



# NEWSLETTER

## Animal Behavior Society

Vol. 27, No. 1  
February 1982  
A quarterly publication

SIDNEY A. GAUTHREAU, 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 -- CALLS FOR PAPERS

1982 ABS MEETING: 15-20 Aug. Conference housing and registration information are included in this NEWSLETTER. Further questions should be directed to: Kamal S. Gindy, Psychology Dept., 330 Bohannon Hall, Univ. Minnesota, Duluth, MN 55812 (ph: 218-726-7189); or Dr. Mitzi Doane, Psych. Dept., 176 Library, Univ. MN (ans. machine 218-728-3131, 218-726-8592).

SYMPOSIA FOR ASZ AND ABS MEETINGS: To organize an invited paper session, symposium, or round-table for the 1982 ABS meeting August 15-20 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 (phone: 504-865-5331).

FINAL CALL FOR PAPERS 1982 ANNUAL ABS MEETING: ABS members are invited to submit papers for the Annual Meeting to be held 15-20 August 1982 at the Univ. of Minnesota, Duluth. Transmittal forms, instructions for the preparation of abstracts, and other information were included in the November 1981 ABS NEWSLETTER. Questions about the program should be directed to the Program Officer, Terry Christenson, Dept. of Psychology, Tulane Univ., New Orleans, LA 70118, (504-865-5331). DEADLINE FOR RECEIPT OF ABSTRACTS IS 26 APRIL 1982.

ALLEE AWARD: Students interested in competing for the Outstanding Student Paper at the 1982 ABS Annual Meeting must send transmittal and abstract forms to the Program Officer, Terry Christenson, and 4 copies of a written version of the paper (not to exceed 7 pp. double-spaced) to Devra Kleiman, Dept. of Zool. Res., National Zoological Park, Washington, DC 20008, by 26 April 1982. For details of application procedures see the Nov. NEWSLETTER.

1982 MIDWEST REGIONAL ABS MEETING: Univ. Illinois, Urbana, from February 12-14. The host is Ed Banks, Dept. of Ecol., Ethol. & Evol. Contact: 1982 Regional Animal Behavior Meeting, 515 Morrill Hall, 505 South Goodwin, University of Illinois, Urbana, IL 61801.

1982 NORTHEAST REGIONAL ABS MEETING: The meeting will be held at Northeastern University, Boston, MA, from Nov. 5-7. Suggestions for symposia as well as offers to organize plenary sessions are most welcome. The keynote speaker will be Prof. Patrick Bateson, Sub-Department of Animal Behaviour, University of Cambridge. Details about registration, submission of abstracts, etc. will appear in the May 1982 ABS NEWSLETTER.

Host: Martin Block, Dept. of Psychology, Northeastern University, Boston, MA 02115,  
(617-437-3793).

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

DEADLINES FOR RECEIPT OF MATERIALS FOR NEWSLETTERS: ABS: April 15, 1982 for May Newsletter. ASZ Division of Animal Behavior: May 15, 1982 for June Newsletter.

Send materials to: Sidney A. Gauthreaux, Jr., Secretary, Animal Behavior Society,  
Department of Zoology, Clemson University, Clemson, SC 29631.

MEETINGS -- CALLS FOR PAPERS

SQEBC: The VII Annual meeting of the Société Québécoise pour l'Étude Biologique du Comportement will be held 4-7 Nov. 1982 near Sherbrooke, Québec, Canada in a natural surrounding at the foot of Orford Mountain. An overview Symposium on "OPTIMIZING BEHAVIOR UNDER ECOLOGICAL CONSTRAINTS: SEX AND FOOD" is being organized and will begin Nov. 4th. Reports of studies on higher vertebrates are requested, but those on other animal groups will be considered as well. A preliminary program is available on request. Those interested in contributing or attending should contact: André Cyr, Dept. Biologique, Univ. de Sherbrooke, Sherbrooke, Québec, Canada, J1K 2R1.

