

NEWSLETTER

ANIMAL BEHAVIOR SOCIETY

SECTION (DIVISION) ANIMAL BEHAVIOR AND SOCIOBIOLOGY

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American Society of Zoologists
Ecological Society of America

DIRECTION OF CORRESPONDENCE: Until April 1 please continue to direct CHANGES OF ADDRESS and PAYMENT OF MEMBERSHIP DUES to past Treasurer Paul B. Siegel, Department of Poultry Science, Virginia Polytechnic Institute, Blacksburg, VA 24061; after April 1 direct these items to ABS Treasurer Donald A. Dewsbury, Department of Psychology, Psychology Building, University of Florida, Gainesville FL 32601. Direct MEMBERSHIP INQUIRIES to John Fentress, Chairman, Membership Committee, Department of Biology, University of Oregon, Eugene, OR 97401. Direct INQUIRIES REGARDING THE JOURNAL AND MONOGRAPHS to the publishers, Baillière, Tindall, 7-8 Henrietta St., London WC28QE, England. Direct other correspondence and notices for the Newsletter to N.M. Jessop (address above).

ELECTION RESULTS: Second President-Elect: Jerry Hirsch
Treasurer: Donald A. Dewsbury
Editor of Animal Behaviour: Jack P. Hailman
Member-at-Large: Roslyn P. Warren

DEADLINE FOR MAY NEWSLETTER: April 1, 1973.

ABS SUMMER MEETINGS: As announced in the November Newsletter, the Animal Behavior Society will meet with AIBS June 17-22, 1973, at the University of Massachusetts, Amherst MA. The then-announced deadline of January 31 for submission of titles and abstracts was set by AIBS, and by the Ecological Society of America, which will publish abstracts of the contributed papers in the Ecological Bulletin. Preregistration and Housing Request forms will appear in BioScience. A schedule of the ABS sessions will appear in the May Newsletter.

WARDER CLYDE ALLEE AWARD: By action of the Executive Committee upon a recommendation submitted by Dr. Nicholas Collias, the Animal Behavior Society Award for best student paper has been named in honor of Warder Clyde Allee. Student members completing a Master's or Doctor's degree, who have submitted titles and abstracts of papers to be presented at the summer meetings of the Animal Behavior Society (June 17-22, Amherst), are reminded that if they wish to be considered for the Warder Clyde Allee Award for the best student paper of 1973, their completed manuscripts should now be submitted in triplicate NO LATER THAN APRIL 15, 1973, to the Chairman of the Awards Committee, Dr. Ernst S. Reese, Department of Zoology, University of Hawaii, Honolulu HI 96822. 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.

ABS WINTER MEETINGS: The Animal Behavior Society will meet December 27-30, 1973, in Houston, Texas, along with the American Society of Zoologists and several other societies sharing common interests. Transmittal and abstract forms for these meetings will accompany the May Newsletter. To date no symposia have been planned for these meetings. Anyone interested in organizing a symposium should contact Program Officer C. Richard Terman, Laboratory of Endocrinology and Population Ecology, College of William and Mary, Williamsburg VA 23185, NO LATER THAN APRIL 15.

NOTICE FROM THE EDITOR OF ANIMAL BEHAVIOUR: Authors planning immanently to submit manuscripts to Animal Behaviour should take cognizance of the existing publication lag. Not only is the journal still about six months behind its publication schedule due to strikes in Great Britain, but a backlog of accepted manuscripts now exists which should fill the journal through the spring of 1974. In addition, about 100 other manuscripts are now under editorial consideration. While this situation is regrettable, it cannot be corrected immediately, and potential authors should take these delays into consideration when deciding whether or not to submit their manuscripts to Animal Behaviour. Unless means are found for increasing publication space, inevitably a higher proportion of marginally acceptable manuscripts must be rejected in the future.

