

NEWSLETTER

ANIMAL BEHAVIOR SOCIETY

SECTION (DIVISION) ANIMAL BEHAVIOR AND SOCIOBIOLOGY

Nancy M. Jessop, Editor  
Department of Biology  
U.S. International University  
San Diego, California 92131

American Society of Zoologists  
Ecological Society of America

DIRECTION OF CORRESPONDENCE: Please send DUES PAYMENTS, CHANGES OF ADDRESS, and MEMBERSHIP APPLICATION FORMS to ABS TREASURER DONALD A. DEWSBURY, Department of Psychology, Psychology Building, University of Florida, Gainesville FL 32601; direct inquiries concerning the JOURNAL to the publishers, Bailliere, Tindall, 7 & 8 Henrietta Street, London WC2E8QE; other correspondence may be sent to outgoing Secretary, N.M. Jessop, until the identity of the new Secretary is announced in the February Newsletter.

ELECTION OF OFFICERS: Vitae of candidates for the offices of Second President Elect, Secretary, and Member-at-Large, appear in this issue. The enclosed ballot should be returned promptly to reach the Secretary by December 30, 1974.

ELECTION OF ABS REPRESENTATIVES TO THE INTERNATIONAL ETHOLOGY CONGRESS: According to a recently adopted policy, three representatives of the Animal Behavior Society to the International Ethology Congress are to be elected from a slate of five candidates nominated by the ABS Executive Committee. Vitae of these candidates appear in this issue, and their names appear on the enclosed ballot. Successful candidates will be those three receiving the greatest number of votes.

CALL FOR PAPERS - 1975 ABS MEETINGS: Members of the Animal Behavior Society are invited to contribute papers for the 1975 meetings to be held May 22-26, at the University of North Carolina, Wilmington. A "Transmittal Form" and "Instructions for Contributing a Paper" are included with this Newsletter. Note that in addition to the usual technical papers (20 min.), mini-papers (5 min.) may be submitted this year. Mini-papers offer the membership a chance to present and discuss new ideas (hypotheses) and concepts in an informal atmosphere.

An excellent program has been organized for the 1975 meetings. Plan to attend!

Keynote Speaker: Aubrey Manning, University of Edinburgh

Tentative Symposia:

1. "Two Environments, One Behavior: What Does It Mean?"  
(Organized by Ernst Reese)
2. "Behavior and Ecology of Wolves"  
(Organized by Erich Klinghammer)
3. "Quantitative Methods in Ethology"  
(Organized by David Dunham)
4. "Behavioral Development in Invertebrates"  
(Organized by Howard Topoff)

Registration and housing information will appear in the Newsletter issue of February, 1975, along with addition program information. Note that Program Officer Edward Proce must receive all abstracts and Transmittal Forms no later than March 15, 1975.

VITAE OF CANDIDATES FOR OFFICES OF THE ANIMAL BEHAVIOR SOCIETY:

FOR SECOND PRESIDENT-ELECT

STUART ALLEN ALTMANN

Birthdate: June 8, 1930

Education: B.A. 1953 University of California, Los Angeles (Zoology)  
M.A. 1954 University of California, Los Angeles (Zoology)  
Ph.D. 1960 Harvard University (Biology)

Present Position: Professor and Director, Allee Laboratory of Animal Behavior,  
University of Chicago

Research Interests: Animal behavior; primate field research; social communication;  
mathematical models of social behavior.

JOHN C. FENTRESS

Birthdate: February 4, 1939

Education: B.A. 1961 Amherst College (Psychology)  
Ph.D. 1965 Cambridge University (Animal Behavior)

Present Position: Professor and Chairman of Psychology Department, Dalhousie  
University, Nova Scotia

Research Interests: Precise description of temporally integrated patterns of species  
behavior; the extent to which different definable components of behavior  
are separable in their control; phenotypic potentialities and constraints  
underlying temporal patterns of behavior and control mechanisms.

