



NEWSLETTER

Animal Behavior Society

Vol. 30, No. 4
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A quarterly publication

Terry Christenson, ABS Secretary
Jay Hansche, Associate Editor, ABS Newsletter
Department of Psychology, Tulane University, New Orleans, LA 70118

RESULTS OF 1985 ELECTION OF OFFICERS

A total of 285 members voted, about 11.3 % of the membership; this compares to 17.2% in 1984 and 13.6% in 1983. The following officers were elected; they will take office 14 June 1986. The first two will serve concurrently as officers in the Division of Animal Behavior, American Society of Zoologists.

Second President-Elect: John Fentress

Program Officer: Susan Riechert

Parliamentarian: Edward Burt, Jr.

Member-At -Large: Janet Randall

ABS MEMBERSHIP RENEWALS

You have recently received your 1986 dues statement. Late renewals of membership cause a great deal of extra work for several people and they lead to shortages of copies of Animal Behaviour because printings are geared to paid memberships. So please renew immediately. A \$5 LATE FEE will be assessed for those who renew after 1 Dec.

1986 TRANSMITTAL FORMS

Program information for the ABS annual meeting at the University of Arizona, Tucson is included in this issue. Transmittal forms for paper presentations on are pages 7-9.

1985 ANNUAL ASZ MEETING--BALTIMORE

American Microscopical Society, Animal Behavior Society, International Association of Astacology, Crustacean Society, Society of Systematic Zoology, and the American Society of Zoologists will meet 27-30 Dec 1985 at the Baltimore Convention Center.

Symposium: "Behavior as a Factor in the Population Biology of Cricetid and Muriod Rodents" organized by Lee Drickamer with: F. Bronson, D. Dewsbury, D. Davis, L. Getz, G. Haigh, J. Hill, D. Madison & W. McShea, R. Tamarin, C.R. Terman, J. Vandenbergh, and S. Vessey.

Symposium- The "Science as a Way of Knowing" topic this year is Genetics with: G. Mendel on Experiments in a Monastery Garden, J. Watson, M. Strickberger, B. Alberts, H.

Carson, M. Clegg, B. Childs, L. Cavalli-Sforza, W. Provine, D. Suzuki, and F. Ayala.

Other Symposia of Interest: Processing of Environmental Information in Vertebrates; Nerve/Muscle Interaction: Fiber Typing as Bioassay; Pattern Formation and Recognition in Complex Biological Systems; Speciation Patterns in the Southern Appalachian and Ozark Regions of Eastern North America; Developmental and Evolutionary Aspects of the Neural Crest; Biological Experiments in the Microgravity of Space; and Functional Morphology of Feeding and Grooming in Selected Crustacea.

Past Presidential Address "The Physiology of Seasonality in Birds" will be given by Donald Farner. Workshop on Computer-Assisted Analysis of ¹⁴C-2-Deoxy-D-Glucose Autoradiographs.

For information concerning the meetings, contact Mary Adams-Wiley, ASZ, Box 2739 California Lutheran College, Thousand Oaks CA 91360.

FOUNDERS AWARD

The first Founders Award competition for best poster presentation will be held at the ABS 1986 annual convention in Tucson. The 1986 competition will be held in memory of Edwin Banks. Judging will be done in a manner similar to that of the Allee competition. If there are at least 10 entrants, there may be one honorable mention. If there are 20 entrants, two honorable mentions are possible. Further information can be found on page 6.

ANIMAL WELFARE LEGISLATION

Animal welfare legislation is presently being considered in the House and Senate. The bills address the issue of proper and humane treatment of animals, particularly while used in laboratory experiments. S.1233 and HR 2653 are proposed as amendments to the Animal Welfare Act. These bills call not only for humane treatment but encourage researchers to consider research techniques which do not require the use of animals or to use less painful methods when animals must be involved. Animal welfare provisions are also in the NIH reauthorization bill which has passed both the House and Senate. A comparison of animal welfare legislation and Public Health Service guidelines is presented on the next page.