DOES YOUR UNIVERSITY HAVE ITS OWN PRESS? The Animal Behavior Society would welcome communications from the University presses which might be interested in publishing a journal for the Society in the United States. This journal might either augment or replace subscriptions to Animal Behaviour. Please ask appropriate parties at your university to contact Jerry Hirsch, Department of Psychology, University of Illinois, Champaign IL 61820. Dr. Hirsch is serving as chairman of an ad hoc committee to investigate publication outlets in the United States.

FORTHCOMING MEMBERSHIP ROSTER: An up-to-date roster of ABS members will be prepared during 1973, for probable distribution in September to all members. Be sure to check the accuracy of your addressographs, and inform the TREASURER promptly concerning corrections or changes of address.

INVITATION TO MEMBERSHIP: Animal Behavior Society members are requested to inform their colleagues and students that they may benefit by joining the Society's interdisciplinary membership of ethologists, psychologists, ecologists, anthropologists, physiologists, entomologists, and others interested in promoting the biological study of behavior. Benefits of membership include eligibility to participate in national and regional meetings, symposia, and conferences sponsored by the Society, and the receipt at no extra cost of the journal Animal Behaviour, Animal Behaviour Monographs, the quarterly ABS Newsletter, and occasional publications of the Society. No formal membership application form need be submitted. Dues for 1973 are \$15.00 for regular members, \$8.00 for student members, and \$24.00 for family memberships for couples wishing to receive only one copy of the journal and monographs. Checks should be sent to past Treasurer Paul B. Siegel until April 1, and thereafter to incoming Treasurer Donald A. Dewsbury (see paragraph on Direction of Correspondence above.)

BEHAVIOURAL BIOLOGY ABSTRACTS: Publication will commence in February, 1973, of a new abstracts journal, Behavioural Biology Abstracts, Section A: Animal Behaviour. For information concerning subscriptions write Information Retrieval Limited, Publishers and Printers, 1 Falconberg Court, London W1V5FG, England, or cable "Retrieve London W1". An enthusiastic reception has been reported from the membership of the Association for the Study of Animal Behaviour.

POSITIONS OPEN:

(1) Entomologist who is a behavioral-ecologist or physiologist; capable of teaching an undergraduate course in Entomology or related area, and advanced (undergraduate or graduate) courses in Invertebrate Behavior, Ecology or Physiology. Personal research involvement and guidance of graduate research is expected. The position is available Fall, 1973, at the level of Assistant or Associate Professor. Direct correspondence to Dr. M. A. Byrd, Chairman, Department of Biology, COLLEGE OF WILLIAM AND MARY, Williamsburg, VA 23285.

(2) The Department of Zoology of the UNIVERSITY OF WISCONSIN (Madison) is accepting applications from ethologists who have recently made significant contributions to the study of animal behavior. For an explanation of the nature of the position, write to the Chairman of the Behavior Search Committee (see below), who will forward a list of application materials desired. Materials submitted without this explanation will disadvantage a potential candidate. The University is an equal-opportunity employer, seeking to promote wide awareness of its present recruitment in ethology. Direct inquiries to Jack P. Hailman, Department of Zoology (Birge Hall), University of Wisconsin, Madison WI 53706.

(3) Joint appointment in the Departments of Psychology and Zoology: Assistant Professor with recent Ph.D. and background in Psychology, Zoology, and/or Biological Anthropology for undergraduate and graduate teaching with an ethological and comparative approach to animal behavior, and with research interests in vertebrate behavior. Send resumé, letter of interest, and three letters of recommendation immediately to Professor William C. Stebbins, Chairman of the Search Committee, Kresge Hearing Research Institute, UNIVERSITY OF MICHIGAN, Ann Arbor, MI 48104. A nondiscriminatory, affirmative action employer.

(4) The Department of Biology of the UNIVERSITY OF MISSOURI at St. Louis announces an opening at the rank of Associate or Assistant Professor, beginning August, 1973. Applicants should have teaching ability in the general area of comparative physiology, but the area of research is open. For example, individuals working on physiological problems in behavior, ecology, or evolutionary biology are welcome. Send curriculum vitae, three letters of recommendation, and reprints of publications to: Dr. Buford R. Holt, Department of Biology, University of Missouri-St. Louis, 8001 Natural Bridge Road, St. Louis MO 63121.