FOR SECRETARY

BENJAMIN B. BECK

Birthdate: June 22, 1939

Education: B.S. 1962 Union College (Psychology)  
M.A. 1963 Boston University (Psychology)  
Ph.D. 1967 University of Chicago (Psychology)

Present Position: Research Curator and Curator of Primates, Chicago Zoological Park,  
Brookfield, Illinois

Research Interests: Tool use; behavioral aspects of human evolution; interspecific  
relationships of faunal assemblages at waterholes; cognitive processes  
in mammals and birds; sensory processes and locomotion in primates.

LEWIS W. ORING

Birthdate: April 18, 1938

Education: B.S. 1960 University of Idaho (Biology)  
M.S. 1962 University of Oklahoma (Zoology)  
Ph.D. 1966 University of Oklahoma (Zoology)

NSF Postdoctoral Fellow with Hans Lind, University of Copenhagen, 1966-7  
NIH Postdoctoral Trainee with Frank McKinney, Department of Ecology and  
Behavioral Biology, University of Minnesota, 1967-8

Present Positions: Associate Professor of Biology, University of North Dakota; and  
Associate Professor of Ecology and Behavioral Biology (summer only),  
University of Minnesota Forestry and Biological Station, Lake Itasca

Research Interests: Adaptive significance of social behavior, especially mating  
systems, spacing patterns, and communication mechanisms of shore birds  
and frogs.

FOR MEMBER-AT-LARGE

CAROL SUE CARTER

Birthdate: December 25, 1944

Education: B.A. 1966 Drury College (Biology)  
Ph.D. 1969 University of Arkansas (Zoology/Animal Behavior)

Present Position: Assistant Professor, Departments of Psychology and Ecology,  
Ethology and Evolution, and School of Basic Medical Sciences,  
University of Illinois, Champaign-Urbana

Research Interests: Hormones and behavior, olfaction and sexual behavior in the  
guinea pig, hamster and rat.

THOMAS E. MCGILL

Birthdate: (not provided)

Education: B.A. 1954 Youngstown State University  
Ph.D. 1958 Princeton University

Present Position: Professor of Psychology, Williams College, Williamstown, Mass.

Research Interests: Genetics and physiology of behavioral differences, particularly  
differences in sexual responses in mice.

CHRISTEN E. WEMMER

Birthdate: July 6, 1943

Education: B.A. 1965 San Francisco State College (Zoology)  
M.A. 1967 San Francisco State College (Zoology)  
Ph.D. 1972 University of Maryland (Zoology)

Present Position: Assistant Curator of Mammals, Front Royal Conservation Center,  
Smithsonian Institution, Washington, D.C.

Research Interests: Comparative ethology; communication of mammals

R. HAVEN WILEY

Birthdate: June 14, 1943

Education: B.A. 1965 Harvard University (Biology)  
Ph.D. 1970 The Rockefeller University (Animal Behavior)

Present Position: Assistant Professor of Zoology, University of North Carolina,  
Chapel Hill

Research Interests: Evolution and regulation of social structure in vertebrates;  
social communication.

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ANIMAL BEHAVIOR SOCIETY BEST STUDENT PAPER AWARD: The competition for the Warder Clyde Allee Award for the best student paper of the year will be held at the ABS meetings of May 22-26, 1975, at the University of North Carolina at Wilmington. Any student completing a Master's or doctoral degree in 1975 with research which relates to animal behavior is eligible to enter the competition. Judging will be based on both the written paper and the oral presentation at the meetings. The written paper should not be an entire thesis, but should cover only the material included in the oral presentation. Its length should be compatible with that of the oral presentation of 15 to 20 minutes. Manuscripts should be sent in triplicate to Dr. Paul Siegel, Poultry Department, Virginia Tech, Blacksburg, Virginia, 24060, no later than April 1, 1975. A panel of judges will read the manuscripts and attend the oral presentation of the papers. The winner will be announced at the ABS banquet. Students entering this competition are reminded that they must also meet the deadline for submission of titles and abstracts to the Program Officer as indicated elsewhere in this Newsletter.

