ANIMAL BEHAVIOR SOCIETY 1983 ELECTION RESULTS

The new officers assume office on 18 August 1984. 280 ballots were cast (this represents 13.6% of the membership, compared to 14.6% voting in 1982 and 21% voting in 1981). Officers of the Animal Behavior Society also serve as officers of the Division of Animal Behavior of the American Society of Zoologists.

SECOND PRESIDENT-ELECT:
GORDON M. MURCHARTH
Professor of Psychology and Zoology, University of Tennessee, Knoxville.

SECRETARY:
TERRY E. CHRISTENSON
Associate Professor of Psychology, Tulane University, New Orleans.

MEMBER-AT-LARGE:
JOAN S. LOCKARD
Professor of Psychology and Neurological Surgery, University of Washington School of Medicine, Seattle.

AMENDMENTS TO THE CONSTITUTION:
A two-thirds vote of members returning marked ballots is required to amend the ABS Constitution. The amendment to add Parliamentarian to the procedures manual serves a six year term. PLEASE VOTE NOW.

U.S. ETHOLOGICAL CONFERENCE COMMITTEE
U.S. ABS members should vote to elect members of the USECC. The ballot appears in this ABS NEWSLETTER. USECC members serve a six year term. PLEASE VOTE NOW.

PAY YOUR 1984 ABS DUES PROMPTLY
Please pay your dues by 1 January 1984. There is a good reason for this. If your membership renewal is not processed on time, your February issue of Animal Behaviour will not be sent out with the regular mailing. Rather, it will be sent specially whenever the publisher has time to process the renewals. The ABS Treasurer sends a listing of changes (address changes, new members, membership renewals, etc.) to the publisher in England by the 15th of each month. If your dues are paid on time, you should receive your February issue promptly. If you do not, please let the Treasurer know immediately.

1984 ABS ANNUAL MEETING -- CALL FOR PAPERS
13-17 August, Eastern Washington University, Cheney, WA. Transmittal and Abstract Preparation Forms are included in this NEWSLETTER.

MEETINGS -- CALLS FOR PAPERS


MIDWEST FISH AND WILDLIFE CONFERENCE: 4-7 Dec. 1983 at the Sheraton, St. Louis, MO. Contact: Ollie Torgerson, Missouri Dept. of Conservation, P.O. Box 180, Jefferson City, MO 65102.

SECOND IBEROAMERICAN ORNITHOLOGICAL CONGRESS: 4-10 Dec. 1983 at Xalapa, Veracruz, Mexico. Theme: Neotropical ornithology. Request information from: Mario A. Ramirez, 2nd Iberoamerican Ornithological Congress, Apartado Postal 368, Xalapa, Veracruz, Mexico. Field trips and tours will be offered both before and after the paper sessions.


FIRST CONFERENCE ON BIRDS WINTERING IN THE MEDITERRANEAN REGION: 23-25 February 1984 at Aulla, Italy. Emphasis will be on the ecology, ethology, distribution, and migration of birds wintering in this region. For further information and preregistration materials contact Dr. Almo Farina, Museum of Natural History of Lunigiana, Piazza della Brunella, 56011 Aulla, Italy.


FUTURE ANIMAL BEHAVIOR SOCIETY ANNUAL MEETINGS:
1984 August 13-17, Eastern Washington Univ., Cheney, WA. Host: Steven B. Christopher, Department of Zoology.
1985 June, North Carolina State University, Raleigh. Host: George T. Bartholomus, Department of Zoology. Final arrangements will be announced when available.
Paternal Behavior I -- Thursday, 29 Dec. 1983
Organized by Robert E. Brown, Psychology Dept., Dalhousie Univ., Halifax, N.S., Canada B3H 4J1.

Paternal Behavior II -- Thursday Afternoon, 29 Dec. 1983

Ecological Aspects of Social Evolution I -- Friday Morning, 30 Dec. 1983
Daniel I. Rubenstein, Chair.


Ecological Aspects of Social Evolution II -- Friday Afternoon, 30 Dec. 1983


OTHER SCHEDULED EVENTS:


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

1984 Dec. 27-30 at Marriott Hotel and Holiday Inn in Denver (Denis Barrett and James Plaat, University of Denver chair the local committee).
1985 Dec. 27-30 at the Hyatt Regency and the Hilton in Baltimore (Donald Forester and Philip Creighton, Towson State University chair the local committee).

