pencil, Periplanone-B, hexane, paper and pencil or tape recorder

Submitted by: Arthur G. Appel, Dept. of Entomology, University of California, Riverside, Riverside, CA 92521

To participate in the clearing house for Animal Behavior Lab Experiments, complete the form in the Nov. 1983 ABS Newsletter and return it to Wayne P. Aspey, Chairperson, ABS Film Committee, Dept. Zoology & General Biol. Sect., 112 Rightmire Hall, 1060 Carmack Rd., Columbus, OH 43210.

Invited Paper Session -- Human Reproductive Strategies:
Empirical Tests of Evolutionary Hypotheses.

Organized by Steven B. Christopher

Proposed papers:

- Cooperation and competition within twin sets. Nancy L. Segal, University of Minnesota.
- Beauty in the eyes of the beheld: the sociobiology of female facial attractiveness. Michael R. Cunningham, Elmhurst College.
- Experimental tests of sociobiological hypotheses of human mate selection. Gary K. Leak, Creighton University.
- Alliance and evolution: marriage among the Jats of northern India. Elwyn C. Lapoint, Eastern Washington University.
- A test of the Trivers-Willard hypothesis of parental ability to adaptively vary the sex ratio in a large human population. Steven B. Christopher, Eastern Washington University.
- Sex biased parental investment. Charles B. Crawford, Simon Fraser University.
- Human male strategies: neoteny, bachelor groups and serial polygyny. Joan S. Lockard, University of Washington.

U.S.E.C.C. ELECTION RESULTS

Lee C. Drickamer, Secretary of the U.S. Ethological Conference Committee, reports the results of the recent election of U.S.E.C.C. members to serve six year terms to begin immediately. The new members are:

H. Jane Brockmann
Gordon H. Burghardt
Sidney A. Gauthreaux, Jr.

Continuing members of the U.S.E.C.C. are:

Stuart A. Altmann
Donald A. Dewsbury
Lee C. Drickamer
Stephen T. Emlen
Devra G. Kleiman
D. Frank McKinney

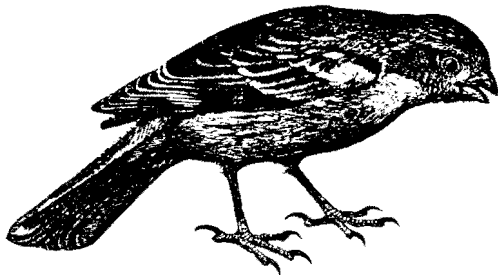
The next International Ethological Conference will be in August 1985 at Toulouse, France and the 1987 meeting is scheduled for Madison, Wisconsin.

Instructions for preparing abstract:

1. Abstracts will be photographed just as you submit them, so please follow the suggested format.
2. Abstracts should be typed in a space 3 inches high and 7 inches wide. Letters should not touch guide lines. Single space all typing, leaving no top or left margins.
3. Use an electric typewriter with a good ribbon; make neat corrections. Elite type (12 pitch) is preferred. Use black ink for symbols not on your typewriter.
4. Your abstract should be organized as follows:
 - a. Title-- use CAP's; check to see that the Transmittal Form and Abstract titles match; when using a Latin name, include the common name also; see example below.
 - b. Authors-- include department and institutional affiliation.
 - c. Specific objectives-- include a brief statement unless clear from the title.
 - d. Methods-- include a brief description, if pertinent.
 - e. Results-- provide a clear, specific summary.
 - f. Conclusions.
 - g. Acknowledgments or References-- if desired.
5. Send the ORIGINAL PLUS ONE COPY of Abstract along with Transmittal Form to the Program Officer.

Example of title lines (please follow this format):

ECOLOGICAL AND BEHAVIORAL DETERMINANTS OF APPARENT
MONOGAMY IN EASTERN BLUEBIRDS (*Sialia sialis*)
Patricia Adair Gowaty, Dept. of Zoology, Clemson
University



ABSTRACT TRANSMITTAL FORM -- ANNUAL MEETING OF THE ANIMAL BEHAVIOR SOCIETY
13-17 AUGUST 1984, EASTERN WASHINGTON UNIVERSITY, CHENEY, WASHINGTON

Return to: Lee C. Drickamer, Biology Department, Williams College,
Williamstown, MA 01267 (ph. 413-597-2223)

1. Title of paper: _____

2. Author(s):

First Name	Initial	Last Name	Institutional Affiliation
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3. Mailing address of presenting author:

Telephone numbers:

_____ Office: _____

_____ Home: _____

4. ABS membership of presenting author:

_____ Regular member of ABS _____ Student member of ABS

_____ Nonmember sponsored by _____

_____ Visiting foreign scientist engaged in animal behavior research

5. Category of paper to be presented (ABSTRACT REQUIRED FOR ALL CATEGORIES)

_____ 20 minute _____ Symposium _____ Poster paper

_____ 5 minute _____ Invited session _____ Allee Competition

6. Would you be willing to chair a session? _____ YES _____ NO

7. By submission of this Abstract to ABS, I declare that the research reported herein was conducted in compliance with the ABS Animal Care Guidelines and all laws applicable to my work.

8. Identify your paper according to animal group and principal subject by circling the appropriate categories. (To be used by Program Officer in scheduling papers).

Animal Group:

Humans	Carnivores	Fishes	Insects
Non-human primates	Rodents	Amphibia	Arachnids
Marine mammals	Other mammals	Reptiles	Molluscs
Ungulates	Birds	Crustaceans	Other invertebrates

Subject:

- Applied
- Behavioral ecology
- Biological rhythms
- Communication
- Development
- Genetics
- Learning
- Methodology
- Natural history
- Orientation-Navigation
- Physiology
- Predator-Prey
- Self-maintenance
- Social--
 - Agonistic
 - Altruism-kinship
 - Courtship-mating
 - Dominance
 - Mate choice
 - Intrasexual competition
 - Parent-offspring
 - Play
 - Territoriality

None of the above categories is appropriate. I would categorize my paper as dealing with _____

9. Visual aids. A projector for 2 x 2" slides will be provided. What special equipment would you like to use?

overhead projector _____
16 mm projector _____
other _____

THE AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES

Biology is now the most dynamic and exciting of all sciences. Concomitant with this fact are the crucial decisions that need to be made on biological topics, such as animal rights, mass extinction of animals and plants, human overpopulation, acid rain, genetic engineering, and the pesticide dilemma. These decisions must involve both biologists and politicians. Thus, we animal behaviorists and other biologists need a unified, rational voice to represent us on Capitol Hill. Because no single biological society is likely to be able to afford its own representation to the Federal Government, the American Institute of Biological Sciences (AIBS) serves this function for individual societies. I am happy to report below, how the AIBS has been reorganized and is now markedly more receptive to the needs of its individual members and individual societies.

We need the AIBS and it needs us -- mutualism. The AIBS needs our support through continued annual dues and other support from our society and our members individually becoming members of the Institute. Unfortunately, the AIBS presently has only about 6,000 individual members and 34 organizational members. (In contrast, the American Chemical Society has 130,000 members, chemists and engineers, and several corporation associates. Active lobbying for chemists is done on Capitol Hill by the Chemical Manufacturers Association.)

Dr. Charles M. Chambers is the new executive director and Dr. Peter H. Raven (of the Missouri Botanical Garden) is the president of the AIBS for the Orwellian year of 1984. The Institute's constitution and bylaws have been improved by rewriting and the new versions were accepted at the 17-18 November 1983 Board of Directors meeting which is attended by society representatives including me. I was pleased to feel a renewed warmth, resurgence of competent leadership, and improved focus of the AIBS activities at this meeting. This is, one hopes, an indication of even better things to come. A significant amount of this improvement can be attributed to the untiring efforts of past president Kendrick C. Smith (Stanford University Medical School).

According to the new constitution of the AIBS, Article II., Purposes: "The purposes of the Institute shall be the advancement of the biological sciences and their applications to human welfare, and to foster and encourage research and education in the biological sciences, including the medical, environmental, and agricultural sciences...."

The principal long-range goals of the AIBS are:

1. To represent the entire field of biology at the national level.
2. To communicate issues and matters of biological concern -- first to its members -- secondarily to the entire community of biologists -- and, finally, to the general public.
3. To organize meetings to serve its Member Societies and its Individual Members and the interests of biologists in general.
4. To provide scientific information on legislation of concern to biologists, and when appropriate, to attempt to affect the course of such legislation; to monitor federal appropriations for the biological sciences and related fields, in order to contribute effectively to the maintenance of national strength in all aspects of biological teaching and research.
5. To provide active leadership in biological education.
6. To increase the effectiveness and efficiency of membership services.
7. To involve the members of the AIBS more extensively in the governance of the Institute.

Report submitted by Edward M. Barrows, the ABS Representative to the AIBS.

