

NEWSLETTER

ANIMAL BEHAVIOR SOCIETY

SECTION (DIVISION) ANIMAL BEHAVIOR AND SOCIOBIOLOGY

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Ecological Society of America  
American Society of Zoologists

ANIMAL BEHAVIOR SOCIETY MEETING, LOGAN, UTAH, 1971: A tentative schedule for the 1971 ABS meeting is printed on the last pages of this newsletter. The final program will be distributed to people attending the meeting.

GRADUATE PROGRAMS IN ANIMAL BEHAVIOR: The Animal Behavior Society is revising its list of graduate programs in animal behavior. Please fill out the enclosed sheet with appropriate, up-to-date information and mail it to Dr. Charles D. Howell, Department of Biology, University of Redlands, Redlands, California 92373.

RESEARCH ASSISTANT'S POSITION, PSYCHOLOGY: A research position is open in the Research Department of Norristown State Hospital. Studies involve the development of pre-clinical screening methods for psychopharmacological agents in small animals and studies of mechanisms of drug actions using behavioral and pharmacological approaches. Qualifications: a degree in psychology with either two years of graduate education or research experience. Experience with behavioral studies involving small animals and interest in psychopharmacology is desirable. A strong background in statistics and computer methodology would be helpful. Salary: \$8,163 to \$10,954 depending on experience and training. Contact: Mr. Irwin Lourie, Research Unit - Bldg. #52, Norristown State Hospital, Norristown, Pa. 19401. Tel: (215) 275-9700, ext. 362 or 363.

BIBLIOGRAPHY: Animal Behavior: Requests for copies of Bibliography: Animal Behavior reprinted from Bioscience (1967), should hereafter be directed to the Secretary. Individual copies gratis to ABS members, \$.25 to nonmembers, or when ordered in class quantities. A supplement covering only the years 1967-1970 is now in preparation.

FOURTH INTERNATIONAL CONGRESS, INTERNATIONAL PRIMATOLOGICAL SOCIETY: The Fourth International Congress of the International Primatological Society will be held in Portland, Oregon, from the 15th through the 18th of August, 1972. The Oregon Regional Primate Research Center (ORPRC) has been asked to organize the Congress and to act as the host institution. Three full-day symposia are planned, with invited papers to be given on primate behavior, primate reproduction, and medicine/pathology; and a half-day of panel discussion on three specific topics in primate odontology will be held. Short papers are invited in these general areas, as well as in paleontology, haematology and genetics, histology, and neurology/biology; final date for submission of abstracts is 11 January, 1972. Please address all inquiries to Dr. William Montagna, General Chairman of the Congress, at ORPRC, 505 N.W. 185th Avenue, Beavertown, Oregon 97005, U.S.A.

NEW GRADUATE PROGRAMS:

University of Georgia: The Department of Psychology at the University of Georgia is offering the Masters and Ph.D. with a specialty in Primate Behavior. This program is being conducted with the cooperation of the Yerkes Regional Primate Research Center and in conjunction with the development of a parallel program in the new Department of Anthropology. An effort will be made to include a background in primate anatomy, paleontology, development, and ecology, as well as the major emphasis on field and laboratory studies in behavior. Interested students are invited to write either department for further information. (University of Georgia, Athens, Georgia 30601)

Temple University: Temple University now has a program of graduate studies in neural sciences and behavior, leading to Ph.D. and M.A. degrees in Biology or Experimental Psychology. Financial support is available in the form of teaching and research assistantships. The Graduate School also offers fellowships and traineeships from federal agencies and will remit tuition expenses for all supported graduate students. For program information and applications, write directly to the Chairman of either the Department of Biology, or the Department of Psychology, Temple University, Philadelphia, Pa. 19122.

ANIMAL BEHAVIOR FILMS: Various members of the Society have submitted information on films to Dr. Edwin Gould. A listing of some of these films, and the source from which they may be obtained, will be printed in a future newsletter. For immediate information, contact Dr. Edwin Gould, Johns Hopkins University, 615 North Wolfe St., Baltimore, Md. 21205.