MEETINGS -- CALLS FOR PAPERS -- continued

SYMPOSIUM ON CONDITIONED FOOD AVERSION: 9-11 April 1984, Barhazon Plaza Hotel in Miami Beach, sponsored by the DAB-ASZ and the American Psychological Association. The symposium will include papers on learning, animal behavior, physiology, toxicology, as well as on the clinical implications of toxicologic research. For further information write: Dr. Geo. H. Waring, Dept. Zoology, Southern Illinois Univ., Carbondale, IL 62901.


MIDWEST REGIONAL ANIMAL BEHAVIOR SOCIETY MEETING: 27-29 April 1984 at Southern Illinois University in Carbondale. Meetings will be held at the SIU Touch of Nature Environmental Center on Little Crassy Lake. Contributed papers, poster papers, and invited paper sessions are planned. For conference information write: Dr. Geo. H. Waring, Dept. Zoology, Southern Illinois Univ., Carbondale, IL 62901.

"Religious Perspectives on the Use of Animals in Science" An international conference will be held in June or August of 1984 in London. Contact: Tom Regan, Dept. Philosophy and Religion, North Carolina State Univ., Box 5686, Raleigh, NC 27650.

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


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


VOLUNTARY CONTRIBUTIONS: The Animal Behavior Society welcomes contributions. Members may make the ABS a beneficiary of an estate or name the ABS in a will.
We have obtained information concerning funding for the Psychobiology Program that should be a matter of concern for members who rely to any degree on that program for their research support. The FY84 budget proposed by the Reagan Administration for the NSF as a whole is on the order of 18% more than the FY83 budget. An increase of 12.2% has been requested for the Behavioral and Neural Science Division. Of most interest to many of us is the fact that this budget proposes to limit the increase to the Psychobiology Program to 2.7% (from approximately 3.7 million in 1983 to 3.8 million in 1984). It has been estimated that in order to maintain its budgetary status relative to its 1980 level, the Psychobiology Program would need an increase of 48% for FY84.

We call your attention to these facts in the expectation that you will wish to indicate your dismay at the funding level of Psychobiology to the appropriate authorities. We urge you to write to all of the individuals listed below with the request that funding for the Psychobiology Program be increased. In your letters, it would be pertinent to point out the reasons you think increased funding in the areas supported by the Program is essential. Broadly speaking, the Psychobiology Program supports basic research on behavior and its environmental, developmental, hormonal, neural, motivational, and genetic determinants. The basic research supported by the Psychobiology Program not only increases our general understanding of these determinants of behavior, but also provides the bases upon which studies of the neurobiological foundations of behavior become meaningful.

Actual budgetary allocation for FY84 to the Psychobiology Program has been set at $4 million. There is little likelihood that our concerted action now could result in an immediate response. However, our letters will not be ignored and we need to be concerned about the future.

A copy of your letter should be sent to the following persons:

1. Dr. Charles E. Hess, Dean
   College of Agriculture,
   University of California, Davis, CA 95616
   (Member, National Science Board)

2. Dr. Robert Rabin
   Assistant Director of Behavioral and Neural Sciences
   National Science Foundation
   Washington, D.C. 20550

3. Dr. Richard T. Louttit
   Director of Behavioral and Neural Sciences
   National Science Foundation
   Washington, D.C. 20550

4. Dr. Fred Stollnitz, Director
   Psychobiology Program
   National Science Foundation
   Washington, D.C. 20550

5. It would be most appropriate for you to send a copy of your letter to your U.S. Representative and Senators.

Report submitted by Ed Banks, Public Affairs Committee.
CERTIFICATION OF "ANIMAL BEHAVIORISTS"

An increasing number of persons advertise themselves as "animal behaviorists," qualified to deal with behavioral problems of pets. The background, knowledge, and methods of some of these "animal behaviorists" are questionable, yet they provide the only contact many of the public have with the concepts and practice of ethology. The Animal Behavior Society needs to consider its response to this potential misrepresentation before the number of "animal behaviorists" becomes large and before the public perception of ethology is seriously compromised.

