

# NEWSLETTER

## Animal Behavior Society

Vol. 31, No. 1  
February, 1986  
A quarterly publication

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### MIDWEST REGIONAL ANIMAL BEHAVIOR MEETING

Central Michigan University will be hosting the 1986 Midwest Regional Meetings 18-20 April at the Holiday Inn in Mt. Pleasant, Michigan. Graduate student attendance is encouraged. Events include: Keynote Address by Charles C. Carpenter of the University of Oklahoma entitled 'From beach pools to beer cans: what happened to that kid who chased snakes?' (History of reptiles in behavioral research); three planned contributed paper sessions; socials and banquet. The Host should receive Titles and Abstracts by 14 March. For information and submittals contact James C. Gillingham, Dept of Biology, Central Michigan Univ, Mt. Pleasant, MI 48859. Phone: (517) 774-3291.

### ABS ANNUAL MEETING --UNIV OF ARIZONA IN TUCSON 8-13 JUNE

Hosted by Astrid Kodric-Brown (Dept of Ecol & Evol Bio)-(602) 621-7508. Registration materials and information are included in this Newsletter PAGES 6-13.

**KEYNOTE ADDRESS-** John R. Krebs of the Edward Grey Institute of Field Ornithology will present 'Behavioral Ecology- Past and Present'.

**INVITED PAPER SESSION-** Behavioral Adaptations of Desert Animals organized by Jan A. Randall (Central Missouri State University). Papers include: Physiological problems, behavioral solutions and the temperate distribution limits of the bat, *M. californius* (Gary Bell); Vibration sensitivity and predatory habits of a nocturnal sand scorpion (Philip Brownell); High, short season, patchy deserts: causes of active foraging in an ambusher (David Duvall, M. King, B. Graves, D. Chiszar); Alternative mating strategies of desert grasshoppers: influences of host-plant distribution and variation (Michael Greenfield); Comparison of communication in kangaroo rats: sandbathing, urine-marking, and footdrumming (Jan Randall); Spider conflict over sights of differing value in a desert habitat (Susan Riechert); Differences in colony foundation, worker size variance and foraging behavior of sympatric, desert, seed-harvesting ants (Steven Rissing); Social communication in horned lizards: the behavioral consequences of diurnal foraging on exposed desert terrain (Wade Sherbrooke); Pulsed parasite transmission correlated with reproductive behavior of desert amphibians (Richard Tinsley); and Avian reproduction: temporal organization in arid environments (Carol Vleck).

**INVITED PAPER SESSION-** Margaret Altmann Memorial on Ungulate Behavior organized by Harry Frank (University of Michigan-Flint). For a brief biography of Margaret Altmann, see PAGE 15 of this Newsletter. Papers include: Demographic consequences of social competition in wild horses (Joel Berger); The behavior of moose at natural salt licks in Quebec (Serge Couturier & Syrille Barrette); Sexual selection, despotic competition and horn mimicry in Bovidae (Richard

Estes); Bones of contention revisited: did antlers enlarge with sexual selection? (Valerius Geist); Male ungulates who do not flehemen: correlations with alteration in vomeronasal system anatomy (Ben Hart & Lynette Hart); Species specific pattern of chemosensory communication: relation to social behavior (L. Hart & B. Hart); Predator-prey interactions in captivity: wolves and bison (Erich Klinghammer); Socio-ecology of American bison (Dale Lott); Rutting behavior of moose in central Alaska (Victor Van Ballenberghe); and Social attachment and organizational pattern in the family Equidae (George Waring). Additional papers are being reviewed.

**OTHER HIGHLIGHTS:** Allee Award; Founders Award competition (for best poster presentation, with this first year in memory of Ed Banks); the ABS Film and Jack Ward Film Awards Festival; field trips to Arizona-Sonora Desert Museum, the Presidio, Nogales, and the Southwestern Research Station of the AMNH; socials; banquet; and many points of interest in Tucson. Details are on PAGES 6-8 of this issue. Information on abstracts and transmittals was published in the November 1985 Newsletter.

**ALLEE COMPETITORS:** A reminder that your written manuscript must be received by Sidney Gauthreaux, Jr., Dept of Zoology, Clemson Univ, Clemson SC 29631 by 1 MARCH 1986.

### MISUSE OF THE ANIMAL BEHAVIOR SOCIETY NAME

The Executive Committee recently passed the following Policy statement concerning use of the ABS name: "Any apparent misuse of the Society's name should be brought to the attention of the President. The President should instruct the user that the use of Animal Behavior Society affiliations in any commercial venture should be accompanied by a disclaimer that such advertisement does not signify endorsement by the Society." The Executive Committee also clarified that advertisement materials at the national meeting are to be confined to the Host-designated exhibit area and that exhibitors fees are charged.

### AD HOC ABS COMMITTEE DESIRES YOUR INPUT

The Executive Committee formed an ad hoc committee to look into three particular issues. The committee requests your comments on the following. 1. Certification of Animal Behaviorists: need, goals of the Society, who should be certified, criteria and levels of certification, need for a standing committee. 2. Misuse of the ABS name: need for additional policy (see above), need for a standing Ethics committee. 3. Divisions of ABS: need for divisions within the Society, is the Society presently flexible enough to accommodate different interests in animal behavior? Send your comments to Philip Lehner, Chair- ABS Ad Hoc Committee, Dept of Zoology, Colorado State Univ, Fort Collins CO 80523.

## ANIMAL WELFARE ACT AMENDMENT

In late October 1985, Senator Dole offered an animal welfare amendment as part of the Senate farm bill. The amendment was a revision of his earlier proposal (S.1233) and sought to improve the standards of treatment of laboratory and research animals. Animal welfare proposals have received favorable treatment in both the House and Senate. The conference committee appointed to resolve the differences in the House and Senate versions of the 1985 Farm Bill approved in mid-December a revised Animal Welfare Act amendment. The resulting amendment maintained the intent of the "Improved Standards for Laboratory Animal Act" introduced by Senator Dole and Representative George Brown. Following the celebrated action by Congress, Agricultural Secretary John Block announced the President would sign the farm bill. The bill was signed into law by President Reagan on 23 December 1985.

