



# NEWSLETTER

## Animal Behavior Society

Vol. 26, No. 4  
November 1981  
A quarterly publication

SIDNEY A. GAUTHREAUX, JR., Secretary  
Dept. Zoology, Clemson University  
Clemson, South Carolina 29631

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

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### MEETINGS

SYMPOSIA FOR ASZ AND ABS MEETINGS: To organize an invited paper session or symposium for the 1982 ABS meeting August 15-19 at the Univ. of Minnesota, Duluth; or a symposium for the 1983 ASZ meeting December in Philadelphia, PA contact: Terry Christenson, ABS Program Officer, Department of Psychology, Tulane University, New Orleans, LA 70118 (504-865-5331).

FUTURE ABS ANNUAL MEETINGS: 1982 August 15-19, Univ. Minn., Duluth, MN, hosts: H. Mitzi Doane and Kamal S. Gindy, Dept. of Psychology; 1983 June 19-24, Bucknell Univ., Lewisburg, PA, host: Douglas Candland, Dept. of Psychology; and 1984 August 13-17, E. Wash. Univ., Cheney, WA, host: Steven B. Christopher, Dept. of Psychology.

The Executive Committee is now accepting invitations to host the 1985 and subsequent annual meetings of ABS. It would be desirable to hold the June 1985 meeting well to the south or east of Cheney, and invitations from such regions are particularly welcomed.

Potential hosts should contact: Jack P. Hailman, President, ABS, Department of Zoology, University of Wisconsin, Madison, WI 53706.

1982 MIDWEST REGIONAL ABS MEETING: The meeting will be held at the University of Illinois, Urbana from February 12-14. The host is Ed Banks, Dept. of Ecology, Ethology & Evolution.

For further information, write: 1982 Regional Animal Behavior Meeting, 515 Morrill Hall, 505 South Goodwin, University of Illinois, Urbana, IL 61801.

1981 AAAS MEETING: 3-8 January, Washington, D.C. Over 150 symposia including:

Human Learning, Major Evolutionary Change, Biology of Sex, Brain and Behavior, Aggression and Cooperation, Darwinism, Biological Magnetic Fields, Biocommunication, Cerebral Laterality, Pain in Animals and Man, and Ethology and Politics.

For more information, see the 18 September issue of SCIENCE and/or write:

AAAS Meetings Office, 1776 Massachusetts Ave., N.W., Washington, D.C. 20036.

AAAS ANNUAL MEETINGS: The dates of the AAAS annual meeting have been changed to the Memorial Day weekend (Thurs. - Tues.), beginning in 1983.

The schedule of future meetings is as follows: 1982 Jan. 3-8, Washington, D.C.; 1983 May 26-31, Detroit; 1984 May 24-29, New York; 1985 May 23-28, Los Angeles.

ANNUAL CONFERENCE OF THE NORTHWEST SCIENTIFIC ASSOCIATION: 17-19 March 1982, Walla Walla College, College Place, WA. Papers are invited in Evolutionary Biology, Science Education, Social Science, Zoology, and for a Symposium on Biotelemetry and Radio Tracking. Contact: Clyde L. Webster, Chemistry Dept., Walla Walla College, College Place, WA 99324.

IXth CONGRESS OF THE INTERNATIONAL PRIMATOLOGICAL SOCIETY: 8-13 August 1982, Atlanta, GA.

A joint meeting of the International Primatological Society, American Society of Primatologists and International Society for Human Ethology.

Proposals for Symposia/Workshops, Brief Oral/Slide Papers and Film Presentations must be received before 1 Feb. 1982. ASP will award two monetary prizes for student papers.

Contact: Congress Office, Yerkes Center, Emory University, Atlanta, GA 30322.

ABS REPRESENTATIVE TO AIBS AND ABS PUBLIC RESPONSIBILITIES REPRESENTATIVE TO AIBS:

The ABS Executive Committee announces the confirmation of Edward M. Barrows, Department of Biology, Georgetown University, Washington, D.C. 20057.

ANIMAL BEHAVIOUR: Please check that the libraries and institutions you use subscribe.

The greater the circulation, the more we can keep costs down and expand the journal.

