

books OF THE WEEK

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BIOLOGY OF NORMAL AND ABNORMAL MELANOCYTES—Taro Kawamura, Thomas B. Fitzpatrick and Makoto Seiji, Eds.—Univ. Park Press, 1971, 411 p., photographs, diagrams, \$19.50. Papers presented at a U.S.-Japan symposium, grouped under three broad headings: melanogenesis, regulatory mechanisms of melanin formation, and pathological melanin pigmentation.

COUNTER-TRADITION: A Reader in the Literature of Dissent and Alternatives—Sheila Delany, Ed.; foreword by Louis Kampf—Basic Bks., 1971, 377 p., \$10; paper, \$5.95. An anthology of radical writings, arranged chronologically from 755 B.C. to 1969, selected as examples of a tradition of opposition and for their literary excellence.

A GUIDE TO NEW ENGLAND'S LANDSCAPE—Neil Jorgensen—Barre Pubs., 1971, 256 p., photographs, diagrams, maps, \$8.50. Describes New England's bedrock foundation, its glacial geology and other surface features, and its forests, bogs and woodlands vegetation.

HEALING THROUGH LIVING: A Symposium on Residential Treatment—Morris F. Mayer and Arthur Blum, Eds.—Thomas. C. C., 1971, 215 p., \$15.50. Papers reflect current thinking and practice regarding institutional child care, residential group living, special education in treatment centers, and psychotherapy in residential treatment.

INVENTION PROTECTION FOR PRACTICING ENGINEERS—Tom Arnold and Frank S. Vaden, III—Barnes & Noble, 1971, 190 p., paper, \$4.95. Outlines fundamentals of the patent system, explains what the patent is, how to obtain it, its enforcement, evaluating patents, licensing, how to use patent lawyer, and trends in patent law.

THE LANGUAGE OF SPACE: A Dictionary of Astronautics—Reginald Turnill—Day, 1971, 165 p., \$6.95. Contains chronological description of projects planned till 1989, list of abbreviations, and dictionary with full explanations of key words, from "ablating materials" to "zulu."

MAN'S REACH FOR THE STARS—Roy A. Gallant—Doubleday, 1971, 201 p., photographs, \$5.95. Popular discussion and explanation of some of the medical and engineering problems man has solved in his space exploration, and what specific problems further probes may have to overcome.

A MANUAL OF ECHOENCEPHALOGRAPHY—Sumio Uematsu and A. Earl Walker—Williams & Wilkins, 1971, 149 p., illus., \$11. Emphasis is on practical aspects of operating the apparatus and interpreting the echograms of brain tumors, head injuries, cerebral vascular disease, and inflammatory diseases of the brain.

THE MODIFIED NUCLEOSIDES IN NUCLEIC ACIDS—Ross H. Hall—Columbia Univ. Press, 1971, 451 p., diagrams, \$20. Collection of pertinent facts concerning the properties of the modified nucleosides discovered in DNA and mainly in tRNA, correlated with the known concepts of nucleic acid structure and function.

MUSEUMS AND THE ENVIRONMENT: A Handbook for Education—Environmental Committee, AAM; Ruth Norton Oliver, Ed.—Am. Assn. of Museums (Arkville Press), 1971, 261 p., illus., \$12.50. Brings together background information, outlines, themes, sources, techni-

ques and illustrations for educational projects and exhibits on man and environment, population, and environmental pollution.

MYCOPLASMA AND THE L FORMS OF BACTERIA: A Symposium in Honor of Louis Dienes—Sarabelle Madoff, Ed.—Gordon & Breach, 1971, 102 p., 44 electronmicrographs, \$11.50. Leading authorities review general topics in the biology of the mycoplasmatiales and the L forms of bacteria, and new material on the ultrastructure of the L forms.

THE ORGANIC COMPOUNDS OF GERMANIUM—Michel Lesbre, Pierre Mazerolles and Jacques Satgé—Wiley-Interscience, 1971, 701 p., diagrams, \$44. Monograph describes from a critical point of view the chemistry of organic germanium derivatives, from germanium-carbon bond to germanium-nitrogen and phosphorous bonds, including polygermanes and germanium-metal bond.

POLARIZATION PHENOMENA IN NUCLEAR REACTIONS: Proceedings of Third International Symposium, 1970—H. H. Barschall and W. Haeberli, Eds.—Univ. of Wis. Press, 1971, 930 p., diagrams, \$15. Contributions cover methods producing polarized targets and polarized beams of particles, and experimental results of polarization in nuclear scattering and reactions.