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PROGRAM FOR ANIMAL BEHAVIOR SOCIETY MEETING, LOGAN, UTAH, 1971

June 14, Concurrent Session, 9:00 - noon

- EFFECTS OF EARLY EXPERIENCE ON THE DEVELOPMENT OF ALLELOMIMETIC BEHAVIOR IN TELOMIAN DOGS. J.M. Compton.
- EFFECTS OF GENOTYPE AND EARLY EXPERIENCE. V.J. DeGhett and J.P. Scott.
- THE INFLUENCE OF DIFFERENTIAL EARLY SOCIAL EXPERIENCE ON THE LEVEL OF ASYMPTOTE ACHIEVED IN POPULATIONS OF PRAIRIE DEERMICE. C.R. Terman.
- THE EFFECTS OF EARLY EXPERIENCE IN GOLDEN HAMSTERS. Martin Daly.
- DIFFERENCES IN ACQUISITION AND EXTINCTION IN TWO SPECIES OF DESERT MICE OCCUPYING DIFFERENT ECOLOGICAL NICHES. J.H. Hopwood and Dale F. Lott
- NEONATAL "ABANDONMENT" CIRES AND MATERNAL RESPONSE IN PEROMYSCUS. Jane N. Huff.
- THE EFFECTS OF REARING CONDITIONS ON REACTIONS TO MATERNAL CALLS IN WHITE PEKIN DUCKLINGS. L.J. Shapiro.
- INTRA-OVULAR AUDITORY STIMULATION OF COTURNIX EMBRYOS AND ITS LATER EFFECT ON AUDITORY PREFERENCE. J. Lien, H. Barbaree and M. Clements.

June 14, Concurrent Session, 9:00 - noon.

- SOCIAL DOMINANCE AND TERRITORIALITY IN THE BICOLOR DAMSELFISH. Arthur A. Myrberg, Jr.

THE ADAPTIVE SIGNIFICANCE OF TERRITORIAL BEHAVIOR IN NEW WORLD CICHLID FISH. G.H. Meral.

INHIBITORY PHENOMENA OF DOMINANCE RELATIONSHIPS IN THE BLUE GOURAMI. Dennis F. Frey.  
A QUALITATIVE ANALYSIS OF THE SOCIAL BEHAVIOR IN THE BLACKCHIN MOUTHBREEDER, TILAPIA MELANOTHERON. Kenneth R. Ellis. (Motion Picture).

OBSERVATIONS OF BOX TURTLES IN A YEAR OF CAPTIVITY. Robert Boice.

CLEANING SYMBIOSIS ON A FLORIDA PATCH REEF. John T. Williams, Jr.

EXPERIMENTAL STUDIES OF CLEANING SYMBIOSIS. George S. Losey, Jr.

COMMUNICATION SYSTEMS OF A GOBY-SHRIMP SYMBIOSIS. J. Lynn Mehring.

June 14, Concurrent Session, 1:30-5:00

TWO-WAY COMMUNICATION IN AN INFANT CHIMPANZEE. R.A. Gardner and B.T. Gardner.

DOMINANCE AND AGGRESSION IN RHESUS MONKEYS AFTER DIFFERENTIAL MOTHERING AND PEER DEPRIVATION IN INFANCY. Gerald Ruppenthal and Gene Sackett.

THE EFFECT OF SEX ON RESPONSE TO INTRUDERS INTO RHESUS MONKEY GROUPS. I.S. Bernstein, T.P. Gordon, J.P. Herndon, Jr., M. Peterson and P.J. Balcan.

INCESTUOUS SEXUAL ACTIVITY IN FREE-RANGING GROUPS OF RHESUS MONKEY ON CAYO SANTIAGO. Elizabeth A. Missakian.

MODIFICATIONS OF AGONISTIC BEHAVIORAL PATTERNS IN CAPTIVE AND WILD GUINEA BABOONS. Gilbert K. Boese.

SOCIAL DYNAMICS AND VISUAL COMMUNICATION IN PRIMATES. Steven B. Christopher.

ECOLOGICAL CORRELATES OF SOCIAL GROUPING IN COLUMBIAN SPIDER MONKEYS. Lewis L. Klein.

SIBLING RELATIONSHIPS AMONG WILD CHIMPANZEES IN THE GOMBE STREAM NATIONAL PARK, TANZANIA. Jane van Lawick-Goodall, Harold R. Bauer and Richard W. Wrangham.