Submitted by G.H. Waring, Chair, Public Affairs Committee

ANIMAL WELFARE: C

OMPARISON OF LEGISLATION AND PHS GUIDELINES

(Adopted from AIBS Public Responsibilities Network news update of 1 Aug 1985)

I. S.1233 (Dole bill) and HR 2653 (Congressman Brown) amendments to the Animal Welfare Act

Institutional Animal Committee

Three members- one member must have no affiliation with institution or immediate family and represent society's concerns

Conducts semiannual inspections

Inspects on care within facilities and study areas (particularly that pain and distress are minimized)

Inspection report filed with institution; kept three years

Deficiencies

IAC informs administrator of research facility

IAC notifies APHIS if deficiencies persist

Training

The research facility shall provide for annual training for scientists, etc., including: humane practice, research and testing methods that minimize or eliminate pain and distress, and the resources of the National Agricultural Library

Whistle Blowing- provision included

Trade Secrets

Extensive provision on trade secrets and confidential information, including fines and imprisonment

II. PHS Guidelines

Institutional Animal Care and Use Committee

Five members- one member must have no affiliation with institution or immediate family

Conducts annual inspections

Makes recommendations on care, facilities and training

Report filed with institution; kept three years (or an additional 3 years after completion of activity)

Deficiencies

IACUC can make recommendations to institution regarding training

Those engaged in animal research must be qualified and properly trained

Whistle blowing- not included

Trade Secrets- not mentioned

III. S. 1309 Health Research Extension Act (NIH Reauthorization)

Animal Care Committee

Three members- one member must have no association with the institution

Conducts semiannual inspections

Inspects for animal care and treatment

Report filed with Director of NIH certifying inspection conducted and any violations or assurances required

Deficiencies

ACC informs Director of NIH of violations

Training

Instruction or training must be available in humane practice and animal maintenance and methods that limit use of animals or their distress

Whistle Blowing- not included

Trade Secrets

No research entity may be requested to disclose trade secrets or confidential information

NEW FISH AND WILDLIFE SERVICE POLICY

On 21 May 1985, the Fish and Wildlife Service issued a new policy on the export or re-export of donated wildlife. AAZPA member institutions receive more than 75,000 animals per year, including the sick, injured and abandoned. This policy will allow FWS to issue Endangered Species Act permits and/or CITES documentation for export or re-export of unsolicited, donated wildlife of unknown or uncertain origin. "Absent evidence to the contrary, donated animals apparently born in this country and held with Law Enforcement approval by public institutions should be assumed to have been legally possessed throughout the chain of ownership; such animals which appear to have been imported should be assumed to have been imported legally. In addition, permits should be issued when the proposed transfers are in the best interest of the animals and their species."

Proposed transfers will be handled on a case-by-case basis. They should be made by donation, with no money or barter changing hands except as necessary to cover shipping costs or other expenses. All transfers will be closely monitored for evidence of laundering.

ANIMAL BEHAVIOR SOCIETY DIRECTION OF CORRESPONDENCE

ANIMAL BEHAVIOUR--Manuscripts and editorial matters:
Charles Snowdon, Dept of Psychology,
Univ of Wisconsin, Madison WI 53706

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

ABS NEWSLETTER & correspondence to the Society- deadline for February Newsletter is 1 January:
Terry Christenson, Dept of Psychology
Tulane University, New Orleans LA 70118

ASZ DIVISIONAL NEWSLETTER- deadline for Spring issue is 1 April: Terry Christenson, Secretary

The Secretary thanks Alison Hartman and Frances Balding, Dept of Psychology, Tulane Univ, for their help with the Newsletter.

