

Calendar of Events

AAAS Socio-Psychological Prize

Through the generosity of the late Arthur F. Bentley, the AAAS offers an annual prize of \$1000 for a theoretical and experimental essay that furthers understanding of the psychological-social-cultural behavior of human beings. The prize is intended to encourage studies and analyses of social behavior based on explicitly stated assumptions or postulates leading to conclusions or deductions that are tested by systematic empirical research or, stated in other terms, to encourage in social inquiry the development and application of the kind of dependable methodology that has proved so fruitful in the natural sciences.

Entries should present a completed analysis of a problem, the relevant data, and an interpretation of the data in terms of the postulates with which the study began. Unpublished manuscripts and manuscripts published after 1 January 1968 are eligible. *The deadline for receipt of entries in the 1969 contest is 1 September.* For instructions on how to submit an entry, write to Socio-Psychological Prize Contest, 1515 Massachusetts Ave., NW, Washington, D.C. 20005.

Courses

Small Computer Techniques for Molecular Models, St. Louis, Mo., 28 July–8 August. An intensive workshop on the techniques of assembly, manipulations, and display of molecular models is being planned which will include input format, matrix mathematics, Van der Waal's checking, and algorithms for line and stereo displays. Efficient algorithms for small machines will be stressed because of the widespread availability of laboratory computers. Previous experience with computers is not required. All interested individuals should submit a letter stating their potential use of these techniques as well as a curriculum vitae. Limited fellowships to defray expenses are available. *Deadline for applications: 25 April.* (Dr. G. R. Marshall, Computer Systems Laboratory, Washington University, 724 South Euclid Ave., St. Louis, Mo. 63110)

Mammalian Genetics, Bar Harbor, Maine, 28 July–8 August. This course is intended to stimulate investigation in mammalian genetics and to assist investigators already working in the field or on the periphery of mammalian genetics. Topics which will be discussed include the principles of genetics, linkage, quantitative inheritance, detection of mutations, mutation rate, histocompatibility, protein variations, hemoglobins, cytogenetics, sex determination, hematopoiesis, developmental genetics, behavioral genetics, and regulation of gene action. Applications are invited from staff members of universities, medical schools, independent research institutions, and government laboratories. The application should contain (i) brief curriculum vitae, (ii) statement of why the applicant wishes to take the course, (iii) statement of what benefits the applicant expects to gain by taking the course, and (iv) brief outline of the applicant's background in genetics. *Deadline for applications: 15 April.* (Dr. Elizabeth S. Russell, The Jackson Laboratory, Bar Harbor 04609)

Summer Institute on **Computer Science in Social and Behavioral Science Research**, Boulder, Colo., 16 June–18 July (funded by the National Science Foundation). Is intended for college teachers in the social and behavioral sciences. The areas to be covered are the general area of psychological processes, man-machine interaction, data analysis and quantitative methods, artificial intelligence and problem solving with computer models, computer models and simulation of personality, and social models in regional economics, urban planning, and computer-assisted instruction. In order to be eligible, an applicant must generally satisfy the following requirements: (i) must have at least a master's degree in some field of the social or behavioral sciences, or computing science (a Ph.D. is desirable); (ii) must, generally, be a teacher in a department of psychology, sociology, economics, anthropology, or a related discipline (for example, computing science). Applicants with some background in mathematics and statistics will be considered more favorably in the selection of participants. At the conclusion of the institute, each participant will receive \$500, a \$75 allowance per dependent, and a travel allowance. *Deadline for applications: 15 April.* (Prof. Daniel E. Bailey, Institute for Computing Science, Ketchum 8, University of Colorado, Boulder 80302)

Treating topics of importance in Biology

CELL STRUCTURE AND FUNCTION, Second Edition

Ariel G. Loewy, *Haverford College and Philip Siekevitz, The Rockefeller University*

Expanded and revised, this best-selling text emphasizes correlating structure and function and demonstrates how the major advances in modern cell biology have been achieved through an integration of structure and function, especially at the molecular level. April 1969 / 512 pages / \$7.95 paper (tent.)

GENETICS, Second Edition

Robert Paul Levine, *Harvard University*

Now substantially revised and updated, this book analyzes the nature, transmission, and function of genetic material. *Modern Biology Series.* 1968 / 224 pages / \$3.95 paper

BEHAVIOR

William G. Van der Kloot, *New York University School of Medicine*

This introduction to behavior combines the different approaches used by biologists and psychologists in their experimental analyses of animal behavior. *Modern Biology Series.* 1968 / 176 pages / \$2.95 paper

ANIMAL DIVERSITY

Milton Fingerman, *Tulane University*

The author uses the concept of evolution as the central theme in describing the probable evolutionary relationships of the major phyla in the animal kingdom. *Modern Biology Series.* March 1969 / 224 pages / \$2.95 paper

MICROBIAL LIFE, Second Edition

William R. Sistrom, *University of Oregon*

The author's major purpose is to make the reader aware of microorganisms, especially bacteria, as living, growing creatures. In particular, he emphasizes function: what these organisms actually do and how they behave. *Modern Biology Series.* January 1969 / 128 pages / \$2.95 paper

ANIMAL STRUCTURE AND FUNCTION, Second Edition

Donald R. Griffin, *The Rockefeller University, and Alvin Novick, Yale University*

In this study of the structure and function of animals, particular attention is given to organ systems. Comparative material, as well as general principles, are emphasized, and much of the comparative discussion is new to this edition. *Modern Biology Series.* June 1969 / 240 pages / \$3.50 paper (tent.)

EVOLUTION, Second Edition

Jay M. Savage, *University of Southern California*

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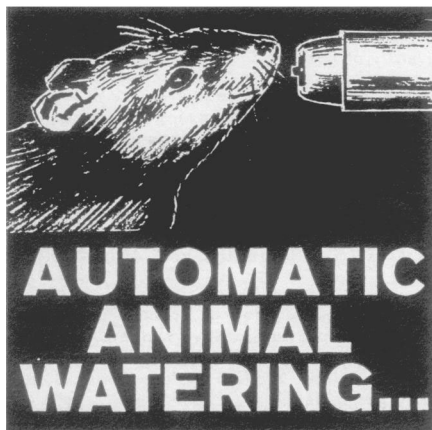
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MOLECULAR MECHANISMS OF TEMPERATURE ADAPTATION

Edited by C. LADD PROSSER
Published 1967

A symposium presented at the Berkeley Meeting of AAAS, December 1965. AAAS Publication No. 84, 398 pages, 41 tables, 127 illustrations, bibliography, index. Regular Price \$12.50. AAAS Members' Cash Orders \$10.50.

Molecular Mechanisms of Temperature Adaptation is a collection of papers on the general physiology of temperature adaptation in cold-blooded animals, plants, and microorganisms. Twenty-four contributors from the Soviet Union, Germany, Canada, Denmark, and the United States report recent research findings on the diverse molecular mechanisms of response, acclimation, and adaptation to heat and cold in bacteria, plant cells and tissues, insects, fishes, amphibians, and reptiles.

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