The revisions in the Senate amendment approved in Conference include: 1) protection of research design and performance as well as trade secrets, 2) requirement that the USDA Secretary consult with the Secretary of Health and Human Services in an effort to promulgate conforming regulations, and 3) recognition of the important role of the attending veterinarian as to the medical treatment and care of research animals.

USDA regulations stemming from the revisions to the Animal Welfare Act are expected to be consistent with the Public Health Service guidelines adopted by NIH. National Science Foundation policy on the use of animals in research has recently been revised coordinate with the new PHS guidelines.

---Submitted by Geo. H. Waring, Chair, ABS Public Affairs Committee

## NEW GUIDE FOR THE CARE AND USE OF LAB ANIMALS

The 1985 revision of the National Research Council's Guide for the Care and Use of Laboratory Animals is now available. Single copies can be obtained free of charge by writing the Institute of Laboratory Animal Resources, National Research Council, 2101 Constitution Ave N.W., Washington D.C. 20418. Multiple copies may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington D.C. 20402. The cost is \$2.25 each. The GPO publication number is 017-040-00498-2.

Changes in the Guide involve mainly reorganization of some sections for greater clarity. There have been some changes in space and cage size recommendations and some revision of lighting and ventilation guidelines. The membership of institutional animal care and use committees is discussed in more detail as are the duties of such committees. Several documents including the new PHS policy on the care and use of animals and the recent "U.S. Government Principles for the Utilization and Care of Vertebrate Animals Used in Testing, Research and Education" are published as appendices to the guide.

---Submitted by Janis Driscoll, Chair, ABS Animal Care Committee.

## ABS ANIMAL CARE GUIDELINES

Copies of the guidelines are available from the ABS Animal Care Committee Chair, Janis Driscoll, Dept Psychology, Univ of Colorado, Denver Co 80202. Guidelines were published in the May 1985 ABS Newsletter. An update of the guidelines should be completed soon.

## SOCIETY PROCEDURES FOR RESOLUTIONS

According to guidelines of the Animal Behavior Society (see Feb '84 Newsletter), resolutions to be introduced at the Annual Business Meeting at Tucson in June should be submitted in writing by 9 April to the Chair of the ABS Public Affairs Committee, George Waring, Dept of Zoology, Southern Illinois University, Carbondale IL 62901 Tel: (618) 536-2314.

## 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. If you wish to comment on the relationship between ABS and ASZ, contact your ABS representatives: Sidney Gauthreaux, Jr. (Dept of Zoology, Clemson University, Clemson SC 29631) and Zuleyma Halpin (Dept of Biology, University of Missouri, St. Louis MO 63121).

## DIAN FOSSEY SLAIN IN AFRICA

Dian Fossey, an American naturalist who spent most of the past 18 years befriending and defending Rwanda's rare mountain gorillas, was killed by attackers at her remote mountain cabin. A Nairobi-based Rwandan diplomat, Gregoire Karambizi, said the killing was reported on state-run Radio Rwanda. Radio station employees said few details about the attack were known. No arrests had been made but an investigation was under way.

---From an AP release 29 Dec 1985

## 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 of Zoology,  
Univ of Florida, Gainesville FL 32611

ABS NEWSLETTER & correspondence to the Society- deadline for May Newsletter is 1 April :

Terry Christenson, Dept of Psychology  
Tulane University, New Orleans LA 70118

## CONTRIBUTIONS TO NEWSLETTER WELCOME

The Secretary thanks Alison Hartman for help with this Newsletter. We would be pleased to receive materials for the next ABS Newsletter by 1 April 1986 and the ASZ Divisional Newsletter by 1 April. Send to Terry Christenson, ABS Secretary, Dept of Psychology, Tulane University, New Orleans LA 70118.



## POSITIONS AVAILABLE

### ANIMAL BEHAVIORIST

The Section of Neurobiology and Behavior at Cornell University seeks to fill a tenure-track assistant professorship in the area of animal behavior. Preference will be given to candidates whose work incorporates a strong evolutionary perspective. Applicants should send their CV, a statement of past teaching and research experience, reprints and preprints of recent research, a statement of future plans, and names of three persons who have been requested by the candidate to send letters of recommendation to Animal Behavior Search Committee, Section of Neurobiology and Behavior, W363 Mudd Hall, Cornell University, Ithaca NY 14853. Review of candidates will begin 1 Feb 1986.

### NEUROETHOLOGY AND BEHAVIORAL GENETICS

The Department of Biology, University of Miami, is seeking to fill two tenure-track positions at the level of assistant or associate professor. Position 1: Neuroethologist working at the cellular level. Position 2: Geneticist working in areas of development or gene expression as they relate to behavior. Applicants should submit a brief statement of research plans and interests, curriculum vitae, and two reprints, and have three letters of reference sent to Search Committee, c/o Peter Luykx, Dept of Biology, University of Miami, Coral Gables, FL 33124. Deadline 14 Feb 1986.

### BEHAVIORAL BIOLOGIST

The Dept of Biology, Davidson College, is seeking candidates for a one year teaching position. The position will require teaching animal behavior, vertebrate field zoology and one introductory biology course. Candidates should send a letter of teaching experience, curriculum vitae and reprints to John Williamson, Dept of Biology, Davidson College, Davidson NC 28036.

## OPPORTUNITIES

### POSTDOCTORAL AND VISITING SCIENTIST POSITIONS

Postdoctoral and salaried Visiting Scientist positions for faculty members on leave are available to study the effects of pharmacological agents and ionizing radiation on rodent social and aggressive behavior. These positions are available for periods ranging from six months to four years. Contact Michael R. Landauer, Dept of Behavioral Sciences, Armed Forces Radiobiology Research Institute, Bethesda MD 20814-5145 Tel: (202) 295-0489/0114.