OPPORTUNITIES

BEHAVIORAL BIOLOGIST

The Dept of Zoology, Univ of Maryland, is seeking outstanding candidates for a tenure-track position in animal behavior. Preference will be for candidates having a demonstrated interest in the evolution of behavior. Rank open. Application deadline: 15 January 1986. Send curriculum vitae, research plans, reprints, and three letters of recommendation to: Behavioral Biologist Search Committee, Dept of Zoology, Univ of Maryland, College Park, Maryland 20742

BEHAVIORAL BIOLOGY

The Department of Zoology has a tenure-track position in behavior available beginning September 1986. While persons in any behavioral specialty will be considered, the department is particularly interested in the following behavioral areas: development, ecology, genetics and neurobiology. Applicants for this position should submit a brief summary of their research, along with their curriculum vitae, and have four letters of reference sent to: Behavior Search Committee, Department of Zoology, Michigan State University, East Lansing, MI 48824.

EXECUTIVE DIRECTOR

Chief executive officer to supervise all phases of institutional operations for wildlife conservation organization including grants, development, public education and administration. Background in wildlife conservation and/or fund raising preferred. Salary commensurate with experience. Send resume by 31 Nov 1985 to: Search Committee, Wildlife Preservation Trust International, 34th Street & Girard Avenue, Philadelphia, Pennsylvania 19104.

FIELD RESEARCH SITE AVAILABLE FOR PRIMATEOLOGISTS- HOWLERS, CAPUCHINS AND NIGHT MONKEYS- REPUBLIC OF PANAMA

The Gorgas Memorial Laboratories in Panama are custodians to a large island and research buildings in eastern Panama. Researchers there are looking for primatologists who will conduct basic studies of the behavior and ecology of the species found on their island. For further information on this research opportunity in field primatology please write to: Dr. Dennis R. Rasmussen, Animal Behavior Research Institute, 900 Arnold Street, Davis, California, 95616 USA

FIELD RESEARCH ASSISTANT

for a long-term study of maternal behavior and infant social development among free-ranging rhesus monkeys on Cayo Santiago, Puerto Rico. Some background in animal behavior and experience in observational methods is required. Position is from about March 1 to mid-December 1986. Small salary plus room and board allowance and some travel. Send letter of interest, transcript and 2-3 letters of recommendation to C.M. Berman, Department of Anthropology, SUNY at Buffalo, Buffalo, New York 14261.

FIELD RESEARCH ON PANAMANIAN TAMARINS AND ACCREDITED COURSES IN PRIMATE SOCIAL BEHAVIOR

Research this winter and summer on the social and sexual behavior of Panamanian tamarins as well as on aspects of their ecology important for conservation. Field site is located on Gatun Lake near the Atlantic entrance to the Panama Canal. During this research I will also teach courses in Primate Social Behavior to the students who assist me. Undergraduates who wish to learn field methods for the study of animal behavior and primatology will find the course valuable. Some scholarships are available. The winter course begins 27 Dec 1985 and ends 17 Jan 1986. The summer courses are four weeks in length; their dates will be available in early spring. Contact: Dr. Dennis R. Rasmussen, Animal Behavior Research Institute, 900 Arnold Street, Davis, California 95616 USA.

FIELD RESEARCH ASSISTANTS

Breeding biology of polyandrous birds. Opportunity to learn behavioral and field endocrinological techniques. Three field sites, two in northern Minnesota, one in Saskatchewan. Living conditions vary from camping to normal home dwelling. Contact: Dr. Lewis W. Oring or Dr. Albert J. Fivizzani, Department of Biology, University of North Dakota, Grand Forks, North Dakota, 58202.

FIELD RESEARCH IN KENYA- ELSAMERE

CONSERVATION CENTRE: Comfortable accommodations are available for individual scientists or for small groups (up to 15) wishing to conduct field work or hold seminars. Elsamere provides close access to the rich birdlife on Lake Naivasha and the birds and large mammals of Hell's Gate National Park, particularly hartebeest, eland, Thomson's gazelle, Grant's gazelle, impala, baboon, and zebra. A troop of colobus monkeys are in residence. Current rates include full board at about \$16 per day per person. Contact: the Warden, Elsamere Conservation Centre, P.O. Box 4, Naivasha, Kenya East Africa; or call Lynette or Ben Hart, 916- 756-5345.