The issue is education of the public so that persons who wish behavioral advice can make intelligent choices. If we are to act, we would appear to have three options:

1. Licensing. This would require a national effort in which "animal behaviorists" charging for their services would be required by law to pass a licensing examination. Such a procedure would be time consuming and probably beyond the limited resources of the Animal Behavior Society.

2. Certification and registration. Like licensing, certification and registration would require a national effort. However, unlike licensing, certification would not be required, but would provide distinction to certified persons. Persons entering the non-academic marketplace as "animal behaviorists" would apply to a committee of the Animal Behavior Society. The committee would grant or deny certification and regularly publish a directory of certified "animal behaviorists" to be mailed to persons listed in the directory and to interested persons. Certification could be revoked in the event of misconduct. Frequent renewal of certification would provide opportunities for review of certified persons. A similar system is used by the Ecological Society of America, and the North American Society of Fisheries Biologists. As a society, we would be encouraging a standard of knowledge and concern for animals. We would not be legally bound nor would we need state laws to back us up. Our role would be largely educational.

3. Policy statement. We could decide on our view of professional "animal behaviorists" and make our position widely known.

The problem is one of leverage. A policy statement is easily ignored and we will have had no impact on public awareness or the quality of non-academic "animal behaviorists." Even with a widely publicized and effective policy statement, our stand will be forgotten unless the statement is repeatedly publicized or incorporated in a certification or licensing procedure. Licensing would require legal sanctions and enforcement to be effective. Both are beyond the means of the Animal Behavior Society. Thus, we arrive at certification. "Animal behaviorists" would seek the Society's certification as a way of demonstrating their competence to the public and each other. They would advertise the certification themselves thereby publicizing our standards for us and increasing public awareness of ethology as an organized science. Certification would also encourage "animal behaviorists" to interact with the Society in order to obtain and maintain certification. Such interaction could contribute to the further education of non-academic "animal behaviorists" while increasing the diversity of views within the Society. Thus, certification would broaden and strengthen the Society while helping raise the educational standards of practicing "animal behaviorists."

Based on the considerations outlined above, the Policy and Planning Committee recommended certification, in principle, and the Society established an ad hoc committee to examine the certification issue and make a report at the 1984 Annual Meeting in Cheney. Correspondence regarding certification should be sent to the Chairperson of the ad hoc Committee on Certification: Dr. Sarah Lenington, Institute of Animal Behavior, Rutgers University, Newark, NJ 07102.

CALL FOR PAPERS: A transmittal Form and an Abstract Preparation form for contributed papers are included in this Newsletter. There are three types of contributed papers: 20 min (15 min for presentation and 5 min discussion), 5 min papers, and poster papers. ABS members may present or sponsor only one contributed paper at the Annual Meeting. When a member co-authors with a nonmember who is presenting, the member is sponsoring that paper. A member may also show one film and participate in an invited paper session or symposium in addition to giving or sponsoring one contributed paper. Members may present or sponsor a 20 min paper in consecutive years. It is expected that the research reported at the Annual Meeting complies with all applicable laws concerning animal care. See the May 1983 ABS Newsletter for these guidelines. Transmittal and Abstract forms, as well as inquiries concerning the program should be directed to the ABS Program Officer, Lee C. Drickamer, Biology Department, Williams College, Williamstown, MA 01267.

DEADLINE FOR RECEIPT OF ABSTRACTS -- 7 APRIL 1984.

POSTER PAPERS are strongly encouraged. Participation will facilitate more discussion, perusal of data, and one-to-one exchange of ideas. We will be experimenting with a new evening format for poster papers at the Cheney meeting.

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

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


INVITED PAPER SESSIONS: The deadline for submission of proposals is 1 January 1984. Contact the Program Officer for information.

REGISTRATION AND HOUSING: Information will appear in the February 1984 ABS Newsletter. For information, contact the local host: Steven B. Christopher, Office of Academic Affairs, Showalter Hall, Eastern Washington University, Cheney, WA 990044.

ANIMAL MISBEHAVIOUR: After an unfortunate lapse of several years, interest has again been expressed in publishing this renowned and important journal. Those who wish to help in this endeavor, or who may have materials they wish to submit for possible inclusion, should contact the Editor, Steve Rebach, Department of Natural Sciences, University of Maryland—Eastern Shore, Princess Anne, MD 21853 (ph. 301-651-3979).
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 with a good ribbon; make neat corrections. Elite type (12 pitch) is preferred. Use black ink for symbols not on your typewriter.