1981 MEETING OF THE ANIMAL BEHAVIOR SOCIETY WITH THE AMERICAN SOCIETY OF ZOOLOGISTS, CRUSTACEAN SOCIETY, SOCIETY OF PROTOZOOLOGISTS, AMERICAN MICROSCOPICAL SOCIETY, AND THE SOCIETY OF SYSTEMATIC ZOOLOGY -- DECEMBER 27-30 -- HYATT REGENCY, DALLAS, TEXAS.

Program - Animal Behavior

- December 27: Contributed Papers, 1:30 - 3:50 P.M.  
Business Meeting, ABS/ASZ-DAB, 4:10 - 5:00 P.M.  
Animal Behavior Poster Session, 4:15 - 6:15 P.M.
- December 28: Contributed Papers, 9:00 - 11:40 A.M. and 1:30 - 4:10 P.M.  
Dinner in honor of participants in the Optimization of Behavior Symposium,  
6:00 - 8:00 P.M.
- December 29: Symposium on Optimization of Behavior. Arranged by D. J. Howell.  
9:00 A.M. HOWELL, D. J., Southern Methodist Univ., Dallas, TX. Overview and review of problems.  
9:20 HAINSWORTH, R. and L. WOLF, Syracuse Univ., NY. Optimization of feeding behaviors in nectar feeding birds.  
10:00 HEINRICH, B., Univ. of Vermont, Burlington. Optimization in the foraging behavior of nectivorous birds.  
10:20 BECKERMAN, S., Pennsylvania State Univ., University Park. Optimal foraging by a human population?  
10:40 HAWKES, K., Univ. of Utah, Salt Lake City. How much is enough?  
11:20 KAMIL, A., Univ. of Massachusetts, Amherst. Optimal foraging theory and the psychology of learning.  
12:00 LUNCH BREAK  
2:00 P.M. MCNAIR, J., Purdue Univ., West Lafayette, IN. Optimal giving-up times and the marginal value theorem.  
2:40 FORD, R. G., Univ. of California, Irvine. Predicting space use pattern using optimal foraging theory.  
3:00 DURHAM, W., Stanford Univ., Palo Alto, CA. Optimization models of human intergroup aggression.  
3:20 VEHRENCAMP, S., Univ. of California, San Diego. To skew or not to skew.  
3:40 CHARNOV, E., Univ. of Utah, Salt Lke City. Optimization models in the theory of sex allocation.  
4:20 DISCUSSION
- December 30: Contributed Papers, 9:00 - 11:40 A.M.

Meeting plans include an additional 11 symposia, other contributed paper sessions, special evening programs, socials, commercial exhibits, a Job Placement Service, and Children's Activity Center. Hyatt Hotel rates are \$35 for single rooms and \$44 for double/twin rooms.

Rooms for graduate students at the Bradford Hotel (2 blocks from Hyatt) are \$25 single and \$30 double/twin. For reservations at the Bradford (students only), write or call the ASZ Business Office (805-492-3585) before November 25 giving name, address, arrival and departure dates, type of room required, and credit card number to guarantee reservation.

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FOR MORE INFORMATION ON THE MEETING AND ADVANCE REGISTRATION AND HOUSING FORMS, RETURN THIS COUPON TO: Mary Wiley, American Society of Zoologists, Box 2739  
California Lutheran College, Thousand Oaks, CA 91360.

DEADLINE FOR RECEIPT OF COMPLETED FORMS IS 25 NOVEMBER 1981.

Please send: \_\_\_\_\_ Advance Registration and Housing Forms and details of meeting plans.  
\_\_\_\_\_ Material on the Activity Room for Children.  
\_\_\_\_\_ Information on the Spouse Program.  
\_\_\_\_\_ Membership Application for the Division of Animal Behavior of ASZ.

Name and complete mailing address:

CORRECTION: Aldemaro Romero, recipient of the Peter Nicolich Award and the Charles Tobach Award, is affiliated with the Department of Biology, University of Miami, Coral Gables, FL.

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POSITIONS AVAILABLE

ASSISTANT, ASSOCIATE OR FULL PROFESSOR OF ENTOMOLOGY: To teach insect behavior and conduct fundamental and/or applied research in insect behavior with application to practical problems. Ph.D. required. Submit curriculum vitae, transcripts, description of research experience and goals, summary of teaching experience, reprints of publications, dissertation summary, and names of 3 referees to: H. K. Kaya, Chair, Search Committee, Department of Entomology, University of California, Davis, CA 95616 by December 31, 1981. An Equal Opportunity/Affirmative Action Employer.

