

# New Books

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**ANNUAL REVIEW OF GENETICS**, Vol. 8—Herschel L. Roman, Allan Campbell and Laurence M. Sandler, Eds.—Annual Reviews, 1974, 480 p., diagrams, \$15. Topics include biochemical genetics of bacteria, the origin of RNA tumor viruses, pheromones as a means of genetic behavior control, and frameshift mutations.

**APES, MEN, AND LANGUAGE**—Eugene Linden—Sat Rev Pr (Dutton), 1975, 320 p., drawings by M. G. Linden, \$8.95. Tells how chimps are taught the sign language used by the deaf, and compares their language development with that of human children.

**ATMOSPHERIC WAVES**—Tom Beer—Wiley, 1975, 300 p., photographs, diagrams, \$47.50. Presents comprehensively the theory of atmospheric waves—waves in real atmospheres, in the lower atmosphere, atmospheric tides, waves in the ionosphere, with full mathematical treatment throughout.

**CABLE TELEVISION: A Guide to Federal Regulations**—Steven R. Rivkin—Crane-Russak, 1975, 381 p., tables, \$16. Presents in detail FCC rules and policies concerning CATV copyright, channel capacity, technical standards, role of state and local authorities, and includes relevant FCC documents and Supreme Court reports.

**THE CHEMISTRY OF CLAY-ORGANIC REACTIONS**—B. K. G. Theng—Wiley, 1974, 352 p., diagrams, tables, \$47.50. Monograph summarizes available data on the interactions of organic compounds with clay materials, indicating the classes of compounds studied as complexing agents, and the factors known to influence formation and properties of resultant complexes.

**CONCEPTUAL BLOCKBUSTING: A Guide to Better Ideas**—James L. Adams—W H Freeman, 1975, 150 p., illus. \$5.95. An invitation to think about thinking, eliminate perceptual, environmental and emotional blocks, develop conscious techniques of overcoming such blocks, try visual thinking, brainstorming.

**A DICTIONARY OF SLAVIC WORD FAMILIES**—Compiled by Louis Jay Herman—Columbia U

Pr, 1975, 682 p., \$20. Affords a broad view of the vocabulary structure of four major Slavic languages—Russian, Polish, Czech and Serbo-Croatian, by assembling 200 groups of the more productive roots occurring in those languages, with some 13,500 derivatives in all.

**DIRECTIONAL BROADCAST ANTENNAS: A Guide to Adjustment, Measurement & Testing**—Jack Layton—TAB Bks, 1974, 210 p., illus., tables, \$12.95. Deals primarily with the practical aspects of installing, adjusting, maintaining, and making periodic measurements on directional antennas.

**EXPENDABLE AMERICANS**—Paul Brodeur—Viking, 1974, 174 p., \$8.95; paper, \$3.45. A detailed case history and analysis of occupational health hazards, lax enforcement of government regulations, in plants working with asbestos and other toxic chemicals.

**EXPERIMENTS ON MYSELF: Memoirs of a Surgeon in Germany**—Werner Forssmann, translated from German by Hilary Davies; foreword by André Cournand—St. Martins, 1975, 352 p., \$10.95. Professional and personal reminiscences of the Nobelist who won the Prize for his work developing cardiac catheterization.

**THE FAR SIDE OF CONSCIOUSNESS**—Daniel Cohn—Dodd, 1975, 224 p., photographs, \$6.95. Describes and analyzes facts and theories of various psychic phenomena such as TM, alpha feedback, yogis, faith healing, ESP, altered states of consciousness, human programming, and attempts to develop a science of religious experience.

**FROM KNOW-HOW TO NOWHERE: The Development of American Technology**—Elting E. Morison—Basic Bks, 1975, 212 p., illus., \$10. Highly readable short history of purposeful American inventiveness, from building things in early America, to developing the Tungsten filament. Concludes with thoughts about that larger vision of human uses and ends that seems sometimes lost in the linear progression of technological change.

**FUNCTIONAL CHEMISTRY OF THE BRAIN**—Adrian J. Dunn and Stephen C. Bondy—Spectrum (Halsted Pr), 1974, 286 p., diagrams, \$14.95. Gives a concise overview of the present state of brain biochemistry incorporating research from a variety of disciplines.

**GAMING: The Future's Language**—Richard D. Duke—Sage (Wiley), 1974, 240 p., diagrams, \$12.50. Explores the dramatic increase of gaming/simulation as a communication form, the game design process, the technique's potential, and its diffusion through the social sciences for both academic and applied purposes.