RING DOVES FOR SALE: Laboratory-raised Streptopelia risoria, adults and young, some laparotomized. Reasonable. F. Russell Lockner, Department of Biology, Cal-State College, Sonoma, Rohnert Park, California 94928.

WHAT DOES THE FUTURE HOLD FOR THE ANIMAL BEHAVIOR SOCIETY? The function of the ABS Policy Committee is to concern itself with planning and future policy for the Society. The Committee's aim is to help our Society to grow, prosper, and accomplish its purpose, "to promote and encourage the biological study of animal behavior..." as well as to ensure that the Society serves its members effectively. If you have any suggestions for improving our Society, or if you detect some way in which the Society is not fully succeeding in its purposes, write Donald A. Jenni, Chairman, ABS Policy Committee, Department of Zoology, University of Montana, Missoula, Montana 59801.

SOUTHEASTERN REGIONAL MEETING: As previously announced, a regional meeting is planned for May 18-20, 1973, at Clemson University. Prospective attendees who have not already done so are asked to send a post card indicating their tentative plans to attend, and listing three general topics they would like discussed at the workshops or discussion sessions. This information will aid greatly in the planning and execution of this meeting. Mail to Dr. Sidney A. Gauthreaux, Jr., Department of Zoology, Clemson University, Clemson, South Carolina 29631.

1973 ROSTER OF ABS OFFICERS AND COMMITTEE CHAIRMEN:

- PRESIDENT:** John F. Eisenberg, Scientific Research Div., National Zoological Park - Smithsonian Inst., Washington DC 20009. (202) 381-7249.
- PAST PRESIDENT:** Edwin M. Banks, Dept. Zoology, U. Illinois, Urbana, IL 61801. (217) 333-4884.
- FIRST PRESIDENT-ELECT:** Ernst S. Reese, Dept. Zoology, U. Hawaii, Honolulu, HI 96800 (808) 948-8677 or 948-8617.
- SECOND PRESIDENT-ELECT:** Jerry Hirsch, Psychology Dept., U. Illinois, Champaign, IL 61820. (217) 333-0373.
- SECRETARY:** Nancy M. Jessop, Dept. Biology, U.S. International University, San Diego, CA 92124. (714) 224-3211 (res. 753-2971)
- TREASURER:** Donald A. Dewsbury, Dept. Psychology, Psychology Building, U. Florida, Gainesville, FL 32601. (904) 392-0596 or 392-0601 or -6646.
- PROGRAM OFFICER:** C. Richard Terman, Lab. Endocrinol. & Popul. Ecology, Biology Dept., College of William and Mary, Williamsburg, VA 23185. (703) 229-3000.
- MEMBERS-AT-LARGE:** (1971) Irwin S. Bernstein, Dept. Psychology, U. Georgia, Athens, GA, 30601. (404) 963-6281 or 542-3922.
(1972) Steven T. Emlen, 145 Langmuir Laboratory, Div. Biological Sciences, Cornell U., Ithaca, NY 14850. (607) 256-4751.
(1973) Roslyn P. Warren, College of Letters and Science, U. Wisconsin, Milwaukee, WI. 53201. (414) 963-4441
- EDITOR OF ANIMAL BEHAVIOUR:** Jack P. Hailman, Dept. Zoology, Birge Hall, U. Wisconsin Madison, WI 53706. (608) 262-2636 (allow 10 rings) or 262-1051.
- ABS HISTORIAN:** A.M. Guhl, Div. Biology, Kansas State U., Manhattan, KS 66502. (913) 532-6622. (res. 539-4400).
- REPRESENTATIVE TO AAAS AND AIBS:** James Mulligan, Dept. Biology, St. Louis U., St. Louis, MO 63103. (314) 535-3300 (ex. 647). (res. 535-9540).
- **CHAIRMAN, EDUCATION COMMITTEE:** Edward O. Price, Dept. Forest Zoology, State Univ. College Forestry, Syracuse, NY 13210. (315) 476-3151, (ex. 279).
- **CHAIRMAN, MEMBERSHIP COMMITTEE:** John Fentress, Dept. Biology, U. Oregon, Eugene, Or 97401.
- **CHAIRMAN, POLICY COMMITTEE:** Donald A. Jenni, Dept. Zoology, U. Montana, Missoula, MT 59801. (406) 243-2393 or 243-5122.
- **CHAIRMAN, NOMINATING COMMITTEE:** Edwin M. Banks, Dept. Zoology, U. Illinois, Urbana, IL 61801. (217) 333-4884.
- CHAIRMAN, FILMS COMMITTEE:** Edwin Gould, School of Hygiene & Public Health, 615 N. Wolfe St., Baltimore, MD 21205. (301) 955-3291 or 661-6362.
- **CHAIRMAN, ORGANIZATION AND BY-LAWS COMMITTEE:** Steve Rebach, Dept. Biology, St. Mary's College of Maryland, St. Mary's City, MD 20686. (301) 994-1600 (ex. 294) or 863-6214.
- CHAIRMAN, PUBLIC POLICY COMMITTEE:** To be appointed.