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PUBLICATIONS AVAILABLE

1981 ABS MEETING ABSTRACTS: Bound copies of abstracts of papers are available at \$1.25 each. Copies of the 1981 Animal Misbehaviour are available at 50¢ each. Child's t-shirts, sizes S and M are available at \$3.25. All orders sent postpaid. 25% off on orders totaling \$5. or more. Make checks payable to "Animal Behavior Conference." Mail to Gordon M. Burghardt, Department of Psychology, University of Tennessee, Knoxville, TN 37916.

LIFE SCIENCES FILMS: A new International Science Film Collection is available. Penn State is distributing video cassettes and 16mm films. Titles of interest to ABS members include: Aggressive Behavior in Mature Male American Bison, Courtship Behavior of the Queen Butterfly, Development of Behavior in the Duck Embryo, Gelada, Mountain Gorilla, Nature and Development of Affection, Reproductive Behavior of the Brook Trout, Rhesus Monkey Infant's First Four Months, Sexual Behavior of the American Bison, Teaching American Sign Language to the Chimpanzee, Indications of Distance and Direction in the Honeybee - Round and Waggle Dance, Reproductive Behavior of the Ring Dove, Sexual Imprinting in Estrildine Finches. For a complete listing of titles and preview/rental/purchase information, contact: Robert Allen, Director, Audio Visual Services, Special Services Building, Pennsylvania State University, University Park, PA 16802.

If you would like a list of the films shown at the 1981 ABS meeting in Knoxville, short summaries and ordering information, write: Jack Ward, Chair, ABS Film Committee, Department of Biology, Illinois State University, Normal, IL 61761.

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INTERNATIONAL SOCIETY FOR HUMAN ETHOLOGY: Membership and subscription to the quarterly newsletter is \$5.00 and payable each January. Contact: Joan S. Lockard, Department of Neurological Surgery (RI-20), University of Washington, Seattle, WA 98195.

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XVIIIth INTERNATIONAL ETHOLOGICAL CONFERENCE: Brisbane, Australia, 29 Aug.-6 Sept., 1983. Host: Glenn McBride, University of Queensland. This will be an open meeting. To facilitate planning, please fill out the following questionnaire and mail, no later than 1 Jan. 1982, to: Lee C. Drickamer, Biology Dept., Williams College, Williamstown, MA 01267.

1. I will(    ), will not(    ), may(    ) attend the IEC at Brisbane.  
There will (probably) be \_\_\_\_\_ persons accompanying me.
2. I would like to see the following topics as subjects for plenary sessions:
3. I would recommend the following specific topics for small discussion groups:
4. Group-fare flights are tentatively planned to arrive in Australia two weeks prior to the IEC and to depart the day after the IEC ends.  
I would(    ), would not(    ) be interested in such an arrangement.  
I would like to have the following tour options arranged during those two weeks (e.g. Great Barrier Reef, New Zealand, etc.):
5. Any other special requests or suggestions?

Name and Address:

## NSF Support for Animal Behavior Research

Fred Stollnitz  
National Science Foundation, Washington, DC 20550

Research on animal behavior is supported by several programs of the National Science Foundation. The Psychobiology Program supports more animal behavior research than any other program. Although funds have been severely reduced for the fiscal year that began October 1, the Psychobiology Program will be making research grants for competing projects during the coming year. New as well as renewal projects will be supported; some renewals will be funded at lower levels than in the past, in order to support as many meritorious projects as possible.

The Psychobiology Program provides support for research on behavior and its genetic, environmental, hormonal, neural, and motivational determinants. The Program supports field and laboratory studies using a wide range of observational, experimental, theoretical, comparative, and quantitative approaches. Support is provided for research on such topics as animal learning and memory, conditioning and stimulus control, preferences and aversions, foraging and ingestion, migration and homing, communication, and the social and reproductive behavior of animals. Fred Stollnitz is Program Director; Carol Diakow is Program Associate until August 1982. For further information, phone 202/357-7949.

