

# books OF THE WEEK

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**ABNORMAL BEHAVIOR IN ANIMALS**—M. W. Fox, Ed.—Saunders, 1968, 563 p., illus., \$19.50. Contains wide range of contributions from both laboratory research and veterinarians engaged in general practice or applied research. Analyses of the factors contributing to behavioral disturbances in animals include diagnosis, recognition of etiological factors, possible prognosis and treatment.

**ADVANCED HEAT TRANSFER**—B. T. Chao, Ed.—Univ. of Ill. Press, 1969, 459 p., \$12.50. Collection of revised lecture notes ranging from discussion of convective and radiative heat transfer, numerical methods, critical two-phase flow to heat transfer in bioengineering and other topics.

**APOLLO ON THE MOON**—Henry S. F. Cooper, Jr.—Dial Press, 1969, 144 p., \$4.50. Book deals with the procedures that the astronauts will follow during their first visits on the moon, their plans for landing, working and exploring.

**THE BASIS OF PROGRESSIVE EVOLUTION**—G. Ledyard Stebbins—Univ. of N.C. Press, 1969, 150 p., illus., \$5; paper, \$1.95. Develops, in broad outlines, a philosophy of the nature of life and evolution which is based upon recently acquired knowledge about living matter at the molecular level as well as on observations and experiments over the past 40 years.

**BRAIN, MIND AND COMPUTERS**—Stanley L. Jaki—Herder & Herder, 1969, 267 p., \$7.50. Deals with the relation between the human mind and the computer, reviews the major steps of computer development and relevant results in brain research, psychology, symbolic logic and linguistics.

**BUNJIL'S CAVE: Myths, Legends and Superstitions of the Aborigines of South-East Australia**—Aldo Massola—Lansdowne (Humanities Press), 1969, 208 p., photographs, illus., maps, \$10. Lists locations and shows that Aboriginal folklore was connected both with the behavior of animals and with the natural features and configurations of the land.

**CELLULAR IMMUNOLOGY, Books One & Two**—Sir F. Macfarlane Burnet—Cambridge Univ. Press, 1969, 726 p., illus., \$18.50. Describes immune action in terms of a Darwinian process of inheritable change and selection by proliferation and death among the mobile cells of the mammalian body. The second part of the book is for the research worker and specialist, citing all the documentary evidence for the clonal selection theory as outlined in Book One. See also: **SELF AND NOT SELF**.

**THE CHALLENGE OF CLIMATE: Man and His Environment**—Robert Silverberg—Meredith Press, 1969, 326 p., \$5.95. Cites examples from history, drawing on the latest archaeological findings, to illustrate the effect of climate on civilizations and cultural development, including discussion of climatic shifts in the New World.

**COASTS**—E. C. F. Bird—M.I.T. Press, 1969, 246 p., 34 photographs, 95 drawings, \$7.50. Designed to provide an up-to-date account of coastal geomorphology, drawing examples from various parts of the world, describes cliffs, beaches, dunes, lagoons, deltas, estuaries and other changing landforms bordering the sea.

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**COMMUNICATIONS: In the World of the Future**—Hal Hellman—Evans (Lippincott), 202 p., photographs, diagrams, \$4.95. Informative and readable book, summarizes possible applications of today's inventions in future communication systems.

**COMPLEMENTARITY IN BIOLOGY: Quantization of Molecular Motion**—James P. Isaacs and John C. Lamb—Johns Hopkins Press, 1969, 175 p., \$6.50. Monograph deals with the nondeterministic nature of living processes, explores the development of quantum hypothesis for biology and the implications of unsuspected quantization in biology.

**CORRESPONDENCE OF PASTEUR AND THUILLIER** Concerning Anthrax and Swine Fever Vaccinations—Transl. and edited by Robert M. Frank and Denise Wrotnowska, preface by Pasteur Vallery-Radot—Univ. of Ala. Press, 1969, 240 p., illus., \$7.50. Some 60 letters and other documents hitherto unpublished, in both French and English, afford the reader a view of 19th century experimental science in its social context.

**CYBERNETIC SERENDIPITY: The Computer and the Arts**—Jasia Reichardt, Ed.—Studio International (Praeger), 1969, 101 p., illus., \$8.95. Chronology of cybernetics and survey of the present state of achievement in the creation of artistic forms through digital computer use, shows engineers moving from problem solving to aesthetic exploration.

**CYBERNETICS**—John F. Young—Am. Elsevier Pub. Co., 1969, 139 p., illus., \$6. The author treats cybernetics as a whole field of research at the border of many disciplines, reviews the vast amount of recent work on various aspects of cybernetics, without mathematics or jargon, and considers present controversies and future possibilities.

**DEFECTS AND RADIATION DAMAGE IN METALS**—M. W. Thompson—Cambridge Univ. Press, 1969, 384 p., 39 plates, diagrams, \$18.50. Describes the nature of lattice defects in metal crystals, wide coverage includes developments in understanding collision cascades, clustering of point defects and behavior of impurities induced by irradiation.