### TWO GRADUATE RESEARCH ASSISTANTSHIPS

(M.S. or Ph.D.) available fall 1986 to work on the behavior/ecology of migratory birds. One position emphasizes orientation/navigation. The other emphasizes field research on the en route behavioral ecology of trans-Gulf migrants. Background in behavior and avian biology desirable. Stipends between \$8,000 and \$9000. Send letter of interest and request for further information to Frank R. Moore, Dept of Biological Sciences, Univ of Southern Mississippi, Hattiesburg MS 39406-5018 Tel: (601) 266-4923/4748.

### POSTDOCTORAL RESEARCH TRAINING FELLOWSHIPS

available for qualified individuals with M.D. or Ph.D. degrees interested in research careers in Developmental Psychobiology with special emphasis on the development of maladaptive behavior. Special interest areas include: schizophrenia and depression, behavioral immunology, perceptual and cognitive development, and socio-emotional and family development.

Fellowships will be awarded for 1 year beginning Summer 1986 with a possible 1 year renewal, pending availability of funding. Application deadline is 1 March. For more information contact Martin Reite, Dept of Psychiatry, University of Colorado School of Medicine, Box C268, 4200 East Ninth Ave, Denver CO 80262.

### PRE-DOCTORAL FELLOWSHIP

The Primate Foundation of Arizona, in association with Arizona State University, has available pre-doctoral fellowships for the study of chimpanzee behavior. Foundation goals are to improve the quality of life and reproductive potential for all captive chimpanzees. Two annual fellowships are offered for 12 months; award amount is \$9,000. Deadline 31 March for period beginning 1 July. Contact Jo Fritz, Primate Foundation of Arizona, PO Box 86, Tempe AZ 85281.

### GRADUATE RESEARCH ASSISTANTSHIP

Support is available for three years for a graduate student to assist with a behavioral analysis of worker specialization in social wasps in Costa Rica and to complete work leading to Ph.D. Prefer applicant who has already completed the MS degree. Field experience and strong background in behavior, zoology, and/or entomology desired. Start Sept 1986; stipend \$10,214/year. For more information contact Robert L. Jeanne, Dept of Entomology, Univ of Wisconsin, Madison WI 53706 (608) 262-0899.

### VOLUNTEER FIELD ASSISTANTS

Three 6-week (approx.) field positions starting 15 April 1986. Project on sexual selection and the mating systems of the San Pedro side-blotched lizard on the uninhabited Isla San Pedro Martir, Gulf of California, Mexico. Living conditions primitive; subsistence will be provided. Status of project funding is pending and assistants who can pay for own transportation to Bahia Kino (Sonora) may receive special consideration. Send resume plus names and phone numbers of at least three references to Diane K. Hews, Dept of Zoology, Univ of Texas, Austin TX 78712-1064. Applications due by 20 March 1986.

### FIELD WORK IN ANIMAL BEHAVIOR- SUMMER COURSE

Three week course of travel and study within the national parks and wildlife reserves of Kenya, East Africa, commencing in early July. Credit available; 15 student limit; early applications recommended. Contact M. J. Marr, School of Psychology, Georgia Institute of Technology, Atlanta GA 30332.

### VOLUNTEER POSITIONS

Approx. 20 volunteer positions are open this summer at the Southwestern Research Station of the American Museum of Natural History in Portal, AZ. Food and lodging at the station are provided to volunteers in exchange for 4 hours per day of routine work chores, leaving other time free for research activities. For application forms contact Resident Director, Southwestern Research Station of AMNH, Portal AZ 85632 Tel: (602) 558-2396.

### WILDLIFE REHABILITATION IN THE AMAZON

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

## MEETINGS

INTERNATIONAL SYMPOSIUM ON WORLD CONSERVATION STRATEGIES FOR TIGERS-13-17 April at the Minnesota Zoological Garden. Contact Ronald Tilson, Minnesota Zoological Garden, Apple Valley MN 55124.

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

1986 ECOLOGY OF SOCIAL BEHAVIOR CONFERENCE- 5-7 June, Northern Arizona University, Flagstaff. For information contact Con Slobodchikoff, Dept Biology, Northern Arizona University, Flagstaff AZ 86011.

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 AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS- 15-21 June, University of Victoria. Contact Pat Gregory, Dept of Biology, Univ of Victoria, Victoria, British Columbia, Canada V8W2Y2.

SNAKE BEHAVIOR AND ECOLOGY symposium at the ASIH meeting, 15-21 June at the University of Victoria, Victoria, British Columbia. Topics to be discussed: social behavior and reproduction, feeding behavior and ecology, physiological ethoecology, and population biology. Contact Neil B. Ford, Dept of Biology, University of Texas at Tyler, Tyler TX 75701.

AMERICAN ARACHNOLOGICAL SOCIETY 18-22 June at Lindenwood College, St. Charles MO. Contact Bill Tietjen, Dept of Biology, Lindenwood College, St. Charles MO 63301.

INTERNATIONAL SYMPOSIUM ON VIOLENCE AND AGGRESSION- 22-25 June in Saskatoon. Contact David Keegan, Dept of Psychiatry, Univ of Saskatchewan, Saskatoon, Saskatchewan Canada S7N 0W0.

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.

CURRENT PERCEPTIONS OF TERRITORIAL BEHAVIOR- poster symposium and round-table discussion at the 1986 IOC meeting, 22-29 June, Ottawa Canada. Organized by Patrick Weatherhead and Mark Finke. Topics to be considered include territory exclusivity, space utilization, and defense in relation to resource availability. Contact Mark Finke, Kodak Research Labs, 1999 Lake Ave, Rochester NY 14650.

1986 XI CONGRESS OF THE INTERNATIONAL PRIMATOLOGICAL SOCIETY 20-25 July, Gottingen, FR Germany. Contact 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.

DELTA SOCIETY INTERNATIONAL CONFERENCE- 20-23 August in Boston. Topics to be covered in this conference are diverse, including any area involving interaction of people with animals or with nature. Contact Lynn Grotzky, Delta Society, 212 Wells Ave South, Suite C, Renton WA 98055-2130.