VITAE OF NOMINEES FOR ABS REPRESENTATIVES TO THE INTERNATIONAL ETHOLOGY CONGRESS:

EDWIN M. BANKS

Birthdate: March 21, 1926  
Education: Ph.B. 1946 University of Chicago  
B.S. 1948 University of Chicago  
M.S. 1950 University of Chicago  
Ph.D. 1955 University of Florida  
Present Position: Head, Department of Ecology, Ethology and Evolution, University of Illinois, Urbana  
Research Interests: Vertebrate social behavior and organization; behavioral ecology.

COLIN GORDON BEER

Birthdate: March 13, 1933  
Education: B.S. 1953 Otago University, Otago, New Zealand  
M.S. 1956 Otago University, Otago, New Zealand  
Ph.D. 1960 Oxford University (thesis research on gull behavior supervised by N. Tinbergen)  
Present Position: Professor of Psychology, Rutgers University, New Brunswick, New Jersey  
Research Interests: Reproductive and social behavior of gulls, concentrating most recently on communication and individual recognition.

JERRY HIRSCH

Birthdate: September 20, 1922  
Education: B.A. 1952 University of California, Berkeley  
Ph.D. 1955 University of California, Berkeley  
NSF Postdoctoral Fellow in Behavior Genetics, University of California, Berkeley, 1955-6  
Present Position: Professor of Psychology and Zoology, University of Illinois, Champaign, Illinois  
Research Interests: Behavior-genetic analysis; Drosophila tropisms and courtship and Phormia regina conditioning; goldfish orientation and tropisms; trait variation in human families.

WILLIAM A. MASON

Birthdate: March 28, 1926  
Education: Ph.D. 1954 Stanford University, Stanford, California  
Present Position: Research scientist, University of California Primate Research Center, Davis, California  
Research Interests: Psychosocial development in chimpanzees; filial attachment in rhesus monkeys, and social organization in South American primates.

ARTHUR A. MYRBERG, JR.

Birthdate: June 28, 1933  
Education: B.A. 1954 Ripon College, Ripon, Wisconsin  
M.S. 1958 University of Illinois, Champaign, Illinois  
Ph.D. 1961 University of California at Los Angeles  
NIH Fellow with Konrad Lorenz, Max-Planck-Institute for Behavioral Physiology, Seewiesen, West Germany, 1961-4  
Present Position: Professor of Marine Science, Rosentiel School of Marine and Atmospheric Science, University of Miami, Miami, Florida  
Research Interests: Ethology of marine fishes, especially social behavior, bioacoustics, and underlying sensory mechanisms.



6. Visual aids. A projector for 2x2 slides will be available; 3½x4 slides cannot be accommodated. Will you need a 16-mm movie projector?  

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7. Abstract. Titles with abstracts should be typed (double-spaced) on plain white paper separate from the transmittal form. The abstract should be submitted in triplicate (original plus two copies) and should not exceed 150 words. Consult "Instructions for Contributing a Paper" for details.
8. Author notification. If you wish to be notified (early April) of your position on the program, include with this transmittal form a self-addressed postcard indicating author(s) and title of paper on the back (message) side.
9. Address for submitting paper.

E. O. Price  
Program Officer, ABS  
Department of Zoology  
SUNY College of Environmental  
Science & Forestry  
Syracuse, N.Y. 13210

Phone: 315, 473-8844 (or 473-8841)

10. DEADLINE: MARCH 15, 1975. All papers must be received no later than March 15, 1975 to be given a place on the program.

## INSTRUCTIONS FOR CONTRIBUTING A PAPER

### 1. GENERAL GUIDELINES

A member or student member may present only one paper as senior author per meeting and can sponsor only one paper by a non-member. Invited papers and films (film session) are excluded from this restriction.

A non-member of the Society may present a paper if: (1) he/she is a joint author with a member, or (2) he/she is introduced by a member.