FIELD ASSISTANTS

are needed for a study of behavior and lifetime reproductive success in dragonflies at Hastings Reservation in central coastal California, early May through early August 1986. Responsibilities will include marking, censusing, and behavioral observations. Housing plus a small stipend provided. Contact Walt Koenig, Hastings Reservation, Star Route Box 80, Carmel Valley, CA 93924.

GRADUATE POSITION(S)

leading to Ph.D. An outstanding opportunity to take advantage of modern steroid analysis in conjunction with avian social systems research. Laboratory and field experience desirable, but applicants need not have had any previous training in hormone analysis. Applications, information on current research, and graduate program literature available from: Dr. Lewis W. Oring or Dr. Albert J. Fivizzani, Department of Biology, University of North Dakota, Grand Forks, North Dakota, 58202.

CARR POSTDOCTORAL FELLOWSHIP IN ZOOLOGY

The University of Florida announces its 1986 Archie F. Carr, Jr., Postdoctoral Fellowship, to commence July 1986 (\$18,000 for 12 months, renewable for a second year). The recipient will establish a research project in comparative, ecological, or evolutionary zoology and will interact broadly with faculty and graduate students. The Department will provide information about its faculty upon request. Applicants should submit reprints of representative publications, a curriculum vitae, dissertation abstract, proposal of intended research (4 pages maximum, indicating why the University of Florida is appropriate for the research), and three letters of recommendation to: Dr. Pauline Lawrence, Chairperson, Search Committee, Department of Zoology, University of Florida Gainesville, Florida 32611. Application deadline is 31 January 1986.

BEHAVIORAL ECOLOGY

Ph.D. candidate- Graduate Student Assistantship opening for field work on mammalian behavior in the Adirondacks, New York. Starting April 1, 1986. Contact: Dr. D. Muller-Schwarze, S.U.N.Y. College of Environmental Science and Forestry, Syracuse, NY 13210.

PRE-DOCTORAL FELLOWSHIPS IN BIOLOGY AT GEORGETOWN UNIVERSITY

Pre-doctoral fellowships (1985-86) are available to qualified students who wish to pursue doctoral studies. Areas of active research in the Department include animal fertilization, behavior, biochemistry, cell physiology, developmental biology, ecology, entomology, enzymology, evolution, human genetics, immunology, invertebrate physiology, membrane biology, microbiology, molecular genetics, plant-animal mutualism, neurochemistry, and neurophysiology. Applications should be submitted no later than 1 February. For further information contact: Professor Edward M. Barrows, Department of Biology, Georgetown University, Washington, D.C. 20057.

AWARDS

AAAS- PHILIP HAUGE ABELSON PRIZE-- Prize of \$2500 to be awarded annually to: a public servant, in recognition of sustained exceptional contributions to advancing science, or a scientist whose career has been distinguished both for scientific achievement and for other notable services to the scientific community. Contact AAAS Executive Office before a nomination deadline of 31 Dec 1985 at 1333 H. Street, N.W., Washington, D.C. 20005.

AAAS SCIENTIFIC FREEDOM AND RESPONSIBILITY AWARD- Intends to encourage scientists and engineers to reflect upon the social implications of their professional actions, and represents the Association's mandate to foster scientific freedom and responsibility. Nominations are being received until the end of November 1985; send to AAAS 1333 H Street, NW, Washington, DC 20005

MEETINGS

SIXTH BIENNIAL CONFERENCE ON THE BIOLOGY OF MARINE MAMMALS 22-26 November 1985, Vancouver, British Columbia, Canada. Sponsored by the Society for Marine Mammalogy, it will address issues concerning cetaceans, pinnipeds and other marine mammals. For information, contact Sharon Proctor, Program Chairman, Vancouver Aquarium, P.O. Box 3232, Vancouver, British Columbia, Canada, V6B 3X8.

BEHAVIORAL PROBLEMS IN DOGS AND CATS- 5 Dec 1985 Presented by Bonnie Beaver, D.V.M., M.S. at Elks Lodge, 8421 Arlington Boulevard, Fairfax, Virginia. Contact N. Fern Bearchamp, D.V.M., 416 Maple Avenue, West Vienna, VA 22180

1985 ASZ MEETINGS- 27-30 Dec, Baltimore Convention Center. For information contact Mary Adams-Wiley, ASZ, Box 2739, California Lutheran College, Thousand Oaks CA 91360.