INTERNATIONAL SOCIETY FOR NEUROETHOLOGY CONGRESS- 1-6 Sept, Tokyo, Japan. Plenary sessions include: Neural processing of sensory information (Huber, Konishi, Heiligenberg); Learning and neural plasticity (Kandel, Kubota, Menzel); Motor program generation and modulation (Hisada, Pearson, Grillner); Neurogenetics and behavior development (Hotta, Truman, Brenner); Neuroethology and human behavioral biology (Kety, Squire, Mishkin, Rolls); Behavioral rhythms (Chiba, Daan, Takahashi). Many more presentations are planned. Contact Kiyoshi Aoki, Life Science Institute, Sophia University, Chiyoda-ku, Tokyo, 112, Japan.

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

AMERICAN ASSOCIATION OF ZOOLOGICAL PARKS AND AQUARIUMS- 14-19 Sept hosted by the Minnesota Zoological Garden. Contact Steve Iserman, Minnesota Zoological Garden, 12101 Johnny Cake Ridge Rd, Apple Valley MN 55124.

1986 ASZ MEETINGS- 27-30 Dec, Nashville. Contact Mary Adams-Wiley, ASZ, Box 2739, California Lutheran College, Thousand Oaks CA 91360.

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 1987 ABS meetings to be held at Williams College 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 1987 New Orleans ASZ meetings, contact Mary Adams-Wiley at the ASZ, PO Box 2739, California Lutheran College, Thousand Oaks CA 91360.

### ABS MEETING SITES SOLICITED

If you are interested in discussing the hosting of an ABS national convention, contact the ABS President, Jeanne Altmann, Dept of Conservation Biology, Chicago Zoological Society, Brookfield IL 60513 (312) 485-0263 ext 438; or contact the ABS Program Officer, Lee Drickamer, Dept of Biology, Williams College, Williamstown MA 01267 (413) 597-2223. It is never too early to discuss your thoughts and begin planning.

## AWARDS

The Manomet Bird Observatory has announced the Kathleen S. Anderson Award for avian research. The purpose of this award is to encourage research particularly in migration, feeding ecology, habitat fragmentation, populations, competition, shorebirds, and endangered species. A total of \$1000 awarded annually; any person, of any age, is eligible. Proposals due 10 March 1986. Contact K.S. Anderson Award, Manomet Bird Observatory, Box 936, Manomet MA 02345 (617) 224-6521.

## ANNOUNCEMENTS

### HOME RANGE ANALYSIS SOFTWARE 'McPAAL'

McPAAL is a menu-driven software package for IBM-PC compatible micro-computers that analyses animal locations with Convex Polygon, Concave Polygon, 95% Ellipse, Fourier and Harmonic Mean methods. Remit check (payable to National Zoological Park) of \$15 for a disk and manual to Michael Stuwe, Conservation and Research Center, NZP, Front Royal VA 22630 Tel: (703) 635-4166.

### BITNET COMPUTER NETWORK

The BITNET computer network allows rapid communication, especially with those abroad. Many North American and overseas universities are linked by BINET or other networks. However, there seems to be no directory which would provide names and network "addresses" of users. Those interested in BITNET or contributing to a users directory, contact Judith Gibber, Center for Studies in Behavioral Neurobiology, Concordia University, 1455 de Maisonneuve Blvd. West, Montreal, Quebec, Canada H3G1M8.

### ANIMAL BEHAVIOUR: BACK ISSUES NEEDED

The Sandy Hook Marine Laboratory library was destroyed by fire. Donations would be appreciated. Contact Anne Studholme, Northeast Fisheries Center, Sandy Hook Laboratory, Highlands NJ 07732.

### ANIMAL BEHAVIOUR: TRADE ISSUES

Would like to trade certain issues. Needed are: 24: 2,3,4; 26: 1-4. Have duplicates of: 16: 1-4; 17: 1; 18: 1,2; 19: 1-4; and 23: 1,2,4. Contact William Post, Charleston Museum, 360 Meeting St., Charleston SC 29403.

### 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.

### ABS GRADUATE PROGRAMS IN ANIMAL BEHAVIOR

For a fee of \$8, copies may be ordered from the Chair of the ABS Education Committee, Daniel Estep, Dept of Psychology, Univ of Georgia, Athens GA 30602.

### WORKSHOP: APPLYING BEHAVIORAL RESEARCH TO ZOO ANIMAL MANAGEMENT

National workshop hosted by the Woodland Park Zoological Gardens, Seattle, 19-26 July 1986. Workshop organized by Michael Hutchins and Carolyn Crockett, Dept of Psychology, Univ of Washington and Billy Karesh of the Woodland Park Zoo. Enrollment limited. Registration for the 8-day workshop is \$75 until May 15. Priority given to zoo staff from AAZPA accredited institutions. Contact Michael Hutchins, Dept of Psychology, Univ of Washington, Seattle WA 98195.

## MEMBERSHIP IN OTHER SOCIETIES

### INTERNATIONAL SOCIETY FOR NEUROETHOLOGY

The purpose of this society is to advance the understanding of the neural basis of behavior in all animals. This is a new society that is actively seeking members. Membership is open (by nomination) to scientists and students; current fee is \$20 per year. Contact H. Carl Gerhardt, Div of Biological Sciences, Univ of Missouri-Columbia, Columbia MO 65211.

### AMERICAN SOCIETY OF ZOOLOGISTS

Join ASZ and receive American Zoologist, Newsletters from the society, discounts on some journals, special bulletins, and more. Annual dues are \$48 for a regular member and \$20 for graduate student members. For more information contact Mary Adams-Wiley, ASZ, Box 2739 California Lutheran College, Thousand Oaks CA 91360.

### SOUTHWESTERN COMPARATIVE PSYCHOLOGY ASSOCIATION

Information may be obtained from Michael Domjan, Dept of Psychology, Univ of Texas, Austin TX 78713-7789.

### INTERNATIONAL SOCIETY FOR COMPARATIVE PSYCHOLOGY

For information contact Ethel Tobach, ISCP President, American Museum of Natural History, Central Park West at 79th St, New York NY 10024.