The Population Biology and Physiological Ecology Program provides support for studies of evolutionary, ecological, behavioral and population genetics, plant and animal demography, and evolutionary, behavioral and physiological ecology. Support is provided for research using theoretical, experimental, laboratory and field approaches to the analysis of populations. The focus is on the understanding of populations of single species with regard to genetic relationships, population dynamics, and physiological adaptation to specific environments. Jerry F. Downhower is Program Director. For further information, phone 202/357-9728.

Review of proposals at the interface between these two programs is guided by the distinction between proximate and ultimate causes of behavior. Thus, proposals dealing with the mechanisms or development of behavior are reviewed by Psychobiology; proposals dealing with the evolution or adaptive functions of behavior are reviewed by Population Biology and Physiological Ecology. A proposal is reviewed jointly by both programs when its emphasis is nearly equally divided between proximate and ultimate causes.

Similar principles guide the review (and funding) of proposals at other interfaces among NSF programs. Some related programs, their directors, their phone numbers (area 202), and examples of topics of interest to animal behaviorists:

Anthropology, John E. Yellen, 357-7804 (animal behavior in relation to hominid evolution; primate locomotion and functional anatomy)  
Biological Oceanography, Michael R. Reeve, 357-9600 (ecology, physiology, and life history of marine and Great Lakes organisms)  
Ecology, Gary W. Barrett, 357-9734 (interspecific competition and symbiosis; predator-prey relationships; co-evolution; multi-species interactions)  
Neurobiology, Steven E. Kornguth, 357-7471 (molecular, cellular, and physiological studies of nervous systems)  
Polar Biology and Medicine, Richard B. Williams, 357-7894 (sensory and behavioral adaptations of arctic and antarctic organisms)  
Regulatory Biology, Bruce L. Umminger, 357-7975 (comparative physiology and endocrinology)  
Sensory Physiology and Perception, Terrence R. Dolan, 357-7428 (molecular, cellular, physiological, and behavioral studies of sensory systems and perception; production of sound and light by animals)  
Systematic Biology, Grady L. Webster, 357-9588 (behavior as a taxonomic character or as a species-isolating mechanism)

Both basic and applied research may be supported; however, clinical projects (including studies of animal models of clinical conditions) are not supported. In particular, NSF wishes to minimize overlap of proposals that fall within the health mission of NIH.

Support can also be granted for specialized research facilities and equipment, and for research conferences and workshops relating to the areas described above. We encourage women and minority scientists to apply for NSF support. Scientists at smaller institutions are encouraged to apply for independent grants if their research facilities are adequate; if not, they may arrange to work with NSF-supported researchers at larger institutions. Proposals for doctoral dissertation research (not including stipends) can be considered by most of the programs mentioned (see NSF 80-7).

Proposals should be prepared according to instructions in the brochure, Grants for Scientific Research (NSF 78-41, revised October 1980), which can be obtained from your institution's research office or from NSF's Publications Office. If your project is the joint responsibility of more than one Principal Investigator, all Co-Principal Investigators must sign the cover page of the proposal. Please provide all the information on Current and Pending Support required by Appendix IV of the brochure.

Each proposal is sent to several reviewers selected for their knowledge of the research topic of the proposal. In addition, most proposals are reviewed by a program's advisory panel, whose members generally serve three-year terms. In selecting reviewers, NSF staff members try to choose scientists who can provide unbiased, balanced evaluations of the various aspects of the research areas and methods of the proposal. If you wish, you may suggest appropriate reviewers (or specify reviewers who you feel would be inappropriate) to the program staff when you submit your proposal. We are extremely grateful for the invaluable help provided by the many scientists who have reviewed proposals for us in the past, and we welcome volunteers for future reviewing. The validity and reliability of our decisions about which projects to support depend largely upon the careful evaluations provided by reviewers.

Available funds are severely limited; only the most meritorious projects can be supported. The proposal should be written so that the broad scientific implications of the work are clear to all reviewers, including those whose own research is in a different specialty. The project description should not exceed 15 single- or 30 double-spaced pages. Reviewers appreciate concise proposals and are familiar with NSF's length guideline, so even if you feel that there are extenuating circumstances, it may not be wise to submit a longer proposal. In most cases, proposals exceeding the guideline will have to be shortened before they are sent out for review. Concentrate on presenting the proposed work in enough detail for reviewers to evaluate its scientific importance, the soundness of the design and methods, and the appropriateness of the time and budget requested. Additional details (e.g., more complete review of the literature, precise methods of behavioral observation) can be cited in the text and provided in judiciously chosen appendices attached to each copy of the proposal. Reviewers should not have to consult the appendices for a basic understanding of the research plan. Do not append everything you have written in the last five years. If the reviewer is in danger of injury from lifting the proposal, the review is not likely to be positive.