### 2. TECHNICAL PAPERS

As in the past, technical (contributed) papers will be restricted to 20 minutes (15 min. presentation plus 5 min. discussion). An abstract of 150 words or less must accompany all papers submitted. (See Transmittal Form for deadline).

### 3. PREPARATION OF ABSTRACT

Your abstract should be organized as follows:

1. A sentence stating the specific objective(s) of the study unless indicated by the title.
2. A brief description of methods, if pertinent.
3. A summary of the results obtained.
4. A statement of conclusions.

Abstracts should be typed on plain white 8½ x 11 paper separate from the transmittal form. The text of the abstract should be double spaced. See following samples for style to be used in typing abstract.

#### PREDATOR RECOGNITION AND MOBBING BEHAVIOR

#### OF BARN SWALLOWS (Hirundo rustica)

M.J. SMITH and H.B. GRAVES. Pennsylvania State Univ.

Mobbing is a type of anti-predator behavior that barn swallows and many other bird species commonly exhibit toward predators.....

HORMONAL CONTROL OF URINE-MARKING IN WILD AND  
DOMESTIC NORWAY RATS (Rattus norvegicus)

E.O. PRICE (Introd. by J. Doe). State Univ. of New  
York College of Environmental Sci. and Forestry, Syracuse.

Wild and domestic Norway rats will urinate on a 0.63 cm. (diam.)  
threaded rod suspended across their home cage .....

4. MINI-PAPERS

In recognition of the fact that many members would like to present new ideas (hypotheses) or concepts rather than technical reports at our annual meetings, the ABS is sponsoring mini-paper sessions at the 1975 meeting. Mini-papers are submitted by title only and will be limited to 5 min. oral or tape-recorded presentations. Mini-papers will be grouped by subject matter and after several successive presentations the contributors and interested persons will retire to a suitable location for discussion.

Instructions for submitting a mini-paper are the same as for technical papers except that an abstract is not required. Merely send the enclosed Transmittal Form to the ABS Program Officer. The deadline for submitting mini-papers is the same as for technical papers.

ANNUAL FINANCIAL STATEMENT OF THE ANIMAL BEHAVIOR SOCIETY:

STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS  
JANUARY 1, 1973 THROUGH DECEMBER 31, 1973

BEGINNING CASH, JANUARY 1, 1973:

First Federal Savings and Loan Association, Blacksburg, Virginia	\$ 13485.94	
First National Exchange Bank of Virginia, Blacksburg	9225.00	
First National Exchange Bank of Virginia, Blacksburg	5867.97	
First National Exchange Bank of Virginia, Blacksburg	<u>5626.26</u>	
TOTAL BEGINNING CASH		\$ 34205.17

CASH RECEIPTS:

Regular Membership Dues (1973 and advance 1974)	\$ 17647.00	
Student Membership dues (1973 and advance 1974)	3724.00	
ESA Subscriptions	3625.00	
ASZ Subscriptions	1900.00	
Interest	1024.92	
Royalties	551.06	
Miscellaneous	<u>242.35</u>	
TOTAL CASH RECEIPTS DURING YEAR		<u>28714.33</u>

TOTAL CASH AVAILABLE DURING YEAR \$ 62919.50

CASH DISBURSEMENTS DURING YEAR:

Association for the Study of Animal Behaviour	\$ 11892.00	
Salaries	4943.34	
Meeting and Program	1143.62	
Newsletter	1076.23	
American Institute of Biological Sciences	763.07	
Office Expense	665.38	
Editor	650.00	
Membership Lists	591.56	
Taxes	438.06	
Treasurer	388.13	
Miscellaneous	347.64	
Dues Refunded	160.50	
Education Committee	150.00	
Secretary	<u>20.00</u>	
TOTAL CASH DISBURSEMENTS DURING YEAR		\$ 23229.53

ENDING CASH, DECEMBER 31, 1973:

First Federal Savings and Loan Association of Mid-Florida, Gainesville, Florida	\$ 19211.44
University City Bank, Gainesville, Florida	11023.47
The First National Bank of Gainesville	<u>9455.06</u>

TOTAL ENDING CASH, DECEMBER 31, 1973 \$ 39689.97

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DEADLINE FOR FEBRUARY NEWSLETTER: Items for the February issue may be directed to outgoing Editor, Nancy M. Jessop, for forwarding to the incoming Secretary, who also serves as Newsletter Editor. All items must be received by N.M. Jessop by January 15.