4. Your abstract should be organized as follows:
   a. Title-- use CAP's; check to see that the Transmittal Form and Abstract titles match; when using a Latin name, include the common name also; see example below.
   b. Authors-- include department and institutional affiliation.
   c. Specific objectives-- include a brief statement unless clear from the title.
   d. Methods-- include a brief description, if pertinent.
   e. Results-- provide a clear, specific summary.
   f. Conclusions.
   g. Acknowledgments or References-- if desired.

5. Send the ORIGINAL PLUS ONE COPY of Abstract along with Transmittal Form to the Program Officer.

Example of title lines (please follow this format):

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

2. Author(s):
First Name  Initial  Last Name  Institutional Affiliation
__________________________________________

3. Mailing address of presenting author: Telephone numbers:
__________________________________________

4. ABS membership of presenting author:
   ______ Regular member of ABS  ______ Student member of ABS
   ______ Nonmember sponsored by ____________________________________________
   ______ Visiting foreign scientist engaged in animal behavior research

5. Category of paper to be presented (ABSTRACT REQUIRED FOR ALL CATEGORIES)
   ______ 20 minute  ______ Symposium  ______ Poster paper
   ______ 5 minute  ______ Invited session  ______ Allee Competition

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

7. By submission of this Abstract to ABS, I declare that the research reported herein was conducted in compliance with the ABS Animal Care Guidelines and all laws applicable to my work.
8. Identify your paper according to animal group and principal subject by circling the appropriate categories. (To be used by Program Officer in scheduling papers).

**Animal Group:**

<table>
<thead>
<tr>
<th>Humans</th>
<th>Carnivores</th>
<th>Fishes</th>
<th>Insects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-human primates</td>
<td>Rodents</td>
<td>Amphibia</td>
<td>Arachnids</td>
</tr>
<tr>
<td>Marine mammals</td>
<td>Other mammals</td>
<td>Reptiles</td>
<td>Molluscs</td>
</tr>
<tr>
<td>Ungulates</td>
<td>Birds</td>
<td>Crustaceans</td>
<td>Other invertebrates</td>
</tr>
</tbody>
</table>

**Subject:**

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

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

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

- overhead projector
- 16 mm projector
- other
ELECTION OF MEMBERS OF THE UNITED STATES ETHOLOGICAL CONFERENCE COMMITTEE

VITAE OF THE CANDIDATES FOR U.S.E.C.C.

H. JANE BROCKMANN
Birthdate: 25 February 1947
Education: B.S. 1967 Tufts University
M.S. 1972 University of Wisconsin
Ph.D. 1976 University of Wisconsin
Present Position: Associate Professor of Zoology, University of Florida, Gainesville, FL.
Research Interests: Evolution of behavior, specifically evolution of mating and nesting behavior in solitary wasps; evolution of behavioral diversity and decision making, social behavior and sex ratios.

GORDON M. BURGHARDT
Birthdate: 11 October 1941
Education: B.S. 1963 University of Chicago
Ph.D. 1966 University of Chicago
Present Position: Professor of Psychology and Zoology, University of Tennessee, Knoxville.
Research Interests: Chemoreception and ontogeny of behavior in reptiles; theoretical and historical issues in ethology.

SIDNEY A. GAUTHREAUX, JR.
Birthdate: 18 October 1940
Education: B.S. 1963 Univ. New Orleans
M.S. 1965 Louisiana State Univ.
Ph.D. 1968 Louisiana State Univ.
Present Position: Professor of Zoology, Clemson University, Clemson, SC.
Research Interests: Radar and direct visual field studies of bird orientation and migration; hormonal and bioenergetic determinants of animal behavior; behavioral aspects of competitive coexistence in North American birds; behavioral aspects of social dominance; habitat selection in birds.

WILLIAM A. MASON
Birthdate: 28 March 1926
Education: B.A. 1950 Stanford University
M.A. 1952 Stanford University
Ph.D. 1954 Stanford University
Present Position: Professor of Psychology, University of California, California Primate Research Center, Davis, CA.
Research Interests: Social development, social organization, primates.