1986 EUROPEAN SOCIOBIOLOGICAL SOCIETY MEETING- 18-19 Jan., Gottingen, West Germany: The main theme will be "The Sociobiology of Reproductive & Sexual Strategies". Contact Jan Wind, Institute of Human Genetics, Free University, P.O. Box 7161, 1007 MC Amsterdam, The Netherlands.

CLINICAL ANIMAL BEHAVIOR- 24-25 Jan, Univ of Saskatchewan. Presented by Victoria Voith. Contact Dr. R.S. Butler, Univ of Saskatchewan, Saskatoon, Canada S7N 0W10.

1986 SOUTHWESTERN COMPARATIVE PSYCHOLOGY ASSOCIATION ANNUAL CONVENTION - 17-19 April, Fort Worth, Texas. Held in conjunction with the Southwestern Psychological Association.

1986 ABS MEETING- 8-13 June at the Univ of Arizona. Host is Astrid Kodric-Brown, Dept Ecol & Evol Biol, Univ of Arizona, Tucson AZ 85721.

1986 INTERNATIONAL ORNITHOLOGICAL CONGRESS- 22-29 June, Ottawa. Contact Henri Ouellet, National Museum of Natural Sciences, National Museums of Canada, Ottawa, Ontario, Canada K1A 0M8.

1986 XI CONGRESS OF THE INTERNATIONAL PRIMATOLOGICAL SOCIETY 20-25 July, Gottingen, FR Germany. Contact Dr. Hans-Jurg Kuhn, IPS Congress Office, c/o Deutsches Primatenzentrum (DPZ), Kellnerweg 4, D-3400 Gottingen, FR Germany.

5TH INTERNATIONAL CONFERENCE ON HUMAN ETHOLOGY 27-31 July, Tutzing, West Germany. Follows the meeting noted above. Contact: Forschungsstelle fur Humanethologie, Max-Planck-Institut fur Verhaltensphysiologie, D-8181 Seewiesen, West Germany.

1986 INTERNATIONAL SOCIETY FOR COMPARATIVE PSYCHOLOGY- 6-14 Sept, University of Costa Rica, Abelardo Brenes will host. Program is to include: Costa Rican natural history and culture, field trips, workshops, symposia, and paper sessions. For further information contact Ethel Tobach, ISCP President, American Museum of Natural History, Central Park West at 79th St, New York, NY 10024.

1986 ASZ MEETINGS- 27-30 Dec, Nashville. If you wish to organize a symposium, contact Lee Drickamer, Dept Biol, Williams College, Williamstown MA 01267.

1987 ABS MEETINGS- 21-26 June, Williams College, Williamstown MA.

1987 XXTH INTERNATIONAL ETHOLOGICAL CONFERENCE 7-16 August, Madison WI.

1987 ASZ MEETINGS- 27-30 Dec, New Orleans.

SYMPOSIUM PROPOSALS WANTED

If you are interested in organizing a symposium or invited paper session for the 1986 ABS meetings to be held at the University of Arizona in June, contact Lee Drickamer at the Dept of Biology, Williams College, Williamstown MA 01267. If you are interested in organizing a symposium for the 1986 Nashville ASZ meetings, contact Mary Adams-Wiley at the ASZ, PO Box 2739, California Lutheran College, Thousand Oaks CA 91360.

ANNOUNCEMENTS

JOINT ABS/ASZ COMMITTEE

The Presidents of the Animal Behavior Society and the American Society of Zoologists have each appointed two representatives to serve on a joint committee to look into the relationship between the two societies. The ABS members appointed: Sidney Gauthreaux, Jr. (Dept of Zoology, Clemson University, Clemson SC 29631) and Zuleyma Halpin (Dept of Biology, University of Missouri, St. Louis MO 63121). This committee's activities will be discussed during the Business Meeting of the Division of Animal Behavior, 3:50 pm on Friday, December 27 at the Baltimore ASZ meetings and later at the ABS Tucson meetings. If you wish to comment on the relationship between ABS and ASZ, contact your ABS representatives.