CRUSTACEAN SOCIETY: Scheduled activities for the 1982 meeting with ASZ in Louisville: Symposia--Crayfish Distribution Patterns, J. F. Payne and Factors Influencing Crustacean Growth, A. M. Wenner; Workshop--Crayfish Culture, A. J. Provenzano, Jr. Contributed paper sessions are also planned. Contact: Patsy A. McLaughlin, Program Chair, The Crustacean Society, Dept. of Biological Sciences, Florida International Univ., Miami, FL 33199.

XVIIIth INTERNATIONAL ETHOLOGICAL CONFERENCE: Brisbane, Australia, 29 Aug.-6 Sept., 1983. For information: Glenn McBride, Animal Behaviour Unit, University of Queensland, St. Lucia, Queensland, Australia 4067. This will be an open meeting. A call for papers will be issued 30 June 1982. Final date for receipt of papers and registration: 15 Nov. 1982.

1983 ASZ MEETING: The 1983 meeting of the American Society of Zoologists will be held in Philadelphia, PA, 27-30 December 1983. Those interested in organizing a symposium should contact the ABS Program Officer, Terry Christenson, Dept. of Psychology, Tulane University, New Orleans, LA 70118. Some funding for symposia may be available through ASZ.

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

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: 1983 May 26-31, Detroit; 1984 May 24-29, New York; 1985 May 23-28, Los Angeles.

PUBLICATIONS AVAILABLE

ANIMAL CARE GUIDELINES: The Ethics Committee of ASAB (U.K.) and the Animal Care Committee of ABS have jointly published "Guidelines for the Use of Animals in Research" in Animal Behaviour (1981, Vol. 29: 1-2). The publication is available from the ABS Secretary, Sidney A. Gauthreaux, Jr., Department of Zoology, Clemson Univ., Clemson, SC 29631.

"GRADUATE PROGRAMS IN ANIMAL BEHAVIOR: 1981-82": This publication has been prepared by the ABS Education Committee and is available from: Wayne Aspey, Chair, Education Committee ABS, Dept. of Zoology, Ohio State University, Columbus, OH 43210.

LIFE SCIENCES FILMS: A new International Science Film Collection is available. Penn State is distributing video cassettes and 16mm films. For a complete listing of titles and preview/rental/purchase information, contact: Robert Allen, Director, Audio Visual Services, Special Services Building, Penn 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.

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.

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.

FELLOWSHIPS AND POSITIONS AVAILABLE

PRE-DOCTORAL FELLOWSHIPS: The Primate Foundation of Arizona in association with Arizona State University has available pre-doctoral fellowships for the study of chimpanzee behavior. The fellowship term is one year beginning Jan. or Aug. of each year; award amount for 12 months is \$6000. Behavior observation experience is desirable and MS degree or equivalent is preferred. Applications must be received no later than 90 days prior to starting date. Apply now for term beginning August 1982. Send letter of inquiry to: Jo Fritz, Executive Secretary, Primate Foundation of Arizona, P.O. Box 86, Tempe, AZ 85281.

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NATIONAL SCIENCE FOUNDATION: NSF's Division of Behavioral and Neural Sciences is recruiting Intergovernmental Personnel Act assignees for one or two year assignments in key staff positions, beginning August 1982: Program Associate/Assistant for Psychobiology, which requires 6-8 years independent research experience in physiological psychology, animal behavior or brain-behavior research and Program Associate for Neuroscience, which requires 6-8 years independent research experience in developmental neuroscience.

Submit vitae to: NSF, Division of Behavioral and Neural Sciences, Room 320, 1800 G Street, NW, Washington, DC 20550. Attn: Dr. Jim Brown.

For further information call 202-357-7564. NSF is an equal opportunity employer.

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1983 SOLAR ECLIPSE RESEARCH: NSF is responsible for coordinating all U.S. research in conjunction with the total solar eclipse which will occur over Indonesia 11 June 1983. Research related to the solar eclipse is not limited to observations of the eclipse itself and may involve activities in the social, biological and behavioral sciences.

Proposals for research on animal behavior related to the eclipse may be submitted to the NSF Psychobiology Program by contacting Fred Stollnitz, Program Director for Psychobiology, NSF, Washington, DC 20550. Phone: 202-357-7949.