C. RICHARD TERMAN
Birthdate: 9 August 1979
Education: A.A. 1950 Spring Arbor Coll., MI
A.B. 1952 Albion College, Michigan
M.S. 1954 Michigan State Univ.
Ph.D. 1959 Michigan State Univ.
Present Position: Professor of Biology, College of William and Mary, Williamsburg, VA.
Research Interests: Behavior and population dynamics: socio-biological factors influencing the growth and physiology of populations; behavioral ecology of populations.

JOHN G. VANDENBERGH
Birthdate: 4 May 1935
Education: A.B. 1957 Montclair State Coll. NJ
M.S. 1959 Ohio University, Athens
Ph.D. 1962 Penn State University
Present Position: Professor and Head, Department of Zoology, North Carolina State University, Raleigh, NC.
Research Interests: Pheromones and reproduction in rodents, behavioral endocrinology, social behavior of rodents and primates.

The continuing members of the U.S.E.C.C. are: Stuart Altman, Don Dewsbury, Lee Drickamer, Stephen Emlen, Devra Kleiman, and Frank McKinney.

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 (three International Ethological Conferences). Only U.S. members of ABS may vote (non-U.S. ethologists are represented by delegations to the International Ethological Conference Committee from other countries).

Please vote for THREE of the persons listed below (see vitae above). The three persons receiving the most votes will serve for six years as U.S.E.C.C. members.

H. Jane Brockmann
Gordon M. Burghardt
Sidney A. Gauthreaux, Jr.
William A. Mason
C. Richard Terman
John G. Vandenbergh

MAIL YOUR BALLOT (POSTMARKED BEFORE 15 JANUARY 1984) IN AN ENVELOPE BEARING YOUR NAME

TO: Lee C. Drickamer
U.S.E.C.C. Secretary
Department of Biology
Williams College
Williamstown, MA 01267

AMERICAN ORNITHOLOGISTS' UNION: 5-10 August 1984, Univ. Kansas, Lawrence, KS.

WILDLIFE 2000: Modeling Habitat Relationships of Terrestrial Vertebrates. 7-11 Oct. 1984 at Fallen Leaf Lodge, Stanford Univ.'s Sierra Camp near Lake Tahoe. The Symposium will provide scientists and managers with an up-to-date synthesis of issues in the development, testing, and application of models that predict responses of wildlife to habitat changes. Abstracts are due 15 Dec. 1983; abstracts for posters due 31 Jan. 1984. Registration will be limited and applications heard in order of receipt. Obtain registration materials, etc. from: Jared Verner, Program Chair, Forestry Sciences Laboratory, 2081 East Sierra Ave., Fresno, CA 93710 (ph. 209-487-5568). Proceedings will be published.

1986 (XIXth) INTERNATIONAL ORNITHOLOGICAL CONGRESS: 27-29 June 1986 in Ottawa. Suggestions for the scientific program may be sent to: J. Bruce French, Chair Scientific Program Committee, 20th Ave., Univ. of Toronto, Toronto, Ontario, Canada MSS 1A1. Suggestions for symposia may include details of subject matter, possible leaders and participants. The possibility of including spoken contributed papers as well as posters is under consideration. To receive further information, contact: The Secretary-General, Dr. Henri Ouellet, xfn: January 1983.

CELEBRATION OF ABS 70th ANNIVERSARY

A session celebrating the 70th Anniversary of the Animal Behavior Society and honoring the founders will be held at the 1984 Annual Meeting of ABS at Eastern Washington University at Cheney, Washington (13-17 August). The following presentations are planned for the Anniversary Session:

Jean M. Banks: W. C. Allee and the "Chicago" school of Animal Behavior.
Nicholas F. Collins: The role of American ethologists in the development of ethology during the three decades preceding the formation of the ABS.
Martin W. Schein: The roots of the ABS as I saw it.

PHOTOGRAPHS ARE NEEDED

A poster session is planned for the 1984 Annual Meeting at Eastern Washington University in Cheney to honor ABS founders and to celebrate the 70th Anniversary of the Society. Abstracts, posters, slides, early meetings, etc. are needed. Please contact Martin W. Schein, ABS Historian (Department of Biology, University of West Virginia, Morgantown, WV 26506) to make a plan for the poster and/ or slides to be displayed. Photos or slides you can contribute to this exhibit.

