

books OF THE WEEK

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GENETIC FACTORS IN "SCHIZOPHRENIA"—Arnold R. Kaplan, Ed., forewords by Arnold Sorsby and Newton E. Morton—Thomas, C. C., 1972, 698 p., diagrams, \$43. Contributions to the field of human behavior genetics, involving the clinical, biological and sociocultural aspects of mental disorder. See story p. 58.

HUMAN FACTORS IN HIGHWAY TRAFFIC SAFETY RESEARCH—T. W. Forbes, Ed.—Wiley-Interscience, 1972, 419 p., illus., \$19.95. Brings together investigations from many diverse areas of engineering psychology and highway safety, individual specialists treat such topics as characteristics of drivers, highway signs, skills and judgment, effects of fatigue, alcohol and drugs, and pedestrian studies.

THE LOCH NESS MONSTER—Elwood D. Baumann—Watts, F. 1972, 153 p., photographs, map, \$5.95. An account of the long search and speculations about the aquatic monster occasionally "sighted" in the lake of the Scottish Highlands.

THE LOW SALT, LOW CHOLESTEROL COOKBOOK—Myra Waldo—Putnam, 1972, 322 p., illus. by Nathan Gluck, tables, \$6.95. Presents the facts as stated by the Committee on Nutrition of the American Heart Association and offers more than 300 tasty low calorie, low fat, low salt recipes. Tables give fat content of foods.

MANAGEMENT OF NEGLECTED TRAUMA—J. Francis Silva, foreword by Sir Harry Platt—Thomas, C. C., 1972, 323 p., photographs, drawings, \$19.50. Provides guidance in the management of injuries of the extremities and the spine when presented for treatment weeks and months after the accident.

PHYSICS IN THE TWENTIETH CENTURY: Selected Essays—Victor F. Weisskopf, foreword by Hans A. Bethe—MIT Press, 1972, 368 p., photographs, diagrams, \$7.95. Essays deal with such fundamental questions as the quantum ladder, survey essays on the compound nucleus, and special articles on the fall of parity, and the role of symmetry.

POISONOUS PLANTS OF THE MIDWEST & THEIR EFFECTS ON LIVESTOCK—Robert A. Evers and Rogers P. Link—Univ. of Ill. Press, 1972, 165 p., color plates, photographs, \$9.95. Written for the general reader as well as for students, livestock owners, botanists and others; includes most recent information about U.S. poisonous plants, with emphasis on those found in the Midwest.

THE RADIO AMATEUR'S VHF MANUAL: A Manual of Amateur Radio Communication on the Frequencies Above 50 Megahertz—Edward P. Tilton—Am. Radio Relay League, 1972, 3rd ed., 352 p., photographs, diagrams, paper, \$2.50. Completely revised for vhf and uhf conditions of the 70's.

READINGS IN EXTRAVERSION-INTROVERSION, Vol. 2: Fields of Application. Vol. 3: Bearings on Basic Psychological Processes—H. J. Eysenck, Ed.—Wiley-Interscience, 1971, 355 p., 640 p., diagrams, tables, \$13.95, \$19.95. Vol. 2 deals with educational, industrial and vocational problems, psychoses and crime. Vol. 3 deals with physiological, sensory, perceptual, motor and conditioning processes.

THE RESTLESS EARTH: A Report on the New Geology—Nigel Calder—Viking Press, 1972, 152 p., color plates, photographs, diagrams, \$10. Highly readable treatment of the dynamic forces at work in plate tectonics, the processes of continental drift, looking at geology and life as a continual reordering of the same atomic ingredients, batted down by gravity on a small planet.

SAFETY AND SURVIVAL AT SEA—E. C. B. Lee and Kenneth Lee—Norton, 1972, 286 p., illus., \$8.25. An anthology of first-person accounts of man's ability—or inability—to survive at sea. Each chapter ends with practical suggestions.

SCIENTIFIC INSTITUTIONS OF THE FUTURE—Philip C. Ritterbush, Ed.—Acropolis Bks., 1972, 164 p., illus., paper, \$3.95. Articles and essays concerning the social relations of science, the dynamics of institutional change, and the institutional system as a setting for team science.

TOLERANCE, AUTOIMMUNITY AND AGING—M. Michael Sigel and Robert A. Good, Eds., introd. by Morris Rockstein—Thomas, C. C., 1972, 181 p., photographs, diagrams, \$18.75. Edited summary of symposium proceedings including advanced seminar for training in cellular aging, especially as regards the involvement of immunological mechanisms in the aging process.

WHAT GOOD IS A WEED? Ecology in Action—Robert H. Wright—Lothrop, 1972, 128 p., photographs by author, \$4.95. Demonstrates in simple terms the role of such common weeds as ragweed, cocklebur and crabgrass in the cycling of grasses and minerals, in soil building, prevention of water pollution, in reclaiming wasteland, and as units in the food chain.