### 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 Univ, 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: (1985-88) H. Jane Brockmann, Dept of Zoology, Univ of Florida, Gainesville FL 32611  
PROGRAM OFFICER: (1983-86) Lee Drickamer, Dept of Biology, Williams College, Williamstown MA 01267  
\*PROGRAM OFFICER:(1986-89) Susan Riechert, Dept Zoology, Univ of Tennessee, Knoxville TN 37916  
PARLIAMENTARIAN: (1983-86) Edward H. Burttt, Jr., Dept Zool, Ohio Wesleyan Univ, Delaware OH 43015  
\*PARLIAMENTARIAN: (1986-89) Edward H. Burttt, Jr., Dept Zool, Ohio Wesleyan Univ, Delaware OH 43015  
EDITOR: (1985-88) Charles Snowdon, Dept Psychology, Univ of Wisconsin, Madison WI 53706  
MEMBER-AT-LARGE: (1983-86) Philip Lehner, Dept Zool. Colo State Univ, Fort Collins CO 80523  
MEMBER-AT-LARGE: (1984-87) Joan S. Lockard, Dept Neur. Surgery, Univ Washington, Seattle WA 98195  
MEMBER-AT-LARGE: (1985-88) Gail Michener, Dept Biol Sci Univ of Lethbridge, Lethbridge Alberta, Canada T1K 3M4  
\*MEMBER-AT-LARGE (1986-89) Jan Randall, Biology Dept, Central Missouri State Univ, Warrensburg MO 64093

## ANNUAL ANIMAL BEHAVIOR SOCIETY CONVENTION 8-13 JUNE

### HIGHLIGHTS

This year's meeting will be held on the campus of the University of Arizona, in Tucson. The U of A is the original land grant college of Arizona, established in 1885. Its present enrollment is approximately 35,000 students. The university is known for its outstanding programs in planetary science, optical sciences, ecology and evolutionary biology and geosciences. A number of museums and exhibits on campus are recognized nationally: the Center for Creative Photography with its archival collection of Ansel Adams prints, the Flandrau Planetarium, the Arizona State Museum, among others, are well worth seeing.

Dr. John R. Krebs from the Edward Grey Institute of Field Ornithology in Oxford, England, will present the Key Note Address at this year's meeting. This year for the first time a Founder's Award will be given for the best poster presentation. Among the highlights of this year's meeting will be field trips to several unique regional sites, including the Arizona-Sonora Desert Museum, Old Tucson, Nogales, Mexico, The Presidio in downtown Tucson, and the Southwestern Research Station of the American Museum of Natural History.

### CLIMATE

Tucson is located in the Sonoran Desert, at approximately 2200 feet elevation. The vegetation of this region includes Saguaro cacti, Palo Verde and Ironwood trees, and numerous succulents. In June, daytime temperatures are often above 100°F., while nighttime temperatures are usually in the 70's. When planning for this trip, bring along casual summer clothing. A light-weight sweater or jacket is also recommended as lecture halls and dormitories are air-conditioned and evenings may be cool.

### AIR TRAVEL TO TUCSON

In order to take advantage of the Super Saver fares which require staying over a Saturday night, dormitory rooms will be available on the Saturday preceding and following the conference (June 7 and 14). Inexpensive transportation (\$7.25/person) from the airport to the dormitory or a hotel is available through **Arizona Stagecoach**. Taxis are also available at the airport.

### CAMPUS HOUSING

Arrangements have been made to house conference participants and guests in **Coronado Hall**, an air-conditioned dormitory. Dormitory rates include linens, towels, and soap. The dormitory is located on campus within easy walking distance of lecture halls, restaurants, and stores.

#### RATES:

Single occupancy/day           \$17  
Double occupancy: cost/person/day       \$11

### OFF CAMPUS HOUSING

Hotel accommodations for ABS members are available at the **Plaza Hotel** and **The Holiday Inn**. The **Plaza** is located about one mile (20-minute walk) from the lecture halls on campus. Rates are \$38 for a single room, and \$42 for a double. The **Holiday Inn** is in downtown Tucson. Single rooms are available for \$45 and double rooms for \$55, and include full breakfast and complimentary drinks. Members are responsible for making their own reservations. Be sure to specify that you are a member of the ABS group.

Plaza Hotel (602) 327-7341

The Holiday Inn (602) 624-8711

Summer is the off season for tourism in Tucson. Other hotel accommodations should be readily available at reasonable rates.

## **PARKING**

A parking permit is required if you wish to park on campus. A permit costs \$2/day and allows you to park in any lot. These should be purchased at registration.

## **MEALS**

No arrangements have been made for cafeteria style meals during the conference. Numerous restaurants are located near and on campus, serving a variety of ethnic and fast foods. A list of restaurants will be provided with your registration materials.

## **BUFFET AND BARBECUE**

Sunday, June 8, at 7 pm, there will be a buffet featuring Mexican specialties in the student union. No alcoholic beverages are permitted on campus.

Price: \$8/person.

Friday, June 13, at 6 pm, a western barbecue is planned at Old Tucson ("12 miles and 100 years from town"), a movie location where many westerns, including "The Alamo", were filmed. The cost includes admission, transportation and the meal.

Price: \$15/person.

## **BANQUET**

This year's banquet will be held on Thursday evening (June 12) at **The Holiday Inn**. The cost is \$20/person. The banquet will be preceded by a social hour (with a cash bar) at the hotel. Free transportation will be provided.

## **FIELD TRIPS**

A tentative schedule of field trips includes:

Arizona-Sonora Desert Museum on Tuesday evening at around 6 p.m., when the animals are most active. A special guided tour for ABS members is being arranged. The Desert Museum is a living museum that specializes in exhibits of the animals and plants of the Sonoran Desert. The 14 mile drive to the museum winds through beautiful desert scenery in the Tucson Mountains. From Gates Pass there is an exceptional view of dense Saguaro forests and the surrounding mountains. The cost of the trip includes bus transportation, admission and the tour.

Price: \$10/person.