**EPISTOLE TO THE BABYLONIANS: An Essay on the Natural Inequality of Man**—Charles L. Fontenay—Univ. of Tenn. Press, 1969, 211 p., \$6.25. A philosophical discourse on the roles and impact on human development of individualistic man and of socially oriented man.

**ETHICAL ASPECTS OF EXPERIMENTATION WITH HUMAN SUBJECTS: Deedalus**, Spring 1969—Henry K. Beecher and others, introd. by Paul A. Freund—Am. Acad. of Sciences, 1969, 390 p., paper, \$3. Essays based on Working Party papers considering such issues of medical experimentation as consent, professional competence, review mechanisms, legal liability, protection of privacy, and government regulations.

**FARMING THE SEA**—Alexander McKee—Crowell, 1969, 198 p., 36 photographs, \$6.95. Informative and detailed survey of man's exploration and technological advances in his effort to search and develop underwater and deep-sea resources.

**50 WIT-SHARPENERS**—Nicholas E. Scripture—Van Nostrand, 1969, 67 p., illus. by John Ridley Fowler, \$2.50. Offers relaxation figuring out a variety of acrostics, word squares, alphametics, codes and logic patterns.

**THE FISCAL REVOLUTION IN AMERICA**—Herbert Stein—Univ. of Chicago Press, 1969, 526 p., \$10. Noted economist and current member of the President's Council of Economic Advisors tells the story of the fiscal policy changes in terms of its leading participants and their thinking and action at critical points during the past forty years.

**FORMULAS, METHODS, TIPS AND DATA FOR HOME AND WORKSHOP**—Kenneth M. Swezey—Harper, 1969, 691 p., \$7.95. Practical information covers wood selection, finishing and preservation, paints and paint removers, metal finishing, concrete and plaster, adhesives, cleaners, craft materials, photography, cosmetics, pesticides, calculations and conversions.

**THE FUTURE OF THE STRATEGIC ARMS RACE: Options for the 1970's**—George W. Rathjens—Carnegie Endowment for International

## —MEET THE HEAVENS!

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**SKY AND TELESCOPE** Cambridge, Mass. 02138

Peace (Taplinger), 1969, 53 p., paper, 60¢ direct to Taplinger Pub. Co., 29 E. 10th St., New York, N.Y. 10003. Background study to the debate on strategic balance, factors affecting decisions on development of MIRV and ABM, and options to curtail the arms race.

**GAME THEORY IN THE BEHAVIORAL SCIENCES**—Ira R. Buchler and Hugo G. Nutini, Eds.—Univ. of Pittsburgh Press, 1969, 268 p., diagrams, \$8.95. Collection of essays on methodology, demonstrates the application of game theory, linear programming and graph theory to anthropological data.

**THE GENETICS OF BACTERIA AND THEIR VIRUSES: Studies in Basic Genetics and Molecular Biology**—William Hayes—Wiley, 1969, 2nd ed., 925 p., 35 plates, diagrams, \$13.75. On the postgraduate level the book presents the various novel genetic systems which have been found in microorganisms, especially in bacteria and their viruses, against the background of more classical behavior.

**GUIDE TO MILITARY-LOAN FILM (16mm), 1969-70**—Daniel Sprecher—Serina Press, 1969, 148 p., paper \$4.95. Gives synopses of some 1,430 movies available on loan free of charge, films interpret the business of U.S. Army, Navy, Air Force and Marine Corps, includes some professional medical films, Corps of Engineers' projects and R&D progress reports.

**THE HIGHER LEARNING, THE UNIVERSITIES AND THE PUBLIC**—Carl Kayesen—Princeton Univ. Press, 1969, 85 p., \$4.75; paper, \$1.95. Examines the social functions of the American university in relation to its basis of financial support, and treats the justification for public support of learning and the training of students together with support of research and scholarship.

**THE HISTORY OF THE ABACUS**—J. M. Pullan—Praeger, 1969, 127 p., illus., \$4.95. Drawing on the findings of archaeology, on Greek, Roman and medieval written sources, the book traces the history of the abacus from the prehistoric era to the eighteenth century.

**SELF AND NOT-SELF: Cellular Immunology, Book One**—Sir F. Macfarlane Burnet—Cambridge Univ. Press, 1969, 318 p., illus., \$8.50; paper, \$2.95. An essay for biologists, describes immune action in terms of the clonal selection theory, from different points of view and at different levels of elaboration, but with a minimum of references.

## How to Argue and Win!



Here is a clear simply written basic guide to logical thinking, showing how to spot the fallacies, the prejudices and emotionalism, the inappropriate analogies, etc., in the other fellow's argument and how to watch for and avoid the irrational in your own judgments. The author makes plain not only *how* but also *why* people resist facing the truth.

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