Most awards are for two to three years, although you may request support for up to five years. All items in the budget should be clearly explained on a page separate from the budget summary form. If some necessary item is not requested because it is being provided from another source, explain this also. The aim is to show reviewers that the budget is as low as is realistically possible to get the work done. If the budget is padded, reviews are likely to be less enthusiastic than they would otherwise be.

If you have questions after reading Grants for Scientific Research, please feel free to write or phone any of the programs. The program staff will be happy to be of assistance.

AUGUST ELECTION OF OFFICERS BALLOT INVALID: The Secretary informed me that a member responding to the ballot for election of officers in the August NEWSLETTER objected to an apparent violation of a constitutional provision in Article 8, Section 1 governing General Elections. Subsequent investigation revealed that the August election ballot was not in accordance with three separate constitutional provisions, all offices being affected by at least one of these. I therefore asked the Parliamentarian to render a decision as to what should be done, and he has advised me that the only allowed course of action is to declare the ballot invalid for General Elections. This decision does not affect the referendum on constitutional changes, which was held in accordance with constitutional provisions.

I have therefore notified all candidates and the members of the Executive Committee that the August ballot is invalid, and that a new election will be held in full accordance with the Constitution and Bylaws of the Society. On the further advice of the Parliamentarian, I have considered that all candidates appearing on the August ballot who were legitimately eligible under the constitution - whether nominated by the Nominating Committee or by petition - will remain on the new ballot, assuming they are willing to serve if elected. Furthermore, I have directed the Nominating Committee to inform the Secretary of all new nominations under Article 8, Section 1 and to insure that at least two eligible candidates stand for each office. Lastly, I remind all the membership of the constitutional provision that "additional nominations may be made in letters to the Executive Committee signed by 5 or more members in good standing." I ask that to be considered for this new ballot such nominations by petition reach me on or before 31 November 1981.

A new ballot, prepared in accordance with all constitutional provisions, along with vitae of all candidates, will then be issued to the full membership in a special number of the NEWSLETTER. -- Jack P. Hailman, President, ABS, Department of Zoology, University of Wisconsin, Madison, WI 53706.

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ABS AUGUST ELECTION: RESULTS OF REFERENDUM ON CONSTITUTIONAL CHANGES: All three Constitutional changes were passed: Parliamentarian is added to the list of Society Officers, the Editor of ANIMAL BEHAVIOUR will serve a three year term, and the quorum for the Executive Committee is now six. 456 ballots were cast (this represents 23% of the current membership, compared to 27% voting in 1980, 24% in 1979, and 22% in 1978).  
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DEADLINES FOR RECEIPT OF MATERIALS FOR NEWSLETTERS: ABS: January 15, 1982 for February Newsletter. ASZ Division of Animal Behavior: May 15, 1981 for June Newsletter.

Send materials to: Sidney A. Gauthreaux, Jr., Secretary, ABS, Department of Zoology, Clemson University, Clemson, SC 29631.  
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APPLICATION FOR MEMBERSHIP: ANIMAL BEHAVIOR SOCIETY

Name in full \_\_\_\_\_ Degrees \_\_\_\_\_

Mailing address \_\_\_\_\_  
\_\_\_\_\_

Institution \_\_\_\_\_ Position \_\_\_\_\_

\_\_\_\_\_ Member - \$27.00 (U.S.) Receive ANIMAL BEHAVIOUR and NEWSLETTER.

\_\_\_\_\_ Student Member - \$17.00 (U.S.) Receive ANIMAL BEHAVIOUR and NEWSLETTER.

\_\_\_\_\_ Spouse Member - \$9.00 (U.S.) Receive NEWSLETTER only.