The Presidio is the historic district of Tucson. A guided tour is scheduled for Thursday morning (8:30 to 11:00 a.m.), and includes a presentation on the history of the area, a tour of Fremont House (the governor's mansion) and other historic adobe buildings, and a visit to the Tucson Art Museum. There will also be an opportunity to shop for authentic, southwestern arts and crafts. The cost of the tour includes transportation and admission.

Price: \$5/person.

Nogales is a town on the Mexican border, perched on a hillside at an elevation of 4500 feet. It is located approximately 60 miles south of Tucson. This is an all day field trip, scheduled for Wednesday, and includes lunch at a Mexican restaurant, tours of a Mexican tile factory and of a furniture factory specializing in fine, hand-carved Mexican furniture, a drive through the residential districts, and free time for shopping.

Price: \$34/person.

Southwestern Research Station, affiliated with the American Museum of Natural History, is located in Cave Creek Canyon in the rugged Chiricahua Mountains of southeastern Arizona (150 miles southeast of Tucson). An overnight fieldtrip is planned for Saturday-Sunday (June 14-15). Cave Creek Canyon is a lush riparian habitat supporting a highly diverse assemblage of plants and animals. It is a popular site for bird-watching because of the large number of Mexican species that inhabit the canyon. The research station will provide meals and lodging (3-5 people per room).

Price: \$35/person.

#### **CHILD DAY CARE**

A list of qualified private babysitters will be available at registration time. Estimated cost is \$2-\$3 per hour.

#### **ATHLETIC FACILITIES ON CAMPUS**

Tennis and racquetball courts, a par course (for jogging and workout), and swimming pools may be available to conference participants.

#### **REGISTRATION**

Registration will begin on Sunday, June 8, from noon till 6:00 pm in the lobby of Coronado Hall. Registration will also be held on Monday through Wednesday, 8:00 am-5:00 pm. Registrants will receive a folder containing abstracts, maps, tickets, a name tag, parking permit, and a list of restaurants and local attractions.

#### **REGISTRATION FEES**

	<u>ABS Member</u>	<u>Non-Member</u>	<u>Student Member</u>
Advance	\$55	\$70	\$35
Late (after May 1)	\$65	\$80	\$45

#### **CANCELLATIONS**

A refund will be given less \$15 processing fee if cancellation notice is received on or before May 15, 1986. Any cancellations after this date will result in forfeiture of the entire registration fee.

#### **TAX DEDUCTION**

Registration fees and cost of travel, meals and lodging may be deducted from your income taxes as an educational expense if undertaken to maintain or improve skills required in your employment or other trade or business.

#### **CHECKLIST**

Make sure that you have completed the following forms:

\_\_\_\_\_ Registration, to be sent to ABS Conference, U of A Conference Dept., Division of Continuing Education, Babcock Building Suite 3201, 1717 E. Speedway, Tucson, AZ 85719. Checks should be made out to **University of Arizona**.

\_\_\_\_\_ Campus housing reservation form should be sent c/o Greg Ziebell, Dept. of Residence Life, Conference Housing, 103 Nugent, University of Arizona, Tucson, AZ 85721. Please do not send payment (payment due at check-in).

\_\_\_\_\_ ABS t-shirt order form and registration for overnight field trip to the Southwestern Research Station, made out to **Margaret Kurzius**, Dept. of Ecology and Evolutionary Biology, University of Arizona, Tucson, AZ 85721.

\_\_\_\_\_ Abstract transmittal form (fill out both sides) + **2 copies of the abstract**, to be sent to **Lee C. Drickamer**, Biology Dept., Williams College, Williamstown, MA 01267.



**REGISTRATION FORM**  
 ANIMAL BEHAVIOR SOCIETY, 22ND ANNUAL MEETING  
 UNIVERSITY OF ARIZONA, TUCSON  
 JUNE 8-13, 1986

Please complete form legibly and return to:

**ABS Conference, University of Arizona Conference Dept., Division of Continuing Education, Babcock Building Suite 3201, 1717 E Speedway, Tucson, Arizona 85719**

Or, you can phone in registration and charge it on your Mastercard or Visa card:

**Phone: (602) 621-1232**

All persons participating in the meeting must register. Advance registration deadline is May 1, 1986. **No registration without penalty after May 1. No refunds after May 15.**

NAME (last) \_\_\_\_\_ (first) \_\_\_\_\_ (mid init.) \_\_\_\_\_  
 INSTITUTION \_\_\_\_\_ (male) \_\_\_\_\_ (female) \_\_\_\_\_  
 MAILING ADDRESS (street/box) \_\_\_\_\_ (city) \_\_\_\_\_  
 (province/state) \_\_\_\_\_ (postal code) \_\_\_\_\_  
 TELEPHONE (work) \_\_\_\_\_ (home) \_\_\_\_\_  
 NAMES OF FAMILY/GUESTS ATTENDING \_\_\_\_\_

<u>REGISTRATION FEES</u>	<u>ABS Member</u>	<u>Non-member</u>	<u>Student Members</u>
Advance	\$55 ( )	\$70 ( )	\$35 ( )
Late (after May 1)	\$65 ( )	\$80 ( )	\$45 ( )

( ) = number requested                      Subtotal                      \$ \_\_\_\_\_

	# of tickets	total
BANQUET (\$20) (Wed)	_____	_____
MEXICAN BUFFET (\$8) (Sun)	_____	_____
WESTERN BARBECUE (\$15) (Fri)	_____	_____