The American Ornithologists' Union RESEARCH AWARDS for 1983: The Joselyn Van Tyne and Alexander Wetmore Memorial Funds are available to students and others without recourse to regular funding. The Van Tyne Awards are for research on any aspect of avian biology; Wetmore Awards are limited to research on taxonomy and systematics of birds and secondarily on neotropical birds. The total in each fund available for annual distribution is usually around $2,500; multiple awards from each fund are given annually. Applications for financial assistance in the form of travel support or for supplies may be obtained from Dr. Patricia Adair Gowaty, Chair, AOU Research Awards Committee, Section of Neurobiology and Behavior, Seley G. Mudd Hall, Cornell University, Ithaca, NY 14853. Applications must be postmarked by 17 February 1984.

FRANK M. CHAPMAN GRANTS: Grants-in-aid of ornithological research and postage. The Committee welcomes and favors applications from graduate students; projects in game management and the medical sciences are seldom funded. Applications should be submitted not later than 15 January 1984; there will be no other 1984 submission date. Applicants will be notified of the results in early April 1984. Forms may be obtained from The Frank M. Chapman Memorial Fund Committee, The American Museum of Natural History, Central West and 83rd St., New York, NY 10024.

RESEARCH ASSISTANT: A position is available for a Research assistant to conduct behavioral observations of bonnet macaques (Macaca radiata) at the California Primate Research Center, Univ. of Calif., Davis as part of a three-year study of factors influencing maternal investment strategies, differential reproductive success among females, and the evolution of skewed sex ratios in the species. The position is funded at 50% time, and the salary ranges from $10,000 to $12,000, depending upon experience. Knowledge of behavioral observation techniques, competence in use of microcomputers, and experience in observing primates is preferred, but not mandatory. A minimum 12-month commitment will be required. Please submit a vitae, two academic references, and a statement describing reasons for wishing to participate in the project to Dr. Joan Silk, 908 Momp aunt Ave., Durham, NC 27701 by 10 December 1983.

THE NORTH AMERICAN BLUEBIRD SOCIETY: Three variable grants totalling $5000 are available. Student Research Grant— to full-time college or university students for a project focused on North American cavity-nesting species. Bluebird Research Grant— to student, professional or individual workers for a project focused on any species of Bluebird (Sialia). General Research Grant— to student, professional or individual workers for a project on a North American cavity-nesting species. Forms available from: Theodore N. Cutzke, Research Comm., P.O. Box 66, Upham, ND 58789. Application must be received by 31 January 1984; decisions will be announced by 15 March 1984.

AVIAN AND ORNITINE BEHAVIORAL ECOLOGY -- FIELD ASSISTANTS needed for projects involving the behavioral ecology of cooperatively-breeding Acorn Woodpeckers, colonial Yellow-billed Magpies, and lekking White-tail Skimmer Dragonflies at Lastings Reservation, Monterey County, CA. Positions available for March-July (1 position, woodpecker); April-July (1 or 2 positions, woodpeckers and/or magpies); and mid June-early August (2 positions, dragonflies). Salaries: small animals $250 per month, small birds $200, large birds $300. For more information contact Walt Keonig, Lastings Reservation, University of California, Star Route Box 80, Carmel Valley, CA 93924 (ph. 408-659-2664 or 659-7684).

PRE-DOCTORAL FELLOWSHIPS: The Primate Foundation of Arizona, in association with Ariz. State Univ., has pre-doctoral fellowships for students interested in primate behavior research. Two annual fellowships are offered for 12 months; the award amount is $6,000. Deadlines for applications: 30 April 1984 (to begin 1 Aug., 1984) and 30 April 1985 (to begin 1 Jan. 1985). Contact: Jo Fritz, Primate Foundation of Arizona, P.O. Box 86, Tempe, AZ 85281.
**1984 ANNUAL ABS MEETING**
13-17 AUGUST, EASTERN WASHINGTON UNIVERSITY

**COMPUTER WORKSHOP**

The Education Committee is organizing a Workshop titled "The Use of Computers in Teaching Animal Behavior" for the 1984 Annual ABS Meeting in Cheney, WA. If you would be interested in participating, or know of anyone who might be interested, please contact Christine Boake, Department of Biology, Whitman Laboratory, The University of Chicago, 915 East 57th Street, Chicago, IL 60637 (ph. 312-962-9638).