June 14, Concurrent Session, 1:30 - 5:00 P.M.

LIGHT INTENSITY AND THE CIRCADIAN ACTIVITY RHYTHMS OF RHESUS MONKEYS. J. L. Martinez, Jr.  
SPONTANEOUS HOURLY DEVIATIONS OF THE HEADINGS OF GOLDFISH IN CONSTANT ENVIRONMENTAL CONDITIONS. H. Kleerekoper.

FACTORS AFFECTING A DAILY EN MASSE MIGRATION OF LIGIA OCCIDENTALIS (CRUSTACEA: ISOPODA) ON THE SHORE OF THE GULF OF CALIFORNIA. J. Wanless Southwick.

CIRCADIAN RHYTHMS IN THE LEAFCUTTER BEE, MEGACHILE ROTUNDATA. D. Graham Tweedy and W.P. Stephen.

AGGRESSIVE ACTIVITY OF THE AFRICAN JEWELFISH IN RELATION TO SPONTANEOUS ACTIVITY AND ILLUMINATION. Charlotte M. Sullivan and Fred T. Yamamoto.

THE TEMPORAL DISTRIBUTION OF NOCTURNAL ACTIVITY OF THE BANNERTAIL KANGAROO RAT, DIPODOMYS SPECTABILIS. Robert B. Lockard and Donald H. Owings.

CIRCADIAN RHYTHMS AND PASSIVE AVOIDANCE IN LONG EVANS HOODED RATS. Kenneth R. Ellis and J. David Barcik.

BEHAVIORAL RESPONSES OF MIGRATING BIRDS TO DAYLIGHT AND DARKNESS: A RADAR AND DIRECT VISUAL STUDY. Sidney A. Gauthreaux, Jr.

HOMING STUDIES IN TROPIC BIRDS. Howard Vogel.

June 14, Evening Lecture

INCUBATION BEHAVIOR OF GULLS. Dr. G.P. Baerends.

SYMPOSIUM, PRIMATE SOCIAL BEHAVIOR. Chairman Dr. Peter Marler

June 15, 9:00 - 12:30

THE RELATIONSHIP BETWEEN ECOLOGY AND SOCIAL STRUCTURE IN PRIMATES. John Eisenberg.  
KINSHIP AS A DETERMINANT OF SOCIAL BEHAVIOR. Donald Sade.  
ENVIRONMENTAL MODULATION OF UNLEARNED SOCIAL RESPONSES IN MACAQUES. Gene Sackett.  
VOCAL COMMUNICATION BY A GRADED SYSTEM: JAPANESE MACAQUES. Steven Green.

June 15, Concurrent Session, 2:00 - 5:00

THE EFFECT OF CROWDING ON THE BEHAVIOR OF PEROMYSCUS MANICULATUS. L.S. Simons, G.L. Gregor, R.F. Smith, and H.B. Parker.  
THE EFFECT OF CROWDING ON PAIN-ELICITED AGGRESSION IN PEROMYSCUS MANICULATUS. G. L. Gregor, L.S. Simons, R.F. Smith, and H.B. Parker.  
THE EXTINCTION OF FEAR DURING ANIMAL HYPNOSIS. F.D. Klopfer.  
THE OPERANT ANALYSIS OF AGGRESSIVE INTERACTION BETWEEN PIGEONS. Thomas B. Rees, Richard F. Smith, and Gary L. Gregor.  
CENTRAL MECHANISMS OF RELEASING (UNCLASPING) AND CLASPING IN BUFO AMERICANUS. Robert S. Schmidt.  
CLASSICAL CONDITIONING IN THE SEA ANEMONE, CRIBRENA XANTHOGRAMMICA. Charlene Groff, John Haralson and Robert A. Stewart.  
COMPARISON OF WILD F<sub>1</sub> AND DOMESTIC RATS RATTUS NORVEGICUS IN APPETITIVE FREE-OPERANT PROCEDURES. Richard D. Millar and Robert Boice.  
DANCING IN FLIES: ITS ROLE IN REGULATION OF FOOD INTAKE. Margaret S. Nelson.  
PASSIVE AVOIDANCE: AN ANALYSIS OF BEHAVIORAL INHIBITION. J.D. Barcik and K.R. Ellis.  
(Motion Picture)