**\*Banquet/picnics subtotal \$ \_\_\_\_\_**

DESERT MUSEUM (\$10) (Tue)	_____	_____
PRESIDIO (\$5) (Thur)	_____	_____
NOGALES (\$34) (Wed)	_____	_____

**\*Field trips subtotal \$ \_\_\_\_\_**

**TOTAL \$ \_\_\_\_\_**

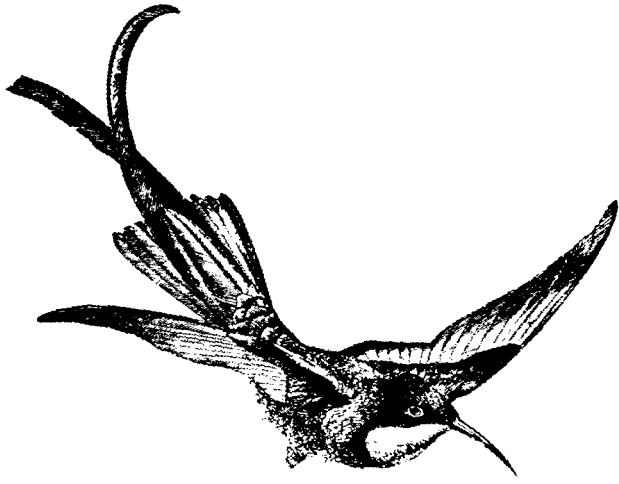
**PAYMENT OPTIONS:**

1) Make checks payable to: **University of Arizona**

2) Credit card (Mastercard or Visa): card # \_\_\_\_\_

expiration date \_\_\_\_\_ signature \_\_\_\_\_

\*Recommend advanced payment



**CAMPUS HOUSING REGISTRATION FORM**

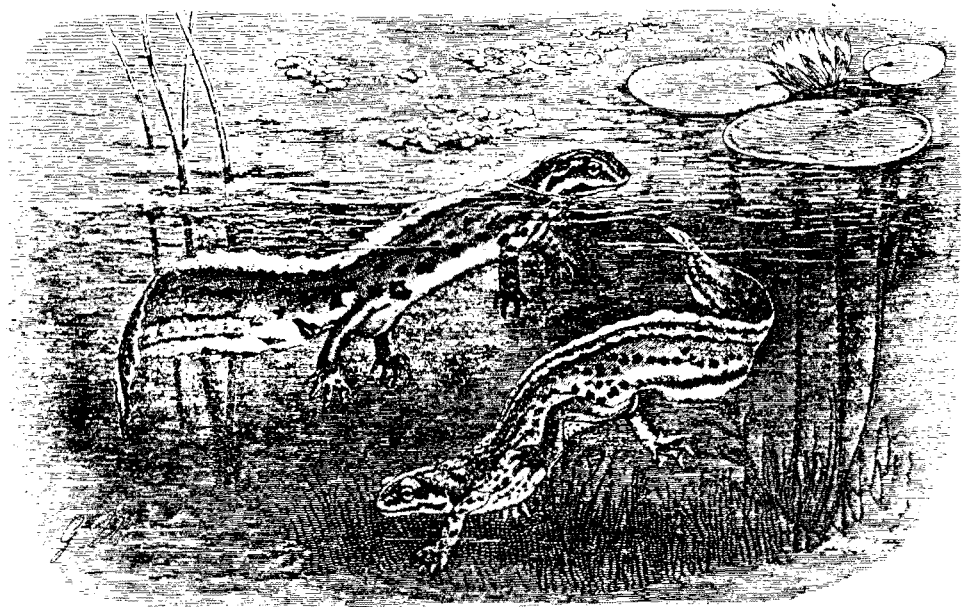
ANIMAL BEHAVIOR SOCIETY, 22ND ANNUAL MEETING  
 UNIVERSITY OF ARIZONA, TUCSON  
 JUNE 8-13, 1986

**All persons intending to stay on campus must register by May 1, 1986. Guests will be expected to pay at time of check-in. PLEASE DO NOT SEND MONEY WITH YOUR RESERVATION!**

Please complete form legibly and return to:  
**Greg Ziebell, Dept. of Residence Life, Conference Housing, 103 Nugent,  
 University of Arizona, Tucson, Arizona 85721.**

NAME (last) \_\_\_\_\_ (first) \_\_\_\_\_ (mid init.) \_\_\_\_\_  
 INSTITUTION \_\_\_\_\_ (male) \_\_\_\_\_ (female) \_\_\_\_\_  
 MAILING ADDRESS (street/box) \_\_\_\_\_ (city) \_\_\_\_\_  
 (province/state) \_\_\_\_\_ (postal code) \_\_\_\_\_  
 TELEPHONE (work) \_\_\_\_\_ (home) \_\_\_\_\_  
 NAMES OF FAMILY/GUESTS ATTENDING \_\_\_\_\_

DAYS	CORONADO HALL	
	<u>single (\$17)</u>	<u>double (\$11)</u>
Sat. June 7	_____	_____
Sun. June 8	_____	_____
Mon. June 9	_____	_____
Tue. June 10	_____	_____
Wed. June 11	_____	_____
Thr. June 12	_____	_____
Fri. June 13	_____	_____
Sat. June 14	_____	_____
Roommate:	_____	



**REGISTRATION AND ORDER FORM**  
**SOUTHWESTERN RESEARCH STATION OVERNIGHT FIELDTRIP AND ABS T-SHIRTS**

PLEASE MAKE CHECKS PAYABLE TO: **Margaret Kurzius**  
 MAIL FORM TO: Margaret Kurzius, Dept. of Ecology and Evolutionary Biology  
 University of Arizona, Tucson, Arizona 85721

Name (last) \_\_\_\_\_ (first) \_\_\_\_\_ (mid.init.) \_\_\_\_\_  
 Street/box# \_\_\_\_\_ City \_\_\_\_\_  
 State/Province \_\_\_\_\_ Postal Code \_\_\_\_\_ Work Phone \_\_\_\_\_

**SOUTHWESTERN RESEARCH STATION** (Sat-Sun, June 14-15) (\$34/person). Please register early, as trip is limited to 30 participants.