TRAVEL GRANT FOR ISHE MEETING PARTICIPANTS

Travel funds for the 1986 meeting of the International Society for Human Ethology have been requested from NSF. The request is for \$800-\$900 each for up to 20 participants. Criteria for selection, should the funds be awarded, will include research accomplishments, acceptance and quality of paper to be presented, and a balance of young and more experienced researchers. Contact: Editor of the Human Ethology Newsletter, Robert M. Adams, Dept. of Psychology, Eastern Kentucky University, Richmond, Kentucky 40475, as soon as possible indicating your intent to apply for the travel support.

ANIMAL MISBEHAVIOUR

Those interested in contributing to another edition of Animal Misbehaviour contact Steve Rebach, Dept of Biology, Univ of Maryland-Eastern Shore, Princess Anne MD 21853.

HANDBOOK OF ANIMAL BEHAVIOR TERMINOLOGY

I am compiling a "handbook" of terminology related to animal behavior, the compilation being on computer disk and now about 320 typed, single-spaced pages. With luck, it might be published as early as 1986. In view of the increasing number of behavioral terms, my goal is to include at least the main ones. Principal meanings of a term (with literature references) and its derivation (when possible) will be included. I hope that the book will be useful to animal behavior teachers, researchers, students, journalists, and others.

Science is a social phenomenon, and I certainly could use constructive input from any members of the Society. If you have coined a behavioral term(s), have a favorite term, or both, and would like me to put it in the handbook, would you please inform me. I'll send you my present entry for the term and an information kit to solicit more input from you. Thank you for considering my request. My thanks to persons who answered my ad last year. Edward M. Barrows, Dept of Biology, Georgetown University, Washington, D.C. 20057.

ABS GRADUATE PROGRAMS IN ANIMAL BEHAVIOR

The Graduate Programs publication has been prepared by the Education Committee, under the direction of ex-chairman Robert Matthews. A copy has been sent to each member of the Society. Nonmembers may order the publication from the chair of the Education Committee, Daniel Estep, Dept of Psychology, Univ of Georgia, Athens GA 30602 for \$8.

COMPARATIVE PSYCHOLOGY NEWSLETTER

For those unaware, the Comparative Psychology Newsletter makes interesting reading. Subscription is only \$3. Contact Jack Demarest, Editor CP Newsletter, Dept of Psychology, Monmouth College, West Long Branch NJ 07764.

HUMAN ETHOLOGY SOCIETY

Membership in the International Society for Human Ethology is available for \$10 U.S. (\$5 for students). Contact Robert Adams, Dept of Psychology, Eastern Kentucky University, Richmond KY 40475.

AIBS DISTINGUISHED SERVICE AWARD

Oceanographer Sayed Z. El-Sayed has been named the recipient of the 1985 AIBS Distinguished Service Award. El-Sayed, Professor of Oceanography at the Texas A&M University, is being recognized for his years of service to marine life sciences, national leadership in program development, and contributions to international oceanographic research.

CONTRIBUTIONS TO NEWSLETTER WELCOME

The Secretary would be pleased to receive materials to be included in the next Newsletter. Send them on by 1 Jan 1986 to Terry Christenson, Dept of Psychology, Tulane University, New Orleans LA 70118.

8 - 13 JUNE 1986, UNIVERSITY OF ARIZONA, TUCSON, ARIZONA

CALL FOR PAPERS: A Transmittal Form and Abstract Preparation Form for contributed papers are included in this Newsletter. There are three types of contributed papers: 20 min (15 min for presentation and 5 min for discussion), 5 min papers and poster papers. ABS members may present or sponsor only one contributed paper at an Annual Meeting. When a member co-authors with a nonmember who is presenting the member is sponsoring the 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. It is expected that the research reported at an Annual Meeting complies with all applicable laws concerning animal care and welfare. Transmittal and Abstract Forms as well as inquiries concerning the program should be directed to the ABS Program Officer, Lee C. Drickamer, Biology Department, Williams College, Williamstown, MA