Membership for calendar year 19\_\_\_\_. Date and place of birth \_\_\_\_\_

Specific area of interest \_\_\_\_\_

Member of these societies: \_\_\_\_\_ Ecol. Soc. Amer.; \_\_\_\_\_ Amer. Soc. Zool.;

\_\_\_\_\_ Amer. Psych. Assoc.; \_\_\_\_\_ Wildlife Soc.; \_\_\_\_\_ Other(s) \_\_\_\_\_

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: H. B. Graves, Treasurer, ABS, Dept. of Poultry Science, Pennsylvania State University, University Park, PA 16802.

## STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS: ANIMAL BEHAVIOR SOCIETY

July 1, 1980 - July 1, 1981

BEGINNING CASH, JULY 1, 1980

Central Counties Bank (6 Mo. certificate).....	\$ 15,000.00
Central Counties Bank Checking Account.....	2,000.87
State College Federal Savings & Loan (6 Mo. certificate).....	40,000.00
Central Counties Bank Saving Account.....	<u>17,683.25</u>
TOTAL BEGINNING CASH	\$ 74,684.12

CASH RECEIPTS

Membership Dues - Regular.....	\$ 37,107.49
Student.....	12,990.85
Emeritus and Fellows.....	85.00
Spouse.....	261.00
Subscribers.....	1,208.00
Donations.....	29.00
Labels.....	1,968.00
Royalties.....	1,297.61
Interest.....	9,818.38
ASAB donation for Editorial Expenses.....	1,000.00
Miscellaneous.....	<u>316.00</u>
TOTAL CASH AVAILABLE DURING PERIOD	\$ 66,081.33

CASH DISBURSEMENTS DURING JULY 1, 1980 - JULY 1, 1981

Association for the Study of Animal Behaviour.....	\$ 21,848.00
American Institute of Biological Sciences (membership dues & lists).....	1,644.22
Editor.....	16,500.00
Program Officer (\$1,473.43 for 1979-80 expenses).....	3,272.53
Secretary.....	2,900.00
Treasurer - Printing, Postage.....	688.89
Secretarial Assistance.....	1,697.50
Audit.....	400.00
Education Committee.....	2,100.00
Organization and Bylaws Committee.....	95.00
IEC Representative (photocopying expenses).....	200.00
Colorado State Meeting Deficit.....	1,594.70
Refunds.....	148.00
Miscellaneous (Incorporation fee, Canadian exchange & bad checks debits. Allee Award.....)	<u>616.89</u>
TOTAL CASH DISBURSEMENTS: JULY 1, 1980 - JULY 1, 1981	\$ 53,805.73

ENDING CASH, JULY 1, 1981

State College Federal Savings & Loan (6 Mo. certificate, matures 6/5/81)	\$ 40,000.00
State College Federal Savings & Loan (6 Mo. certificate, matures 9/7/81)	20,000.00
State College Federal Savings and Loan (NOW Account).....	11,450.16
Central Counties Bank (6 Mo. certificate, matures 7/8/81).....	15,000.00
Central Counties Bank (Checking Account).....	<u>509.56</u>
TOTAL CASH, JULY 1, 1981	\$ 86,959.72

ELECTION OF MEMBERS OF THE U.S. ETHOLOGICAL CONFERENCE COMMITTEE: The following six persons have been nominated by the ABS Executive Committee and the U.S. Ethological Conference Committee. Three are to be elected for a six-year term each. The continuing members of the Committee are: Marc Bekoff, Lee C. Drickamer, Gilbert Gottlieb, John A. King, Devra Kleiman, and Frank McKinney. ABS Members, please vote for THREE of the persons listed below. The three persons receiving the most votes will be the new USECC members.

Stuart Altmann	<u>      </u>	Arthur Myrberg	<u>      </u>
Donald Dewsbury	<u>      </u>	Judy Stamps	<u>      </u>
Stephen T. Emlen	<u>      </u>	Charles Walcott	<u>      </u>

RETURN BALLOTS BY 1 DECEMBER 1981 TO:

Sidney A. Gauthreaux, Secretary AES, Dept. of Zoology, Clemson Univ., Clemson, SC 29631.