# of people \_\_\_\_\_ total cost \$ \_\_\_\_\_

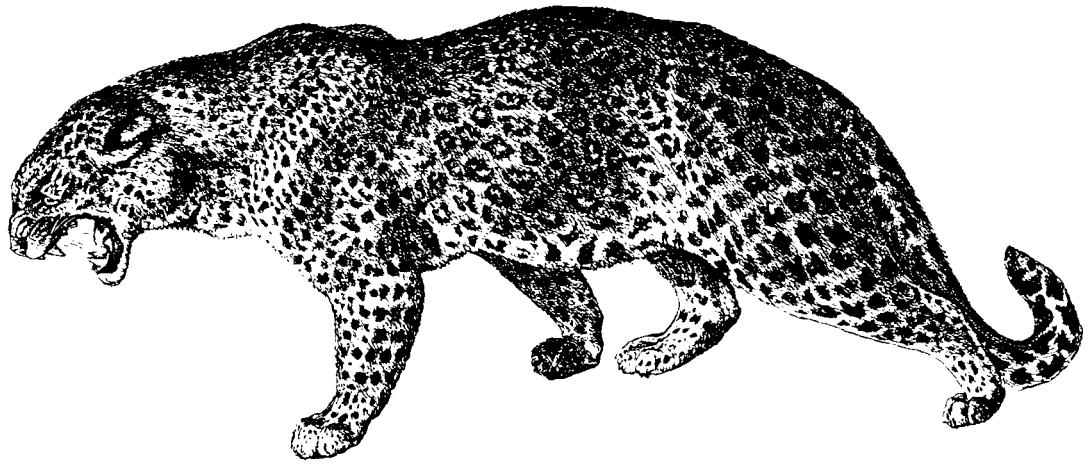
**ABS T-SHIRTS**

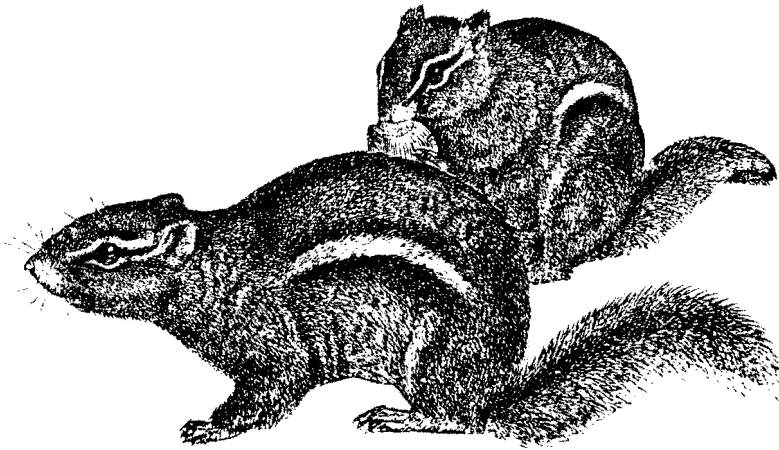
3-color, silk-screened, cotton t-shirts with front and back design and ABS logo are available in light blue, tan, white and gray. The following sizes are available: Men's S,M,L,XL; Children's S(6-8),M(10-12),L(14-16). T-shirts must be **pre-ordered and pre-paid** and will be ready at time of registration.  
 Price: \$9.00/each .

FRONT DESIGN (WITH ABS LOGO)

BACK DESIGN

	QUANTITY	COLOR	SIZE	COST(\$9.00)
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
TOTAL	_____			_____





1985 FINAL REPORT OF TREASURER BROCKMANN

MARGARET ALTMANN (1900-1984)

Beginning Balance	128,227
Revenue Received:	
Membership dues-	
regular	43,781
student	14,733
spouse	468
Interest Income	13,603
Membership labels	2,325
Subscriptions	1,399
Donations	1,066
Royalties	353
Total Revenue Received	77,728
Expenditures:	
Journal Publication	30,811
Editor's Expenses	17,593
Treasurer	6,078
Membership Committee	5,171
Secretary	4,019
Program Officer	3,978
Accounting & Computer	2,048
Education Committee	1,948
Film Committee	680
Second President Elect	500
Total Expenditures	72,826
Ending Balance (June 30, 1985)	133,129

Note--Derived from a paper by David Chiszar and Michael Wertheimer entitled 'Margaret Altmann: A rugged pioneer in rugged fields', presented at Rocky Mt Psych Assoc April 1985.

Margaret Altmann was of German birth. She studied agriculture in Berlin and Bonn and received a doctorate in 1928. Dr. Altmann first visited the United States in 1938, studying 4-H clubs and agricultural colleges to assess how scientists interacted with agricultural/farming communities. She took a position at Cornell in Dairy Husbandry in 1933, and five years later earned a Ph.D. from Cornell and became a U.S. citizen. Her research focused on practical problems in dairy and poultry science.

In 1941 Dr. Altmann moved to Hampton Institute in Virginia, becoming chair of Animal Husbandry. Her interests turned to game animals, and she gave her first elk paper in 1949. In 1958 Dr. Altmann was appointed as visiting lecturer at the Univ of Colorado, and was promoted to Professor of Psychology and Biology in 1962.

David Chiszar once asked Dr. Altmann to speak at the Boulder Animal Behavior Society meetings. During their conversation she referred to herself as "old Margaret, the descriptive ethologist", expressing her belief that modern ethologists showed more interest in "high-flown theory and fancy mathematics" than description. She declined the invitation, feeling she would represent an artifact of the past--"a sort of museum specimen dusted off for a lecture at which people would listen politely but impatiently." This was unfortunate for those who attended that convention.

APPLICATION FOR MEMBERSHIP: ANIMAL BEHAVIOR SOCIETY

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

Address \_\_\_\_\_

Phone \_\_\_\_\_

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

- \_\_\_\_\_ Member- \$27 (U.S.) Receive Animal Behaviour and Newsletter
- \_\_\_\_\_ Student Member -\$17 Receive Animal Behaviour and Newsletter
- \_\_\_\_\_ Spouse Member - \$9 Receive Newsletter
- \_\_\_\_\_ Non-member Subscription (Library) \$7 Receive Newsletter

My student membership application is endorsed by (Dept Head, ABS Member or Fellow):

Name \_\_\_\_\_ Signature \_\_\_\_\_

This application form should be sent with remittance (make check payable to Animal Behavior Society or include your Mastercard # \_\_\_\_\_ or VISA # \_\_\_\_\_)

Card Holder's signature \_\_\_\_\_ ) to:

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



Terry Christenson  
Dept of Psychology  
Tulane University  
New Orleans LA 70118

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