DEADLINE FOR RECEIPT OF ABSTRACTS --- 1 FEBRUARY 1986 - FIRM

ONLY SUBMISSIONS ON THE PROPER FORM WILL BE ACCEPTED

POSTER PAPERS are highly recommended. Poster papers can facilitate more discussion, perusal of data and one-to-one exchanges of ideas. We will continue the evening format for the poster paper sessions in Tucson. Beginning with the 1986 meeting the ABS will sponsor a competition for the FOUNDERS AWARD FOR POSTER PAPERS. If you are planning a poster paper submission and wish to be considered for the award please check the appropriate box on the transmittal form. ALL members of ABS presenting poster papers are eligible for the award. The 1986 award will be in honor of our late colleague E.M. Banks of the University of Illinois. Details of the competition and some suggestions for what makes a good poster paper will be mailed to those in the competition.

FILMS: The ABS has two annual film awards. The Jack Ward Film Award is a cash award for the best film presented by a non-commercial film maker at an Annual Meeting. The ABS Film Award is a non-cash award for the best film presented by a commercial film maker at an Annual Meeting. We are looking for new and original films for each Annual Meeting. Please contact the Film Committee Chairperson regarding the submission of films: Dr. Patricia DeCoursey, Biology Department, University of South Carolina, Columbia, SC 29208 or telephone (803) 777-3934.

ALLEE AWARD: The W.C. Allee Award will be presented for the outstanding student paper at the 1986 Annual Meeting. Any independent student research that 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 1 February 1986), and four copies of a written version of the paper to Dr. Sidney Gauthreaux, Dept. of Zoology, Clemson University, Clemson, SC 29631. 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 WRITTEN TEXT IS 1 MARCH 1986.

INVITED PAPER SESSIONS: The deadline for submission of proposals for both invited paper sessions and symposia is 1 November 1985. Contact the Program Officer for additional information.

REGISTRATION AND HOUSING: Information will appear in the February 1986 Newsletter. For further information please contact the local host, Dr. Astrid Kodric-Brown, Dept. of Ecology and Evolutionary Biology, Univ. of Arizona, Tucson, AZ 85721

ADVANCED WARNING!: At the request of many who have attended the past several ABS Meetings it is the intention of the Program Officer to enforce the original rule regarding 20 min contributed papers. Namely, 15 min are for the paper presentation and 5 min are for discussion. PLEASE PLAN ACCORDINGLY FOR THE 1986 MEETING! Please limit your oral presentation to 15 min and practice before to adhere to the limit. We were quite successful with this rule in Raleigh - on to Tucson!

ABSTRACT TRANSMITTAL FORM --- ANNUAL MEETING OF THE ANIMAL BEHAVIOR SOCIETY

8 - 13 JUNE UNIVERSITY OF ARIZONA TUCSON, ARIZONA

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

Title of Paper: _____

Author(s):

First Name	Middle Initial	Last Name	Institutional Affiliation
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Mailing Address of presenting author:

Telephone Numbers:
Office: _____
Home: _____

ABS Membership of Presenting Author:

Regular Member of ABS _____ Student Member of ABS _____
Nonmember _____ Sponsored by _____
Visiting Foreign Scientist Engaged in Animal Behavior Research _____

Category of Paper to be presented (ABSTRACT REQUIRED OF ALL CATEGORIES)

20 minute paper _____ Symposium Paper _____
5 minute paper _____ Invited Paper Session _____
Poster Paper _____ Founders Award for Poster Papers _____
Allee Award Competition _____

WOULD YOU BE WILLING TO CHAIR A SESSION(PLEASE HELP!)? Yes _____ No _____

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.

Signed _____

PLEASE TYPE OR PRINT ALL INFORMATION ON THIS FORM

Please identify your paper according to animal group and principal subject by circling the appropriate categories. These are used by the Program Officer to assist in arranging the program.