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**ABS COMMITTEE MEMBERS NEEDED**

Are you interested in serving on a Committee of the Animal Behavior Society? The committees which have vacancies in 1983 and 1984 are: Education, Animal Care, and ANIMAL BEHAVIOR to the TREASURER: H. Jane Brockmann, Treasurer. If you are interested in participating, or know of anyone who might be interested, please contact Christine Boake, Department of Biology, Whitman Laboratory, The University of Chicago, 915 East 57th Street, Chicago, IL 60637 (ph. 312-962-9638).

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**ylan Science Society Direction of Correspondence**

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

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

**ANIMAL BEHAVIOUR:** Manuscripts, Reviews, Editorial Policy:

Patrick Colgan, Editor
Dept. of Biology, Queens Univ.
Kingston Ontario K7L 3N6 Canada.

**ANIMAL BEHAVIOUR:** Missing Issues, Duplicate or Defective Issues, Back Issues:

Journal Subscription Dept. (Attn. E. Lowe)
Bailliere Tindall, 8 Trident Way, Brent Rd.
Southall, Middlesex, England.

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**1983 ROSTER OF ABS OFFICERS AND COMMITTEE CHAIRPERSONS**

**PRESIDENT:** Devra C. Kleiman, Dept. Zoological Research, National Zoological Park, Washington, D.C. 20008
1st PRESIDENT-ELECT: Colin G. Beer, Inst. Animal Behav., Rutgers University, Newark, NJ 07102
2nd PRESIDENT-ELECT: Jeanne Altman, Dept. Biology, University of Chicago, Chicago, IL 60637
PAST-PRESIDENT: John C. Vandenberg, Dept. Zoology, North Carolina State University, Raleigh, NC 27650
SECRETARY: Sidney A. Gauthreaux, Jr., Dept. Zoology, Clemson Univ., Clemson, SC 29631
PROGRAM OFFICER: Lee G. Dickerson, Jnr., Zoology, Williams College, Williamstown, MA 01267
PARLIAMENTARIAN: Edward H. Butt, Jr., Dept. Zoology, Ohio Wesleyan Univ., Delaware, OH 43015
MEMBER-AT-LARGE: Elizabeth Adkins Regan, Dept. Psychology, Cornell Univ., Ithaca, NY 14853

**EDITOR, ANIMAL BEHAVIOUR:** Patrick Colgan, Dept. Biology, Queens Univ., Kingston, Ontario K7L 3N6 Canada
CHAIR, EDUCATION C.: Robert W. Matthews, Dept. Entomology, Univ. Georgia, Athens, GA 30602
CHAIR, MEMBERSHIP C.: Miles Keenleyside, Dept. Zoology, Univ. Western Ontario, London, Ontario N6A 5B7 Canada
CHAIR, ANIM. CARE C.: Zuleyma T. Halpin, Dept. Biology, Ohio State University, Columbus, OH 43210
CHAIR, FILM C.: Wayne P. Aspey, Dept. Zoology, Ohio State University, Columbus, OH 43210
CHAIR, FILM C.: Wayne P. Aspey, Dept. Zoology, Ohio State University, Columbus, OH 43210
CHAIR, ORG. & BYLAWS C.: (Chair not appointed)

**SECTION C-AAAS REPRESENTATIVE:** Jerry Hirsch, Dept. Psychology, Univ. Chicago, Chicago, IL 60637

**FUTURE ANIMAL BEHAVIOR SOCIETY ANNUAL MEETINGS**

1984 August 13-17, Eastern Washington Univ., Cheney, WA, Host: Steven E. Christopher, Department of Psychology
1985 June, North Carolina State University, Raleigh, Host: George T. Bartholomew, Department of Zoology. Final arrangements will be announced when available.

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**DEADLINES FOR NEWSLETTERS:**

Animal Behavior Society: 1 January 1984 for February ABS NEWSLETTER

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

Send materials to: Anna E. Ross (Editor of the DAB-ASZ and ABS NEWSLETTERS), Department of Zoology, Clemson University, Clemson, SC 29631 (Phone: 803-656-7328).
LABORATORY EXERCISES IN ANIMAL BEHAVIOR

Do you have a favorite lab in Animal Behavior that you would like to share with colleagues in the Animal Behavior Society? If so, please participate in a clearing house for Animal Behavior Lab Experiments by completing the following form, folding appropriately, and returning it to Wayne P. Aspey, Chairperson, ABS Film Committee.