SMITHSONIAN INSTITUTION - PEACE CORPS ENVIRONMENTAL PROGRAM: In order to meet requests by developing countries for skilled volunteers to deal with environmental problems, the Peace Corps and Smithsonian Institution are cooperating in a program intended for applicants who have completed candidate status for a Master's or Doctor's degree or hold such a degree. Some of the assignments for which volunteers are being sought include Fresh Water Fish Biologists (Brazil; Peru; Niger); Entomologists to study life histories and biocontrol agents (Dahomey, Ethiopia, Ghana, Borneo); Zoologist to plan a zoological park (Dominican Republic); Wildlife Management experts (Cameroon, Ecuador, Ghana, Kenya). For information on these and other assignments write to Robert K. Poole, Office of Ecology, Smithsonian Institution, Washington DC 20560. Many assignments can accept couples.

ANNUAL BUSINESS MEETING: The annual business meeting of the Animal Behavior Society was called to order at 5:05 PM by President Edwin M. Banks on December 29, 1972 at Washington, DC. Forty-two persons were present. The minutes of the last annual business meeting, held in Philadelphia, Pennsylvania, on December 29, 1971, were approved as published in the Newsletter of February, 1972.

1. Election results: President Banks announced the election of new officers:

Second President-elect	Jerry Hirsch
Treasurer	Donald A. Dewsbury
Editor of <u>Animal Behaviour</u>	Jack P. Hailman
Member-at-Large	Roslyn P. Warren

The President called for expression of appreciation by acclamation to the retiring officers for their years of efficient service.

2. Secretary's Report, Jessop: By action of the Executive Committee, Family Memberships are now available for \$24.00 per annum for husband and wife wishing to receive only one copy of Animal Behaviour and the Monographs.

During 1972 the Secretary's Office prepared and distributed to the membership four issues of the Newsletter, a new edition of a brochure listing graduate programs in animal behavior, and a bibliography of recent books and monographs.

It has been found that although distribution of Newsletters by bulk mail throughout the continental United States generally requires only 10-14 days, in some cases delivery is delayed by as much as 30 days, apparently at the distal receiving facilities; members experiencing such delays may wish to check with their local and campus post offices for possible causes of delay, since the San Diego Postmaster indicates that bulk mail delivery time should not exceed 2 weeks to any part of the country.

3. Program Officer's Report, Terman: The Society is sponsoring the presentation of 78 contributed papers at this meeting, as well as a symposium entitled "Ecology and Organization of Social Behavior", arranged by Edwin M. Banks and Mary F. Willson, and including 18 invited papers. At the independent summer meeting held at the University of Nevada in Reno last June, 64 contributed papers were presented, together with a symposium on "Animal Communication and Human Language: A Discontinuity in Approach or in Evolution?" The invited address at that meeting was presented by R.J. Andrew of the University of Sussex, on "The Effects of Testosterone on Persistence."