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(Year term expires in parentheses)

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Are you interested in serving on a Committee of the Animal Behavior Society? If so, write a letter specifying your Committee interests to Devra G. Kleiman, ABS President, Dept. Zoological Research, National Zoological Park, Washington, D.C. 20008. Your letter will be kept on file so that you can be considered when there is a position to be filled on the Committee you wish to join. Of course, your suggestions on Committee matters are always welcomed by the Committee Chairpersons and you may correspond directly with them as well.

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ANIMAL BEHAVIOR SOCIETY DIRECTION OF CORRESPONDENCE

** Dues, All Changes of Address, Membership Application, Membership Lists:

H. Jane Brockmann, Treasurer
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Univ. of Florida, Gainesville, FL 32611.

** ANIMAL BEHAVIOUR: Manuscripts, Reviews, Editorial Policy: Patrick Colgan, Editor

Dept. of Biology, Queens Univ.
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1984 ROSTER OF ABS OFFICERS AND COMMITTEE CHAIRPERSONS
(*New Officers' terms begin 18 August 1984)

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DEADLINES FOR NEWSLETTERS:

Animal Behavior Society: 1 April 1984 for May 1984
ABS NEWSLETTER.

ASZ Division of Animal Behavior: 1 April 1984 for Spring
(May) DAB Newsletter.

Send materials to: Anna E. Ross (Editor of the DAB-ASZ and ABS NEWSLETTERS), Department of Zoology, Clemson University, Clemson, SC 29631 (phone: 803-656-2328).

MEETINGS -- CALLS FOR PAPERS -- continued

WILDLIFE 2000: Modeling Habitat Relationships of Terrestrial Vertebrates. 7-11 Oct. 1984 at Fallen Leaf Lodge, Stanford Univ.'s Sierra Camp near Lake Tahoe. Symposium on the development, testing, and application of models that predict responses of wildlife to habitat changes. Obtain registration materials, etc. from: Jared Verner, Program Chair, Forestry Sciences Laboratory, 2081 East Sierra Ave., Fresno, CA 93710 (ph. 209-487-5588).

SYMPOSIUM ON BIOGEOGRAPHY OF CENTRAL AMERICA: 29-31 October 1984 in Merida, Yucatan, Mexico. Sessions on plants, animals, and human geography as well as diseases, vectors, and cultivars. Contact: Luis Diego Gomez, Museo Nacional, Apartado 749, San Jose, Costa Rica.

NAT'L. ASSOC. BIOLOGY TEACHERS: 8-11 November 1984 at Purdue University, West Lafayette, Indiana. The animal behavior committee is looking for university animal behaviorists to present their research. Contact: Laine Gurley, 2731 N. Arlington Heights Rd., Arlington Heights, IL 60004.

INTERNATIONAL THERIOLOGICAL CONF.: 13-20 August 1985 at the University of Alberta. Symposia to include paleomammalogy, ecology, ethology (2 symposia planned--mammalian sociality and social behavior among canids), etc. Contact: The Secretariat, IV ITC, Box 632 Sub 11, Univ. Alberta, Edmonton, Canada T6G 2E0.

1986 (XIXth) INTERNATIONAL ORNITHOLOGICAL CONGRESS: 22-29 June 1986 in Ottawa. Suggestions for the scientific program may be sent to J. Bruce Falls, Chair Scientific Program Comm., Dept. Zoology, Univ. of Toronto, Toronto, Ontario, Canada M5S 1A1. Suggestions for symposia may include details of subject matter, possible leaders and participants. For further information, contact: The Secretary-General, Dr. Henri Ouellet, XIX Congressus Internationalis Ornithologicus, National Museum of Natural Sciences, National Museums of Canada, Ottawa, Ontario, Canada K1A 0M8.

PUBLICATIONS AVAILABLE

SOFTWARE: BIOSIS introduces a new microcomputer software package for BIOSIS Information Transfer System (tm) users. For free brochures about BioSuperfile (tm) and B-I-T-S (tm), contact BIOSIS User Services, 2100 Arch Street, Philadelphia, PA 19103 (ph. 215-587-4800; toll free USA outside PA 800-523-4806)

SCIENCE SOFTWARE QUARTERLY: Devoted to computer software for natural science applications. SSQ is seeking reviewers of software and documentation, contributors of articles and ideas, and software designed for use in any natural science field. For subscriptions or further information: Dr. Diana J. Gabaldon, Center for Environmental Studies, Arizona State University, Tempe, AZ 85287 (ph. 602-965-3051).