When 10 replies have been obtained, a complete list will be published in the ABS NEWSLETTER; additional copies will also be available from Wayne Aspey. If you decide to participate and an individual requests a lab from you, please have the exercise written in ready-to-use form similar to those in the Price & Stokes' manual ANIMAL BEHAVIOR IN THE LABORATORY AND FIELD, including a complete, detailed list of directions, materials, and special considerations (i.e., animal care, maintenance, special solutions).

Your cooperation will be appreciated by all those who need new animal behavior labs.

Title:

Level of presentation: underclassmen upperclassmen graduate

Length of lab:

Experimental subject(s):
(Common and Genus species names)

Description of lab objectives (up to 50 words, continue on reverse if necessary):

Special equipment, skills, or habitat required:

Address inquiries to:
Name:
Department:
Institution:
Street:
City/State/Zip:

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...
Title: HORSE BEHAVIOR: DOMINANCE HIERARCHIES, PLAY AND FLEHMEN

Level: underclassmen, upperclassmen, and graduate students

Length: 2½ hours

Subject(s): horse, Equus caballus

Description: A dominance hierarchy is determined using all possible pairs of 4-6 horses at one food source. Focal samples of foals and mares are made to observe maternal and play behavior. Flehmen number and duration are recorded when urine (estrous, pregnant and male) is presented to stallions to determine discriminatory ability.

Requirements: stopwatch, horse farm (spring or early fall is the best time)

Submitted by: Katherine A. Houpt, Physiology, NYS College of Veterinary Medicine
Cornell University, Ithaca, NY 14853

Title: THE EFFECT OF TERRITORY ON DOMINANCE

Level: underclassmen, upperclassmen

Length: 2-3 hours in class, some time out of class

Subject(s): field mice, Peromyscus

Description: Run encounters between 2 male Peromyscus in a neutral cage to determine dominance. Dominance should be expressed within 5 minutes and a hierarchy for several males can be developed within 2 hours. Then place a slightly dominant male (as determined by position in the hierarchy) in a subordinate's cage and see if territory overrides dominance status. The same encounters can be run between an extremely dominant male and the subordinate. If desired, these two conditions can be expressed as null hypotheses and tested statistically.

Requirements: neutral cage, stopwatch

Submitted by: Patricia A. Schoknecht, Biology, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061

Title: COMPARISON AMONG DATA COLLECTION METHODS IN BEHAVIOR

Level: upperclassmen

Length: 3-6 hours (choose either one can be on 2 days)

Subject(s): paper wasps, Polistes spp.

Description: The purpose of this lab is to demonstrate that the technique of data collection influences the information obtained. Therefore collection techniques must be tailored to the hypothesis being tested. Three types of behavioral observations are made for 1 or 2 hours each: (1) ad libitum, (2) focal animal and (3) scanning (see Altmann 1974). These observations are made on a nest of marked Polistes in the field. Students decide what behaviors to record and analyze differences in methods and discuss which technique is best for what kinds of questions.

Requirements: enamel and a pin stuck in a pencil eraser to mark wasps, paper and pen or tape recorder to record behaviors, wasp nests (look on eaves May - Sept. in North, Mar.-Sept. in South)

Submitted by: Joan E. Strassmann, Biology, Rice University, Houston, TX 77251
APPLICATION FOR MEMBERSHIP: ANIMAL BEHAVIOR SOCIETY

Name in full ___________________________________________ Degrees __________________

Mailing address __________________________________________

Institution ___________________________________________ Position __________________

_____ Member - $27.00 (U.S.) Receive ANIMAL BEHAVIOR and NEWSLETTER.

_____ Student Member - $17.00 (U.S.) Receive ANIMAL BEHAVIOR and NEWSLETTER.

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

_____ Non-Member Subscription (Library, etc.) - $7.00 (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.; _____ A.I.R.S.;

_____ 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. Jane Brockmann, ABS Treasurer
Dept. of Zoology, Bartram Hall
University of Florida
Gainesville, FL 32611

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

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