Animal Group:	Humans	Carnivores	Crustaceans	Arachnids
	Ungulates	Rodents	Amphibia	Insects
	Other Mammals	Marine Mammals	Reptiles	Other Invertebrates
	Non-human Primates	Birds	Fishes	Molluscs

Subject:

Applied ethology	Social Behavior - -
Behavioral ecology	Agonistic
Biological rhythms	Altruism/kinship
Communication	Courtship/mating
Development	Dominance
Genetics	Mate choice
Learning	Intrasexual competition
Methodology	Parent-offspring relations
Natural History	Play behavior
Orientation/Navigation	Territoriality
Physiology/Neuroethology	
Predator/Prey	
Self Maintenance	

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

When foraging for papers to attend at the Annual Meeting I prefer to have the sessions arranged by: subject _____ taxonomic group _____

For placing my own paper I prefer to have the paper arranged by: subject _____ taxonomic group _____

VISUAL AIDS A 2" x 2" slide projector is provided for each session. What special equipment would you like to use (subject to availability)?

overhead projector _____ 16 mm movie projector _____

other (be very specific) _____

Instructions for preparing abstract:

1. Abstracts will be photographed just as you submit them; you must follow the suggested format.
2. Abstracts should be typed in a 3" x 7" space, such as provided below. Letters should not touch the 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. Be very wary of abstracts printed by dot matrix printers - they often do not reproduce well.
4. Your abstract should be organized as follows:
 - a. Title - use CAP's; check to make certain that Transmittal Form and Abstract titles match; when using a Latin name, please include the common name also; see example below.
 - b. Authors - include departmental and institutional affiliations.
 - c. Specific objectives - include a brief statement unless this is clear from the title.
 - d. Methods - include a brief description as necessary
 - e. Results - provide a clear, specific summary of findings.
 - f. Conclusions.
 - g. Acknowledgements or References - as desired

SEND TWO COPIES OF THE ABSTRACT AND ONE COPY OF THE TRANSMITTAL FORM TO THE PROGRAM OFFICER. If only 1 copy of the Abstract is sent the Program Officer may return your materials to you requesting a second copy of the Abstract. Such a delay could result in your missing the deadline!

DEADLINE FOR ALL ABSTRACTS IS FEBRUARY 1, 1986!!

Ex. of title lines (follow this format):

DISPERSAL PATTERNS IN THE DWARF MONGOOSE (Helogale parvula)

Jon P. Rood, Smithsonian Conservation and Research Center, Front Royal, Virginia

ABS OFFICERS

*To take office 14 June 1986

PRESIDENT: Jeanne Altmann, Dept Conservation Biology,
Chicago Zoological Park, Brookfield IL 60513
1st PRESIDENT-ELECT: Gordon Burghardt, Dept of Psych,
Univ of Tennessee, Knoxville TN 37916
2nd PRESIDENT-ELECT: Sidney Gauthreaux, Jr., Dept of
Zoology, Clemson Univ, Clemson SC 29631
*2nd-PRESIDENT-ELECT: John Fentress, Dept Psych,
Dalhousie University, Halifax, Nova Scotia, Canada B3H
4J1
PAST PRESIDENT: Colin Beer, Institute of Animal Behavior,
Rutgers Univ, Newark NJ 07102
SECRETARY: (1984-87) Terry Christenson, Dept of
Psychology, Tulane Univ, New Orleans LA 70118.
TREASURER: (1982-85) H. Jane Brockmann, Dept of Zoology
, Univ of Florida, Gainesville FL 32611
PROGRAM OFFICER: (1983-86) Lee Drickamer, Dept of Biol
ogy, Williams College, Williamstown MA 01267
*PROGRAM OFFICER:(1986-89) Susan Riechert, Dept
Zoology, Univ of Tennessee, Knoxville TN 37916
PARLIAMENTARIAN: (1983-86) Edward H. Burt, Jr., Dept
Zool, Ohio Wesleyan Univ, Delaware OH 43015
*PARLIAMENTARIAN: (1986-89) Edward H. Burt, Jr., Dept
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