June 15, Concurrent Session, 2:00 - 5:00

THE COURTSHIP AND SEXUAL BEHAVIOR OF THE GREEN AGOUCHI, MYOPROCTA PRATTI. Devra G. Kleiman.  
SOCIAL DOMINANCE AND MATING ACTIVITY IN THE TASSEL-EARED SQUIRREL. Robert C. Farentinos.  
SCENT MARKING AND DOMINANCE IN MALE HAMSTERS. Robert E. Johnston.  
ANDROGEN LEVELS AND DOMINANCE STATUS IN MALE GOLDEN HAMSTERS. Lee C. Drickamer and John G. Vandenberg.  
FOOD DEPRIVATION AS A FACTOR INFLUENCING TERRITORIAL BEHAVIOR IN ALBINO HOUSE MICE. Patrick Powers and Robert Boice.  
THE ANALYSIS OF SMALL GROUP SOCIAL STRUCTURE BY METRIC MULTIDIMENSIONAL UNFOLDING. Allen Yates.  
SEASONAL CHANGES IN THE SOCIAL ORGANIZATION OF UTA GROUP SQUIRRELS. Richard T. Paul.  
TERRITORIAL MAINTENANCE BEHAVIOR IN TWO SPECIES OF EARED SEAL. Roger Gentry.  
REPLACEMENT OF INDIVIDUALS IN THE POLYANDROUS SOCIAL STRUCTURE OF THE AMERICAN JACANA. Donald A. Jenni.

June 15, Behavior Films, 7:30 -

June 15, Informal Discussion: VERTEBRATE SOCIAL SYSTEMS, Dr. Edwin M. Banks, Leader. 7:30 -

June 16, Concurrent Session, 9:00 - noon

EFFECTS OF LESIONS IN THE MEDIAL PREOPTIC-ANTERIOR HYPOTHALAMIC REGION ON MATING, SCENT MARKING AND AGGRESSIVE-DOMINANCE BEHAVIOR OF MALE DOGS. Benjamin L. Hart.

NEONATAL ORGANIZATION OF AGGRESSION IN MICE: CORRELATION OF CRITICAL PERIOD WITH UPTAKE OF HORMONE. J.M. Whitsett, F.H. Bronson, P. Peters and T.H. Hamilton.  
DOMINANCE BEHAVIOR OF WILD, DOMESTIC AND HYBRID RATS. Edward Price and John Boreman.  
DOMINANCE AND PREDATORY BEHAVIORS OF GRASSHOPPER MICE, ONYCHOMYS LEUCOGASTER. Janet A. Witter and Robert Boice.  
HOW PREDATORY BEHAVIOR COMPARES WITH FIGHTING IN MICE. Karla Thomas.  
SOME ASPECTS OF PREY PREFERENCE AND INTERSPECIFIC BEHAVIOR OF THE SHREW, SOREX VAGRANS. Victor J. Stevens.  
PREDATORY AND FEEDING BEHAVIOR IN THE LION, PANTHERA LEO. Randell L. Eaton  
PREY SELECTION, ECOLOGY AND EVOLUTION. Helmut C. Mueller.

June 16, Concurrent Sessions, 9:00-noon

SOUND STIMULI AND FOLLOWING: FREQUENCY, RATE AND DURATION. Gloria J. Fischer.  
PAIRED TACTILE AND AUDITORY STIMULATION OF COMMON MURRE EMBRYOS AND ITS EFFECT ON POST HATCH FOLLOWING. Maureen Clements and Jon Lien.  
DEVELOPMENT, NUTRITION AND LEARNING IN YOUNG CHICKS. Jerry A. Hogan  
LEARNING-SET AND THE EVOLUTION OF LEARNING IN BIRDS. Alan C. Kamil, Michael Lougee and Maxwell W. Hunter III.  
SUCCESSIVE DISCRIMINATION REVERSAL AS A METHOD TO EVALUATE "COUNTING" IN RATS. Robert A. Fox and F.D. Klopfer.  
MANIPULATIVE BEHAVIOR IN APES, MONKEYS AND PROSIMIANS. Christopher E. Parker.  
THE LEARNING SKILLS OF GREAT APES. Duane M. Rumbaugh.  
HABITUATION AND RETENTION OF HABITUATION IN ANNDLIDS. Stanley C. Ratner.