NSF requests that any U.S. group planning to carry out scientific studies related to the eclipse inform Dr. Morris L. Aizenman, U.S. Solar Eclipse Coordinator, Division of Astronomical Sciences, NSF, Washington, DC 20550. He would appreciate receiving the following information: Institution, investigators, title, purpose, literature references, location, dates, equipment, special site requirements, number of people, cooperating groups, special needs, probability of plans being carried out, and source of funds.

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REPORT OF THE PUBLIC AFFAIRS COMMITTEE

The current status of NSF budget for the Directorate for Biological, Behavioral and Social Sciences for FY 82 is still unsettled. The House-Senate Conference on the FY 82 appropriation bill for NSF indicated a total of \$172 million for BBS plus \$20 million for NSF to divide among all research directorates. Just how NSF will be affected by the 12% additional reduction proposed by the President on 24 Sept. 1981 is unclear. We can anticipate difficult times ahead for the BBS directorate, which incorporates programs of most interest to animal behavior researchers. (12/8/81)

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ELECTION OF MEMBERS OF THE U.S. ETHOLOGICAL CONFERENCE COMMITTEE

The following three persons have been elected by the ABS membership for a six-year term each: Stuart Altmann, Donald Dewsbury, and Stephen T. Emlen.

The continuing members of the Committee are: Marc Bekoff, Lee C. Drickamer, Gilbert Gottlieb, John A. King, Devra Kleiman, and Frank McKinney.

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ABS ARCHIVES

The following materials are needed to complete our files for the archives:

Newsletters (Vol. 12, No. 3, 1967; Vol. 23, No. 4, 1978; Vol. 24, No. 1, 1979);  
Annual Meeting Programs and/or abstracts (1971, Utah State, prog. & abstr.; 1972, Univ. Nevada, prog. & abstr.; 1974, Illinois, abstr.; 1978, Seattle, abstr.; 1980, Ft. Collins, abstr.).

If you can help by donating any of these materials to ABS, please contact Martin Schein, ABS Historian, Dept. of Biology, West Virginia Univ., Morgantown, WV 26506, (304)293-5201.

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HOUSING AND REGISTRATION INFORMATION  
1982 ABS MEETING, THE UNIVERSITY OF MINNESOTA, DULUTH  
August 15-20, 1982

LOCATION: The host institution is The University of Minnesota, Duluth.

PRE-REGISTRATION: You are urged to pre-register by completing the form in this Newsletter. Fees are \$32.00 for regular members, \$18.00 for student members, and \$40.00 for non-members. These fees include use of student health services and campus recreational facilities including basketball, tennis, and track, gym, etc.: indoor pool available at nominal fee.

TRANSPORTATION: Bus transportation will be provided from the Duluth Airport to the UMD campus for all incoming flights on Sunday, August 15 and the first two flights on Monday, August 16. The cost will be \$1.00. Please gather at the ABS sign in the baggage area at the airport. For those arriving at other times, taxi service is available; current one-way fare is \$8.00 to UMD. The cost can be divided among the passengers. The cabs will take up to 4 persons at a time hence the cost could be as low as \$2 per person. Major rental car agencies are located at the airport. If you wish to rent an auto, please make your reservations in advance. There are numerous places of interest to visit in the area so a car might be useful if you are in the sight-seeing mood.

All incoming flights to Duluth are routed through Minneapolis. Republic Airlines is the only carrier serving Duluth. There are only 4 incoming flights a day into Duluth so make your reservations early.

At present there is AmTrak service into Duluth from St. Paul. There is only one train a day. However, due to financial instability, it is not certain if the train service will be operating in August. If you are a train enthusiast, the run from St. Paul to Duluth is spectacularly beautiful. It might be worth considering if the service is still existent.

Greyhound bus service is also available.

REGISTRATION: The registration desk will be located in the lobby of Lake Superior Hall from noon until 10:00 P.M. on Sunday, August 15; from 9:00 A.M. to 6:00 P.M. on Monday, August 16; and from 9:00 A.M. until 2:00 P.M. on Tuesday and Wednesday. Indicate on the registration form if you will arrive after registration closes and provision will be made for access to the dormitory.

PARKING: Free parking will be available adjacent to the campus accommodations.