Contribution for the study of the behavior of Coryphoblennius galerita (L.) (Pisces:Blenniidae)-- Ricardo S. Santos, Univ. Acores, Dept. Oceanografia e Pescas, 9900 Horta, Ilha do Faial, Acores, Portugal. (Engl. Summary)

ABS members may request a copy of the ABS Constitution and Bylaws and/or current ABS Policy from the Secretary.

ANIMAL CARE GUIDELINES: "Guidelines for the Use of Animals in Research," ANIMAL BEHAVIOUR (1981, Vol. 29: 1-2). Reprints available from: Sidney A. Gauthreaux, Jr., ABS Secretary, Dept. of Zoology, Clemson Univ., Clemson, SC 29631 (send a self-addressed envelope).

CALLS FOR MANUSCRIPTS

NEW JOURNAL: Beginning January 1984, the two Elsevier journals Behavioural Processes and Behaviour Analysis Letters will publish jointly. The title of the new journal will be Behavioural Processes, incorporating Behaviour Analysis Letters. The editors of BP and BAL, Georges Thines and John Staddon, will remain as editors of the combined journal. BP/BAL will publish experimental and theoretical papers in animal behavior, comparative psychology, and operant and classical conditioning. Papers suitable for either journal before the merger will continue to be acceptable. The editors hope to strengthen ties between American and European researchers and encourage an eclectic approach to the understanding of behavior.

NEWSLETTER ANNOUNCEMENTS WELCOME: Items of interest to ABS members -- news of positions, meetings, publications, people, etc. Send to Anna E. Ross, ABS NEWSLETTER, Dept. of Zoology, Clemson University, Clemson, SC 29631.

OTHER SOCIETIES

AMER. ASSOC. OF ZOOKEEPERS: Animal Keeper's Forum is the monthly publication of AAZK. Those interested in joining should contact AAZK National Headquarters, Topeka Zoological Park, 635 Gage Blvd., Topeka, KS 66606.

ASZ: Persons who are interested in joining the American Society of Zoologists please contact the Business Office (Box 2739, California Lutheran College, Thousand Oaks, CA 91360, 805-492-3585) for an application form. Annual dues of \$35 for members and \$20 for student members pay for a subscription to the American Zoologist and are also used to support various activities of the Society.

GRANTS, FELLOWSHIPS AND POSITIONS AVAILABLE -- continued

PRE-DOCTORAL FELLOWSHIPS: The Primate Foundation of Arizona, in association with Ariz. State Univ., has predoctoral fellowships for the study of chimpanzee behavior. Two annual fellowships are offered for 12 months; the award amount is \$6,000. Deadlines for applications: 30 April 1984 (to begin 1 Aug.) and 30 Sept. 1984 (to begin 1 Jan. 1985). Contact: Jo Fritz, Primate Foundation of America, P.O. Box 86, Tempe, AZ 85281.

SUMMER PROGRAMS

FIELD WORK IN ANIMAL BEHAVIOR: The School of Psychology, Georgia Institute of Technology announces the 6th annual Field Work in Animal Behavior summer program. The 1984 course will consist of 4 weeks of travel and study within the national parks and wildlife reserves of Kenya, East Africa. Only 15 students will be admitted for the course, commencing in July. Contact: Dr. Terry L. Maple, School of Psychology, Georgia Institute of Technology, Atlanta, GA 30332.

SUMMER FIELD COURSES at biological field stations are summarized in a poster prepared by the Organization of Biological Field Stations. For a copy, write Richard W. Coles, Secretary, OBFS, P.O. Box 351, Eureka, MO 63025.

AWARDS

The 1983 Balzan Prize for Zoology has been awarded to Professor Ernst Mayr, with the following citation: "Ernst Mayr has made fundamental contributions to the study of evolution, by his researches in the field of zoology. His critical analysis of the species concept, and of the processes of natural selection and formation of species, and his penetrating study of the impact of the Darwinian revolution on modern thought have made him one of the foremost contemporary investigators of biological evolution." See the 20 January 1984 issue of Science for a delightful commentary on the contributions of Ernst Mayr. (Gould, Stephen Jay. 1984. Balzan prize to Ernst Mayr. Science 223: 255-257.)

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My student membership application is endorsed by: (Dept. Head, ABS Member, ABS Fellow)
(name) _____ (signature) _____

This application form should be sent with remittance (make checks payable to ANIMAL BEHAVIOR SOCIETY) to:

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