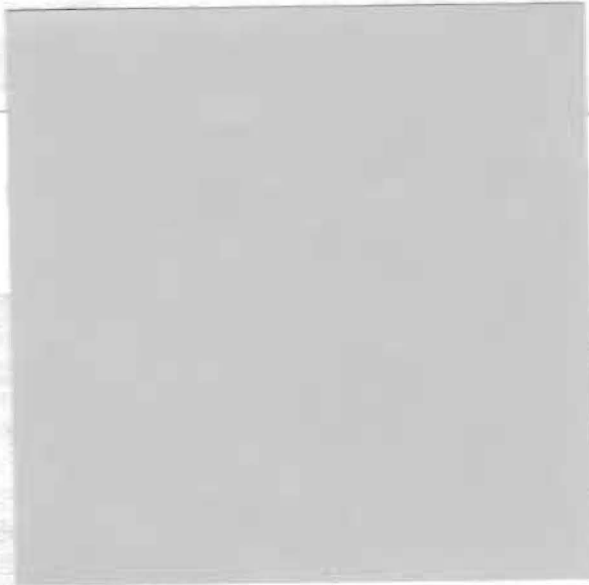
**CALL FOR PAPERS FOR 1975 ASZ MEETINGS:** Members of the Animal Behavior Society are reminded that meetings of the Animal Behavior Division of the American Society of Zoologists may be organized for meetings of ASZ in which the Animal Behavior Society is not formally participating. The ABS will not meet with ASZ in Corvallis, Oregon, August 17-22, 1975. However, any ABS member who wishes to present a paper (20 min.) at this meeting may do so. For more information contact the ABS Program Officer, E.O. Price, Department of Zoology, SUNY College of Environmental Science & Forestry, Syracuse, New York 13210. Inquiries should be made no later than February 15 since abstracts must be received by March 14, 1975.

**POSITIONS OPEN:**

(1) **UNIVERSITY OF MARYLAND:** Applications are invited for ethologists for the position of Assistant Professor, effective mid-August 1975. Teaching commitment: upper division Ethology, graduate seminar, and one undergraduate course in area of competence (Sensory Physiology, Comparative Anatomy, or General Zoology). Excellent facilities for bio-acoustics research (anechoic room, sound attenuated rooms, electronic gear). Send vitae, statement of area of interest, and names for three letters of recommendation to Dr. W. M. Schleidt, Department of Zoology, University of Maryland, College Park, MD 20742, by December 1, 1974.

(2) **UNIVERSITY OF MISSOURI:** Applications are invited for 3 research/teaching positions at the anticipated level of Assistant Professor: (a) Animal Behaviorist; (b) Community Ecologist with expertise in quantitative methods, and (3) Invertebrate Zoologist, Neurophysiologist, or Biochemist. Excellent research facilities are available; competitive salaries. Send vitae and names of three references to Dr. Gary T. Heberlein, Chairman, Biology Department, University of Missouri-St. Louis, 8001 Natural Bridge Road, St. Louis MO 63121. "An equal opportunity/affirmative action employer."

**NEW FILM:** "Tenrecs of Madagascar", a 25-minute sound, color film by Edwin Coull and John F. Eisenberg, is now available for purchase (\$225.00) or rental (\$25.00), from Hallmark Films and Recording, Inc., 1511 E. North Avenue, Baltimore MD 21213, or phone (301) 837-3516. This film shows seven species of tenrecs and two species of viverrid predators, and deals with communication, social behavior, and predator defense.



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