THE WORLD OF THE MOOSE—Joe Van Wormer—Lippincott, 1972, 160 p., photographs by author, \$5.95. Describes in its habitat the life cycle of the world's largest living deer and probably the largest antlered animal that ever lived.

TEXTBOOKS

ANTHROPOLOGY: The Study of Man—E. Adamson Hoebel—McGraw-Hill, 1972, 4th ed., 756 p., photographs, diagrams, maps, \$11.50. Text presents an updated and comprehensive statement of a coherent series of concepts, propositions and theories about the past and present nature of man, culture and society, supported by factual information from the whole range of anthropology.

CELLULAR PHYSIOLOGY—Henry T. Yost—Prentice-Hall, 1972, 925 p., photographs, diagrams, tables, \$14.95. Logically constructed treatment, explains the workings of the living cell in terms of its molecular components. Presents a general model of the cell and shows how rearrangements of components give rise to the unique features of real cells.

ENVIRONMENTAL CONSERVATION—Raymond F. Dasmann—Wiley, 1972, 3rd ed., 473 p., photographs, tables, maps, \$10.50; paper, \$6.95. Written for beginning university student and interested layman, presents a global view of conservation, with emphasis on conservation problems of the North American continent.

A FIRST COURSE IN TURBULENCE—H. Tennekes and J. L. Lumley—MIT Press, 1972, 300 p., diagrams, \$12.50. Designed to offer the student a smooth transitional course between elementary fluid dynamics and the professional literature on turbulent flow where an advanced viewpoint is assumed.

FUNDAMENTALS OF ORGANIC CHEMISTRY: Theory and Application—George B. Butler and K. Darrell Berlin—Ronald Press, 1972, 1113 p., illus., \$16.50. Treatment of vocabulary and interconversion of functional groups covers all types of organic compounds. Energetics and stereochemistry, iden-

tification and structure determination, mechanisms of organic reactions comprise more advanced material.

GENERAL AND APPLIED ENTOMOLOGY—V. A. Little—Harper, 1972, 3rd ed., 527 p., photographs, drawings, \$11.50. Introductory textbook, emphasizes taxonomy, the biological phases of insects, and the suppression of injurious species, stressing those phases of control other than insecticides.

THE HUMAN SENSES—Frank A. Geldard—Wiley, 1972, 2nd ed., 584 p., illus., \$12.50. Thoroughly revised text, treats all the human senses psychologically, psychophysically and neurophysiologically, incorporates the radical changes that occurred in the electrophysiological sphere and advances in the realm of psychophysics.

INTRODUCTION TO GEOPHYSICS: Mantle, Core and Crust—George D. Garland—Saunders, 1972, 420 p., illus., \$14.50. Text provides an outline of the means by which physics provides a picture of the interior of the earth and of the development of its surface features. Presumes knowledge of vector analysis and two years of physics.

MICROSCOPIC IDENTIFICATION OF CRYSTALS—Richard E. Stoiber and Stearns A. Morse—Ronald Press, 1972, 278 p., photographs, diagrams, \$10.50. Optical crystallography text, describes the use of the petrographic microscope, stressing the technique of using crushed material in oil immersion mounts.

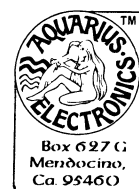
PHOTOCHROMISM—Glenn H. Brown, Ed.—Wiley, 1971, 853 p., diagrams, tables, \$47.50. Reference source and text, photochromic processes are classified on the basis of their mechanisms, such as heterolytic cleavage, homolytic cleavage, *cis-trans* isomerism, tautomerism, and the development of color centers in inorganic compounds.

PHYSICS AND ITS FIFTH DIMENSION: SOCIETY—Dietrich Schroeder—Addison-Wesley, 1972, 378 p., photographs, drawings, paper, \$7.25. Classroom lectures dealing with the science-society interaction. Topics range from myth, cosmology and astrology, through Newtonianism to radioactive dating, science and modern art, and the ABM debate.

PHYSICS OF ATOMIC COLLISIONS—J. B. Hasted—Am. Elsevier Pub. Co., 1972, 2nd ed., 773 p., diagrams, \$72. Presents complete revision of book first published in 1964, to cover all the new concepts and data which have become available. Covers subjects from general discussion of types of collision process to chemical interchange collisions.

POPULATION, RESOURCES, ENVIRONMENT: Issues in Human Ecology—Paul R. Ehrlich and Anne H. Ehrlich—Freeman, W. H., 1972, 2nd ed., 509 p., illus., maps, \$9.50. Revised text includes more detailed coverage of demography, new treatment of energy resources, fuller discussion of poisons in the environment, new material on forest resources, heavy metals pollution, and environmental effects of war in Indochina.

SYMMETRY IN MOLECULES—Michael Hollas—Chapman & Hall (Harper), 1972, 218 p., illus., paper, \$6.75. Material for undergraduate course on the application of group theory to molecules. Aims at keeping student in touch with chemistry by giving ample examples in that field.



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55