June 16, Concurrent Session, 1:30 - 5:00

SIMILAR USE OF A SIMILAR VOCALIZATION BY A MONGLOID HUMAN CHILD AND YOUNG CAPTIVE GORILLAS, Carolyn Ristau.  
SONG VARIATION AND PROGRAMMING IN THE SONGBIRD GENUS PASSERELLA. James A. Mulligan and William R. Fish.  
REPRODUCTIVE AND SOCIAL BEHAVIOR OF THE TWITE, CARDUELIS FLAVIROSTRIS. Paul Munding.  
CONTRIBUTING FACTORS TO BIRDS SUSCEPTIBILITY TO ALARM STIMULI. Gordon W. Boudreau.  
THE FORMATION AND SUCKLING BEHAVIOR OF COMPOSITE LITTERS IN DOMESTIC SWINE. Walter C. Biggs and Thomas L. Quay.  
PASSIVE AVOIDANCE IN SEPTAL RATS. Wendell J. Goesling, Stephanie Shields and K. Truxaw.  
MECHANOSENSORY PROJECTIONS TO VENTROBASAL THALAMUS OF AGOUTI, DASYPROCTA AGOUTI. Rocco A. Bombardieri, Jr., John I. Johnson, Jr., and Gilberto B. Campos.  
APPETITIVE BEHAVIOR AS AN INDICATOR OF MOTIVATION. Ernst S. Reese.  
AN EXPERIMENTAL EXAMINATION OF THE ANTI-PREDATOR RESPONSE IN THE MONGOLIAN GERBIL, MERIONES UNGUICULATUS. Harold R. Bauer.

June 16, Concurrent Session, 1:30 - 5:00

PATTERN AND BRIGHTNESS DISCRIMINATION IN THE BANDED GECKO, COLEONYX VARIEGATUS. Patricia Baird and Velma J. Vance.  
VISUAL STIMULI AND EDGE PERCEPTION IN INSECTS. Rudolf Jander.  
VISUAL SHAPE DISCRIMINATION IN THE FIDDLER CRAB, UCA PUGILATOR. James W. Langdon.  
TASTE AND OLFACTION IN REJECTION OF BITTER SUBSTANCES IN MICE. Rosyln P. Warren and Richard C. Lewis.  
THE EFFECTS OF ELECTRIC POWER LINES ON THE FLIGHT BEHAVIOR OF WATERFOWL. Daniel E. Willard.

EFFECT OF ATROPINE SULFATE ON SHOCK ESCAPE. Karla Lane, William Beatty and Jamshid Khalili.  
THE EFFECTS OF METHYLPHENIDATE AND ATROPINE SULFATE ON ACQUISITION OF FR ESCAPE BEHAVIOR. J. Khalili and E. Gerbasi.  
YEAR TO YEAR TERRITORIAL STABILITY AND MATING SUCCESS IN MALE SAGE GROUSE. Jonathan E. Hartzler.  
FACTORS AFFECTING THE OUTCOME OF INTERSPECIFIC AGGRESSIVE ENCOUNTERS BETWEEN BLACK-CAPPED AND MOUNTAIN CHICKADEES. Michael E. Minock.  
TIME AND MOTION STUDY OF AGONISTIC BEHAVIOR IN RED JUNGLE FOWL. Richard H. Wilson.  
SOCIAL FACILITATION OF NEST-BUILDING IN EXPERIMENTAL COLONIES OF A WEAVERBIRD: IMPORTANCE OF COLONY SIZE. N.E. Collias, J.K. Victoria and R.J. Shallenberger.

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PLEASE SEND ANY CHANGES OF ADDRESS DIRECTLY TO THE ABS TREASURER: DR. PAUL B. SIEGEL, DEPARTMENT OF POULTRY SCIENCE, VIRGINIA POLYTECHNIC INSTITUTE, BLACKSBURG, VIRGINIA 24061

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