The Society will sponsor contributed paper sessions at the AIBS meetings, June 17-22, 1973, at the University of Massachusetts, Amherst; the deadline for titles and abstracts, as announced in the November Newsletter, was set for December 31 by the Ecological Society of America, which has agreed to publish the abstracts.

By action of the Executive Committee at its meeting of December 27, 1972, the Society will meet with the American Society of Zoologists and several other societies, December 27-30, 1973, in Houston, Texas. (This means that the independent meeting tentatively announced in the November Newsletter for January, 1974, at St. Louis University will not take place.) Deadlines for submitting titles and abstracts have not yet been determined, but will be announced in the May Newsletter. No symposium has as yet been organized for these winter meetings.

President Banks reminded those present that the most successful student paper of 1973 will be selected following oral presentations at the Amherst meetings. By action of the Executive Committee, the name of this award has been changed to the Warder Clyde Allee Award; this change is retroactive to include the first award, given in June, 1972.

4. Treasurer's Report, Banks for Siegel: Approximately \$34,000 is now in the treasury of the Society, from which about \$12,000 will be paid out for the journal, leaving a balance of approximately \$22,000.

Membership remained stable, with an increase in regular and student ABS members, and a decrease in those affiliated through the Divisions or Sections of ASZ and ESA: 978 regular members, 451 student members, 35 fellows, and 500 affiliates.

The following budget for 1973 was approved by vote of the Executive Committee:

RECEIPTS	1973	Budgeted 1972
Member dues, 1,100 @ \$15.00	\$15,000	\$11,000
Student dues, 450 @ \$8.00.....	3,600	3,200
Subscriptions, 500 @ \$12.50.....	6,250	4,500
Income interest.....	1,000	1,000
Miscellaneous.....	700	700
	<u>\$26,550</u>	<u>\$20,400</u>
DISBURSEMENTS		
<u>Animal Behaviour</u> , 1950 @ \$6.00	\$11,700	\$12,600
AIBS membership and delegate	800	800
Newsletter and Secretary	1,700	1,600
Membership lists and Treasurer	2,000	1,680
Editor	6,000	4,200
Office expenses, printing, postage, misc.....	1,000	800
Meetings and Program Chairman	2,200*	2,650
President	100	100
History	150	0
Education Committee.....	150	150
Contingency	750	0
	<u>\$26,550</u>	<u>\$24,580</u>

* Includes best student paper award

The Executive Committee has voted that local chairmen for independent meetings should send an accounting of receipts and expenses to the President of the Animal Behavior Society. The independent meetings are self-supporting through their registration fees (other than that the Society pays the travel expenses of the keynote speaker and the Program Officer), but it is deemed advisable for any fees collected in the name of the Animal Behavior Society to be reported in an accounting to the Executive Committee.

5. Editor's Report, Hirsch: Approximately 131 manuscripts were received in 1972; 75 have been accepted beyond those that appeared in Volume 20; 28 are under consideration; and 72 have been returned to the authors for revision and possible eventual resubmission. Due to strikes in Great Britain, the publication schedule has been delayed by about six months, but Parts 1, 2, and 3 have now been sent out and Part 4 is in process.

An ad hoc committee chaired by Jerry Hirsch was appointed last June to investigate the feasibility of publishing a journal in the United States, to augment or replace subscriptions to Animal Behaviour. The committee recommends in principle that the Animal Behavior Society establish its own journal to be published in the United States; The committee is now in contact with a lawyer who will advise the Society regarding the type of contract that would be favorable to execute with a publisher.

Open discussion of this recommendation indicated that a number of those present favored maintaining present arrangements to receive Animal Behaviour and the Monographs at the current reasonable rates, while increasing the opportunity to publish manuscripts by initiating publication of a second journal in the United States. This may be as economical as the publication of more issues per year by Baillière, Tindall (now purchased by Macmillan), and would perhaps allow more rapid publication of short progress reports. Another suggestion was that ABS consider publishing a journal to augment Animal Behaviour, to cover only some specific field, such as Behavioral Ecology. It was proposed that the Newsletter publish a request for members whose universities have their own presses, to ask them to contact the Society if they are interested in publishing its journal. At present, the number of manuscripts already accepted for Animal Behaviour should fill that journal for almost the next two years. To date, the publishers have rejected the suggestion to publish additional issues, but possibly the change in ownership to Macmillan may alter this.