HOUSING: Three types of housing are available. There are single and double rooms in Lake Superior Hall as well as 50 apartments. These apartments will house up to 4 people. They include a kitchen. If you want to use the kitchen, you must supply your own utensils. In all three settings, linen and towels and drinking utensils are provided. There are no phones in the rooms. No pets are allowed. Daily rates: single \$12.00; double - \$7.50; and apartments - \$40.00. There is also a 10% state tax on room and meals. We have set apart 50 apartments. They will be assigned as registrations are returned. If you want one, please send your registration back promptly.

OFF-CAMPUS HOUSING: A list of Duluth motels and campgrounds will be sent with registration confirmation. Reservations at off-campus locations are the responsibility of the participant. Campgrounds are available nearby.

MEALS: A meal plan is being provided. The food service at UMD is excellent (I ought to know as my father is a food service director). Meals will include breakfast, lunch and dinner on August 16-19, (excluding the evening of August 15) and breakfast and lunch on August 20. The cost is \$55. Meals will also be available on an ala carte basis.

It should be noted that most of Duluth's restaurants are concentrated downtown. That is about 3 miles from campus. There is one restaurant within a 10 minute walk from campus.

BARBECUE: To be held on Sunday evening, August 15. The location will be announced at registration check-in. The cost of the chicken barbecue will be \$8.00/person. The cost includes beer. Please indicate on the registration form the number of tickets you desire. Availability of tickets for the barbecue can only be guaranteed if paid in advance. The barbecue will be held at 6:30 P.M.

After the barbecue, there will be a slide show and speakers covering Duluth's heritage in Bohannon 90 at 8:30 P.M. This information should aid you in enjoying your stay in the Arrowhead Region of Lake Superior.

BANQUET: A banquet will be held on Wednesday evening, August 18. The banquet will be a Scandanavian Smorgasbord featuring local specialties such as a variety of fish from Lake Superior and wild rice. Prior to the banquet there will be a cocktail hour. The cocktail hour is open to all and cost is included in your registration. Following the banquet, there will be a Polka Dance. Tickets for both the banquet and the dance will be sold separately. The cost of the dance also includes beverages.

HARBOR CRUISE: On Thursday, August 19 a harbor cruise is available. The cruise time will be announced. The cruise will be on the Vista cruise ship and on board will be a dance band and a cash bar. Transportation to and from the harbor will be provided. Unfortunately, only 200 people can be accommodated so if you would like to go, please indicate so on the registration form.

SESSIONS: All sessions will be held on campus. All the campus buildings are interconnected and maps will be provided upon registration.

FIELD TRIPS: The following are planned and others may be available at registration. Please indicate those you are interested in by checking the respective numbers on the registration form. More information will be provided for those who indicate an interest.

- 1) Friday, August 20, 1982 Trip to Isle Royale from Grand Portage. Transportation cost varies from \$20-\$30 per person to and from Isle Royale. Twenty or forty mile hikes through the area. Overnight stay - own camping equipment and food necessary.
- 2) Friday, August 20, 1982. Trip to Boundary Waters Canoe Area Sawbill Trail area. Outfitting with canoes and all other necessary equipment and food \$22.50 per person per day. The length of your trip is open to meet your desires.

IMPORTANT NOTES: Weather: Duluth is referred to as the air-conditioned city of the north. The weather in August is usually pleasantly warm - 70's and the nights cool - 50's. So please bring warm clothes for the evenings.

CLEAN INDOOR AIR ACT: Minnesota has a strictly enforced clean air act. This means that smoking is absolutely forbidden except in clearly designated places. You may smoke in your rooms. Unless you see a sign saying, "Smoking Permitted", you may not smoke. If you do smoke, be sure to request the smoking section in local restaurants.

DAY CARE: We will be happy to provide licensed day care for your children. However, we need to know in advance how many of you plan to use the service. We will provide day care only for those who request it on the registration form.

EXHIBITS: A book and equipment exhibit is planned. Potential exhibitors should contact Professor Kamal Gindy, Department of Psychology, UMD, Duluth, MN 55812.

CONFERENCE REGISTRATION: 1982 ANIMAL BEHAVIOR SOCIETY MEETINGS

DULUTH, MINNESOTA August 15-20, 1982

This form (or a copy) with fee, should be received no later than May 15, 1982. A \$5.00 late charge will be assessed after this date.