1982 ABS ANNUAL MEETING: University of Minnesota, Duluth; August 16-20, 1982

CALL FOR PAPERS: Included in this Newsletter are a Transmittal Form and an Abstract Preparation Form for contributed papers. ABS members may present or sponsor only one contributed paper at the annual meeting. There are three types of contributed papers: 20 min (15 min for presentation and 5 min discussion), 5 min and poster papers. There is one limitation on presenting contributed papers: a member may not present or sponsor a 20 min paper in two consecutive years. For example, if you presented or sponsored a 20 min paper in 1981 and desire to give a verbal paper in 1982, it must be of the 5 min length. Poster papers, however, may be given in consecutive years. A member may also show one film, and participate in an invited paper or symposium session in addition to giving or sponsoring one contributed paper. It is expected that the research reported at the annual meeting complies with all applicable laws concerning animal care. Transmittal and Abstract Forms, as well as inquiries concerning the program, should be forwarded to the Program Officer, Terry Christenson, Dept of Psychology, Tulane University, New Orleans, LA 70118, no later than April 26, 1982.

POSTER SESSION PAPERS are strongly encouraged. Participation will facilitate more discussion, perusal of data, and a one-to-one exchange of ideas.

FILMS: The Films committee needs your help in continuing to offer enjoyable and informative sessions. You can help in three ways. 1) We are looking for original films to be included in the program. If you have original footage, please request a transmittal form from the Films Committee. 2) If you have previewed new films that you think should be included in the program, please send titles and distributor names. 3) We would like to hear from those who have produced a film and are interested in helping with a presentation on film production. Contact Jack Ward, Chairperson, Films Committee, Dept of Biological Sciences, Illinois State University, Normal, IL 61761 (309/438-3669).

ALLEE AWARD COMPETITION: The W.C. Allee Award will be presented for the outstanding student paper at the 1982 annual meeting. Any independent student research which is unpublished at the time of submission for competition is eligible so long as the entrant has not competed before and has not had the final defense of his/her doctoral dissertation prior to the preceding ABS Annual Meeting. To compete, send Transmittal and Abstract Forms to the Program Officer, Terry Christenson, and four copies of a written version of the paper (not to exceed 7 pages of double-spaced typewritten text in the Animal Behaviour format) to Devra Kleiman, Dept of Zoological Research, National Zoological Park, Washington, D.C. 20008. Deadline for the written text is April 26, 1982.

CALL FOR INVITED PAPER SESSIONS AND SYMPOSIA: Individuals interested in organizing a special session for the 1982 annual meeting should call (504/865-5331) or write the Program Officer. Symposia must be approved by the Executive Committee. ABS does not provide financial subsidy. Deadline for submission of proposals in Feb 1, 1982.

REGISTRATION AND HOUSING information will appear in the Feb Newsletter. For information contact the local host: Mitzi Doane, Dept of Psychology, University of Minnesota, Duluth, MN 55812.



ANIMAL BEHAVIOR SOCIETY  
ANNUAL MEETING TRANSMITTAL FORM  
August 16-20, 1982  
University of Minnesota, Duluth  
Form must be forwarded by April 26, 1982

Return to: Terry Christenson, Ph.D.  
Dept of Psychology  
Tulane University  
New Orleans, LA 70118  
504/865-5331

1. Title of paper: -----  
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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:

---- A regular member of ABS

---- A student member of ABS

---- A non-member co-authoring with the following member -----

---- A non-member sponsored by -----

5. Category of paper to be presented (abstract required for all types).

---- 20 minute (includes discussion)

---- Poster paper

---- 5 minute

---- Allee Competition

A member may not present or sponsor 20 minute contributed papers at two consecutive national meetings; see section "CALL FOR PAPERS" in this Newsletter for details.

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 category. To be used by Program Officer in scheduling papers.

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

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

    Female 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. With advanced notice 3 1/4 x 4 slides could be accommodated.

Do you wish to use 3 1/4 x 4 slides? \_\_\_\_\_

Do you need a 16 mm projector? \_\_\_\_\_

Other visual aids equipment needed: \_\_\_\_\_

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 3 x 7 inch 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, if possible, with a good ribbon; make neat corrections. Elite type is preferred. Practice typing the abstract in a 3 x 7 inch rectangle before using the form below. 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 Transmittal Form and Abstract titles match; when using the Latin name, include the common also; see example below.
  - b. Authors- include department and institutional affiliation
  - c. A sentence stating the specific objectives of the study, unless clear from the title.
  - d. A brief description of methods, if pertinent.
  - e. A summary of the results.
  - f. A statement of conclusions.
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