6. Monograph Editor's Report; Banks for Colin Beer: Approximately nine manuscripts are now under consideration. A deficit of about \$5,000 has been accrued by the publishers, which could be alleviated if libraries which subscribe to Animal Behaviour were to commence subscribing to the Monographs as well. This year a new Monographs Editor must be appointed by the President.

7. Report of the Policy Committee, Jenni: The Policy Committee has submitted an extensive report to the President, including a number of recommendations which were considered at the Executive Committee meeting, some being acted upon as motions which have been referred to at several points during the present meeting. Ideas for improving the conduct of meetings, and so forth, should be sent to Chairman Jenni for the consideration of the Policy Committee.

8. Report of the Membership Committee, Fentress: ABS memberships are holding steady; however, a number of persons giving contributed papers at sessions sponsored by the Society have not become members, and should be urged to join. An informational brochure for prospective members will be prepared by the committee for distribution with the Newsletter as well as to prospective members on request.

The Executive Committee has voted to approve the publication of a Membership Roster later this year, to be distributed without cost to all members.

9. Report of the Education Committee, Price: During 1972 the following projects, developed under the auspices of the Education Committee, were completed: (1) the publication of the second edition of a directory of Graduate Programs in Animal Behavior, edited by Charles Howell; (2) the publication of Bibliography of Recent Books and Monographs, 1966-1971, compiled by Nancy Jessop; (3) the publication of a list of texts and periodical articles recommended for undergraduate courses in animal behavior; (4) the presentation of a workshop on "Classroom Experiments in Animal Behavior" at the 1972 National Convention of the National Association of Biology Teachers, last October in San Francisco. Gery Scherba of California State College at San Bernardino served as coordinator on behalf of the Education Committee, and the workshop was conducted by James Polt of Temple Buell College. A similar workshop is being planned for the NABT convention in St. Louis, October 1973.

Present activities of the committee include (1) publishing a listing of recent books in each Newsletter; (2) revision of the laboratory manual, Animal Behavior in Laboratory and Field. The chairman is now calling for submission of exercises for consideration, particularly field and zoo exercises and some involving invertebrates. Exercises are especially sought which can be applied to a variety of species, as locally available.

10. Report of the Film Committee, Gould: In the Newsletter of February, 1972, the committee published a list of motion picture films, giving sources, rental rates, length, and in some cases, quality. A supplement to this list will be prepared during 1973. In addition, the committee will seek to publish the listing in BioScience or in a journal of higher education.

An evening film session was scheduled for these meetings; eight films were presented, some accompanied by oral presentation of relevant research data. The chairman would like to receive communications from the membership regarding the desired percentage of time devoted to movies versus data presentation at the evening film session.

11. Report of AAAS and AIBS Representative, Mulligan: The AAAS is shifting its emphasis toward interdisciplinary presentations and societal issues, and the continuance of contributed papers sessions and technical symposia is in doubt. At these meetings an all-day session of AAAS delegates will take place, at which the new constitution adopted in December, 1971, will be implemented by adoption of bylaws. The Animal Behavior Society no longer will be represented on the AAAS Council, but will have a representative in the meetings of the Biological Science Section. It is not known as yet how active the Sections will be. The general membership hereafter will elect the Nominating Committee as well as the Officers. The AIBS may assume a leading role as a forum for contributed papers and disciplinary meetings; its pattern of summer meetings will continue. New AIBS President Robert Kraus has called for solidarity among biological societies to increase their impact on environmental legislation, education, and the like.