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

(CITY)

(STATE)

(ZIP)

Registration Fee: Regular Member - \$32 \$ \_\_\_\_\_  
 Student Member - \$18 \$ \_\_\_\_\_  
 Non-Member - \$40 \$ \_\_\_\_\_

Indicate the events in which you plan to participate.

Sunday - 8/15/82 Outdoor Bar B.Q. \$8.00 x \_\_\_\_\_ tickets \$ \_\_\_\_\_  
 Wednesday - Banquet 8/18/82 10.00 x \_\_\_\_\_ tickets \$ \_\_\_\_\_  
 Dance 8/18/82 5.00 x \_\_\_\_\_ tickets \$ \_\_\_\_\_  
 Thursday 8/19/82 Harbor Cruise \_\_\_\_\_  
 (check if interested)  
 Field Trips: Isle Royale \_\_\_\_\_  
 Canoe Trip to BWCA \_\_\_\_\_

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DORMITORY REGISTRATION

Please reserve the following room(s) as indicated.

Date		Accommodations	Rate	Number of Nights	
_____	_____	Double Occupancy	7.50 + 10% tax night	_____	\$ _____
_____	_____	Single Occupancy	12.00 + 10% tax	_____	\$ _____
_____	_____	Apartments (up to 4 persons apartment)	40.00 + 10% tax	_____	\$ _____

\*Arrangements have been made to share the room with: \_\_\_\_\_

DAY CARE SERVICES

For children 2 years and older. Hours: 8:00 a.m. - 5:00 p.m. (Monday-Friday) Lunch and 2 snacks will be provided. Cost \$10.00 per day per child. List names and ages of children. Payment must be received no later than June 1, 1982.

\_\_\_\_\_ \$ \_\_\_\_\_  
 \_\_\_\_\_ \$ \_\_\_\_\_  
 \_\_\_\_\_ \$ \_\_\_\_\_  
 COMPLETE TOTAL \$ \_\_\_\_\_

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MAIL THIS FORM TO: Dr. Mitzi Doane, ABS Conference, Department of Psychology  
 University of Minnesota, Duluth, Duluth, MN 55812.

BALLOT: 1981-1982 GENERAL ELECTION OF ANIMAL BEHAVIOR SOCIETY OFFICERS

INSTRUCTIONS:

Only Members, Student Members, and Fellows of the Animal Behavior Society are eligible to vote in this election.

Please fill out the ballot, detach and mail it in an envelope bearing your name to: Sidney A. Gauthreaux, Secretary, Animal Behavior Society, Department of Zoology, Clemson University, Clemson, SC 29631, by 31 March 1982.

You may cast write-in votes. You may indicate a first and second choice from among the candidates for each office. Ballots submitted without the voting member's name on the envelope cannot be counted.

Please vote. Only 22-27% of the membership voted in the ABS general elections in 1978-1980.

The results will be announced in the May 1982 ABS NEWSLETTER. The elected officers will assume office at the end of the ABS Annual Meeting, August 1982.

FOR SECOND PRESIDENT-ELECT:

Colin Beer \_\_\_\_\_

H. B. Graves \_\_\_\_\_

William Mason \_\_\_\_\_

FOR EDITOR:

Patrick Colgan \_\_\_\_\_

Alan C. Kamil \_\_\_\_\_

Martin W. Schein \_\_\_\_\_

FOR TREASURER:

H. Jane Brockmann \_\_\_\_\_

Zuleyma Tang Halpin \_\_\_\_\_

FOR MEMBER-AT-LARGE:

Carl D. Hopkins \_\_\_\_\_

Sarah Lenington \_\_\_\_\_

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This ballot should be mailed in an envelope bearing the voting member's name by 31 March 1982 to:

Sidney A. Gauthreaux, Secretary  
Animal Behavior Society  
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.

PLEASE COPY AND DISTRIBUTE

SIDNEY A. GAUTHREAU, JR., Secretary  
Animal Behavior Society  
Department of Zoology  
Clemson University  
Clemson, South Carolina 29631

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