**GARDENING INDOORS WITH HOUSE PLANTS**—Raymond P. Poincelot—Rodale, 1974, 277 p., photographs, drawings, \$8.95. Deals comprehensively with growing healthy plants indoors the organic way.

**GEMSTONE & MINERAL DATA BOOK: A Compilation of Data, Recipes, Formulas and Instructions for the Mineralogist, Gemologist, Lapidary, Jeweler, Craftsman and Collector**—John Sinkankas—Collier Bks, 1974, 346 p., tables, paper, \$4.95. Reprint of sourcebook first published in 1972.

**THE HERITAGE OF COPERNICUS: Theories "Pleasing to the Mind"**—Jerzy Neyman, Ed.—MIT Pr, 1974, 552 p., photographs, diagrams, \$25. Volume sponsored by the National Academy of Sciences, describes a number of Copernican-type intellectual revolutions characterized by new conceptualizations that resulted in deepened understanding of natural pro-

cesses in the fields of cosmology, biology, chemistry, physics and mathematics.

**HIGH BLOOD PRESSURE: What Causes it. How to Tell if You Have it. How to Control it for a Longer Life**—Frank A. Finnerty, Jr., M.D. and Shirley Motter Linde; forewords by Theodore Cooper, M.D. and Richard Ross, M.D.—McKay, 1975, 320 p., \$9.95. Concise, full and authoritative information for the general public.

**HOW MAMMALS RUN: Anatomical Adaptations**—P. P. Gambaryan, transl. from Russian—IPST (Wiley), 1974, photographs, drawings, \$26.75. Russian investigations on the gaits of mammals, the biomechanics of terrestrial locomotion, adaptations to running in ungulates, elephants, carnivores, rodents and marsupials.

**LANGUAGE AS A HUMAN PROBLEM**—Morton Bloomfield and Einar Haugen, Eds.—Norton, 1974, 285 p., \$12.50. Seventeen linguists, psychologists anthropologists and educators explore such problems of language as literacy, translation, bilingualism, language teaching, language and nationalism, the role of dialects.

**THE MAGNIFICENT BIRDS OF PREY**—Philip S. Callahan—Holiday Hse, 1974, 190 p., photographs, illus., map, glossary, \$6.95. Gives a stirring account of the lives of falcons, eagles, kites, hawks, ospreys and owls, their flight, senses, behavior, migrations, and describes the reviving sport of falconry.

**MATHEMATICAL STRUCTURE IN HUMAN AFFAIRS**—R. H. Atkin—Crane-Russak, 1975, 212 p., diagrams, \$18.75. Sets forth the author's innovative techniques for applying modern mathematics to patterns of complexes, the game of chess, Piet Mondrian's art, holes in space, urban structure, and the network of political committees.

**THE NATIONAL FACULTY DIRECTORY 1975: An Alphabetical List with Addresses of about 435,000 Members of Teaching Faculties at Junior Colleges, Colleges and Universities in the United States and at Selected Canadian Institutions**, Vol. 1: A-Ladr, Vol. 2: Lads-Z—Gale Research, 1975, 2,335 p., \$85.

**NEW FRONTIERS OF MEDICINE**—Kenneth K. Goldstein—Little, 1974, 320 p., \$8.50. Explores breakthroughs in medicine in the near and far future, using current research for the one, and speculation by many authorities for the other.

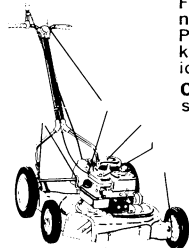
**THE OPTIMAL PERSONALITY: An Empirical and Theoretical Analysis**—Richard W. Coan—Columbia U Pr, 1974, 252 p., \$12. Reports a major attempt to apply techniques of multivariate analysis to the domain of the optimal personality, and to examine the theoretical implications of the findings obtained.

**PHAGE**—Sewell P. Champe, Ed.—DH&R (Halsted Pr), 1974, 435 p., photographs, diagrams, \$27. Compendium of benchmark papers dealing primarily with the biology of the bacteriophage, covering that 30-year period from 1942 to 1972 when the knowledge of the bacterial viruses became a separate field of knowledge.

**SMALL APPLIANCE REPAIR GUIDE**, Vol. 2—Leo G. Sands—TAB Bks, 1974, 210 p., illus., \$7.95; paper, \$4.95. Practical advice for the do-it-yourself householder, to repair small personal-care and kitchen appliances, air-processing and heating equipment.

**SUCCESSFUL AGING**—Olga Knopf, M.D.—Viking, 1975, 252 p., \$8.95. A wise and positive, professional and well-organized book dealing with the process of growing old, from medical as well as psychological points of view. Addressed to the aged by psychiatrist who, active at 85, has made a special study of the subject for many years.

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