12. Report of the Historian, Banks for Guhl: Dr. A.M. Guhl has been working upon a history of the Society which will eventually be published for distribution to the membership. A first draft of this history has been sent to President Banks, who will make copies available for review by the Executive Committee. The history includes background material on the organization of the Society, presents the development of its aims and purposes, makes reference to minutes published in the Newsletter, and includes an appendix which will serve as a useful reference to the constitution, bylaws, officers, and so forth.

REVISION OF "ANIMAL BEHAVIOR IN LABORATORY AND FIELD": The results of the questionnaire published in the November Newsletter have pointed out some of the strengths and weaknesses of the present edition. It was commonly suggested that additional exercises be included in the following areas: (1) short term studies, on the behavior of invertebrate species, (2) physiological basis of behavior in both vertebrate and invertebrate species, (3) zoo studies, and (4) field investigations.

If you have worked out one or more relatively trouble-free exercises in any of these areas and would like to submit them for possible inclusion in the revised edition of the manual please send two manuscript copies of each exercise to: Dr. Edward Price, Chairman, ABS Education Committee, Department of Zoology, SUNY College of Environmental Science and Forestry, Syracuse NY 13210.

The Education Committee is particularly interested in publishing exercises that (1) are relatively uncomplicated and trouble-free, (2) do not require large blocks of time to complete (e.g., less than two hours per test or session), (3) are relatively inexpensive and practical from the standpoint of preparation time and requirements of apparatus, space and animal holding facilities, and (4) are "open-ended", that is, can be easily modified to suit the specific needs and available facilities of the instructor. Preference will be given to those exercises that utilize animal species readily available or accessible to scientists in North America.

RECENTLY PUBLISHED BOOKS IN ANIMAL BEHAVIOR: A new feature of the ABS Newsletter will be a quarterly listing of new and recent books in animal behavior, compiled by Dr. James Shapiro. This listing will include books published since January 1972, or published previously but not included in the Bibliography of Recent Books and Monographs, 1966-1971, which was distributed to the membership last November. Information pertaining to books which should be considered for inclusion should be sent to Dr. L. James Shapiro, Department of Psychology, University of Manitoba, Winnipeg, Manitoba R3T 2N2, Canada.

- Andrewartha, H.G. 1972. Introduction to the Study of Animal Populations, 2d ed. 281 p. Univ. Chicago Press, Chicago IL \$7.50, paper, \$3.25
- Buchsbaum, R. 1972. Animals Without Backbones: An Introduction to the Invertebrates, 2d ed., rev. 406 p. Univ. Chicago Press, Chicago IL, \$8.50, paper \$4.25
- Denenberg, V.H. (ed) 1972. The Development of Behavior. 483 p. Sinauer Associates, Stamford CN \$6.95
- Diamond, M. (ed) Perspectives in Reproduction and Sexual Behavior. 544 p. Indiana University Press, Bloomington IN 47401 \$20.00
- Farner, D.S. and J.R. King (eds) 1971. Avian Biology, V. 1. 586 p. Academic Press, NY NY
- Johnson, R.N. 1972. Aggression in Man and Animals. 269 p. W.B. Saunders, Philadelphia PA (paper)
- Kruuk, H. 1972. The Spotted Hyena: A Study of Predation and Social Behavior. 336 p. Univ. Chicago Press, Chicago IL \$15.00
- McGill, T.E. 1973. Readings in Animal Behavior, 2d ed. Holt, Rinehart & Winston, New York, NY
- Razran, G. 1971. Mind in Evolution. Houghton Mifflin, Boston, MA \$16.50
- Schaller, G.B. 1972. The Serengeti Lion. 480 p. Univ. Chicago Press, Chicago IL \$12.50
- Van Lawick-Goodall, J. 1971. In the Shadow of Man. 281 p. Houghton-Mifflin, Boston, MA
- Whittow, G.C. (ed) 1970. Comparative Physiology of Thermoregulation. Vol. 1: Invertebrates and Nonmammalian Vertebrates. 333 p. Academic Press, NY NY

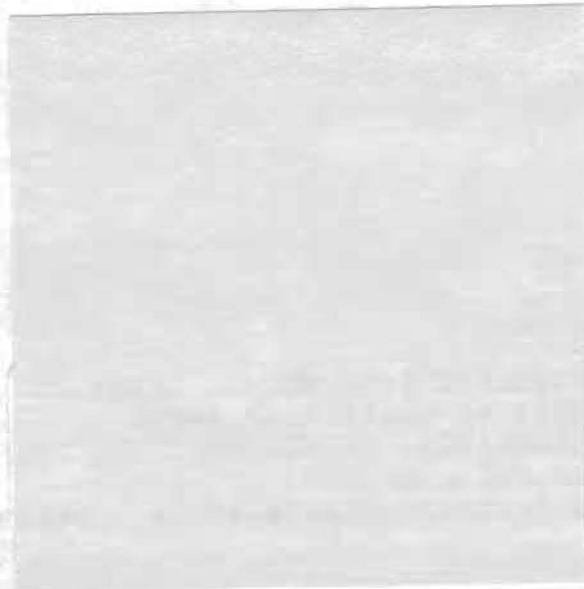
JOB PLACEMENT SERVICE: The Animal Behavior Society, while an independent organization, simultaneously represents the Division of Animal Behavior of the American Society of Zoologists. Accordingly, its members may take advantage of a new service being offered by the ASZ. In January, 1973, the ASZ began to operate a Job Placement Service to replace the separate efforts of three of its Divisions. Registrants seeking employment may benefit by this Service by payment of \$2.00 per annum to ASZ Job Placement Service, c/o Mary Wiley, Business Manager, American Society of Zoologists, Box 2739, Thousand Oaks CA 91360. Registrants receive a monthly newsletter containing up-to-date information on available positions. Hereafter, institutions offering employment in Animal Behavior may submit information not only to the Animal Behavior Society Newsletter, but also to the ASZ Job Placement Service; no charge is made to colleges and universities for this service which includes sending photocopies of vitae of registrants as requested.

NEW FILM: The 16-mm sound, color, 20 minute film, "Social Behavior and Communication in Alaska Brown Bears", is available for rental (\$4.75) or purchase(\$200.00) from Utah State University. The film, taken at the famous McNeil State Game Sanctuary on the Alaskan Peninsula, shows the social behavior of bears as they come to fish for salmon. For information on rental, preview, or purchase, write to LaDell C. Hoth, Audio-Visual Librarian, Utah State University, Logan UT 84322.

RESEARCH IN ANIMAL BEHAVIOR AT WORLD WILDLIFE SAFARI AND RESEARCH PARK: The new drive - through World Wildlife Safari and Research Park, located in southwest Oregon, is asking for proposals for research in behavior, reproductive biology, or disease and parasitism. Some of the animals available include Sumatran and Bengal tigers, cheetahs, lions, brown and striped hyenas, Asian and African elephants, yak, and Aldabra tortoises. Most species have relatively large living areas and are unmolested by tourists or staff. Daily reports by trained wildlife rangers provide a continuing source of data. For further information contact R.L. Eaton, Director, or Dr. Tom Follis, Director of Veterinary Research, P.O. Box 600, Winston OR 97496, or telephone (503) 679-6761.

BIBLIOGRAPHY OF RECENT BOOKS AND MONOGRAPHS IN ANIMAL BEHAVIOR, 1966-1971: Following the bulk mailing to all ABS members last November, sufficient copies of the new bibliography remain to allow modest orders for class quantities to be honored at .25¢ per copy (payable to ABS Secretary, N.M. Jessop). Single complimentary copies are available on request to all ABS members joining the Society in 1973. Donations of 25¢ are requested of non-members to defray printing and distribution costs.

DOES YOUR INSTITUTION'S LIBRARY SUBSCRIBE TO ANIMAL BEHAVIOUR MONOGRAPHS? Many libraries which subscribe to Animal Behaviour have not yet subscribed to Animal Behaviour Monographs, with the result that this excellent series of monographs is being published at a deficit. In order to assure that the monographs will continue to be received as a benefit of membership in the Animal Behavior Society, members may wish to request their institutional libraries to enter subscriptions for the series.



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