RISK-TAKING BEHAVIOR: Concepts, Methods and Applications to Smoking and Drug Abuse—Richard E. Carney, Ed.—Thomas, C. C., 1971, 211 p., diagrams, \$13.75. Papers and research findings on the subject of various types of risk-taking behavior, on attitudes toward risk-taking, and the prediction of risk-taking behavior.

SEMIEMPIRICAL WAVE-MECHANICAL CALCULATIONS ON POLYATOMIC MOLECULES: A Current Review—Raymond Daudel and Camille Sandorfy—Yale Univ. Press, 1971, 133 p., diagrams, \$10; paper, \$5.95. An in-depth review of some 400 references to research published in the last three years.

THE SOCIAL SCIENCES AND GEOGRAPHIC EDUCATION: A Reader—John M. Ball, John E. Steinbrink and Joseph Stoltzman, Eds.—Wiley, 1971, 329 p., illus., paper, \$4.95. Highlights the significance of papers grouped under such headings as concept development, impetus for change, organizational concepts, substantive and instructional models.

THE TALL CANDLE: The Personal Chronicle of a Yaqui Indian—Rosario Moises, Jane Holden Kelly and William Curry Holden; introd. by J. H. Kelley—Univ. of Neb. Press, 1971, 251 p., photographs, map, \$7.50. Narrative of an old Yaqui Indian's reminiscences, makes a contribution to the history of ethnic relations and cultural development in the Southwest.

T-GROUPS: A Survey of Research—C. L. Cooper and I. L. Mangham, Eds.—Wiley-Interscience, 1971, 283 p., \$12.50. Research reports on the effectiveness of the training-group approach to human relations training, the training of self-analytic groups, intragroup dynamics, member composition and growth.

TEXTBOOKS

BASIC IMMUNOLOGY—E. R. Gold and D. B. Peacock—Wright (Williams & Wilkins), 1970, 416 p., plates, diagrams, \$15.75. Text deals systematically with antigens, immunoglobulins, antibody production, antigen-antibody reactions, hypersensitivity, transplantation immunology, tumor immunology and auto-immunity.

CELL BIOLOGY—Robert M. Dowben—Harper, 1971, 570 p., illus., \$12.95. Modern course material encompasses the study of cytology, ultrastructure, organization, genetics, metabolic processes, and the mechanisms of important processes in living cells.

DRILL'S PHARMACOLOGY IN MEDICINE—Joseph R. DiPalma, M.D., Ed.—McGraw-Hill/Blakiston, 1971, 4th ed., 1,920 p., diagrams, \$25. Thoroughly updated and partly rewritten, this edition offers the same exhaustive treatment intended to give the medical student a full treatise of the subject matter.

DYNAMIC ASTRONOMY—Robert T. Dixon—Prentice-Hall, 1971, 368 p., photographs, diagrams, \$11.95. Designed primarily for use by the liberal arts student and by the general reader in the field of astronomy.

FUNDAMENTALS OF AERONOMY—R. C. Whitten and I. G. Poppoff—Wiley, 1971, 446 p., diagrams, \$14.95. Text develops the principal themes of the science of the upper atmosphere from basic physical principles, deals with optical phenomena, electric currents, upper ionosphere, disturbances and electromagnetic waves in the ionosphere.

HEAT TRANSFER—Benjamin Gebhart—McGraw-Hill, 2nd ed., 596 p., diagrams, \$18.50. Intermediate-level text and reference, presents description of the more important physical processes, theories and methods of analysis grouped in the field of heat transfer, with new emphasis on radiant transport and natural convection.

INTRODUCTORY QUANTUM CHEMISTRY—S. R. La Paglia—Harper, 1971, 402 p., illus., \$13.95. Designed as an introduction to chemical bonding and the elementary methods of modern quantum chemistry.

ORGANIC CHEMISTRY—Norman L. Alinger and others—Worth Pubs., 1971, 1007 p., illus., \$15.95. Intended for use in a one-year course, material deals with structures of organic molecules, discusses the reactions these structures undergo, and covers the determination of the structures of more complicated compounds, their synthesis, and the chemistry of natural products.

PHYSICAL CONCEPTS OF PROBABILITY—J. A. McFadden—Van Nostrand Reinhold, 1971, 224 p., diagrams, paper, \$5.95. Written by physicist and engineer, the text is oriented toward the engineering student.

THE PHYSIOLOGY OF EXCITABLE CELLS—D. J. Aidley—Cambridge Univ. Press, 1971, 468 p., plates, diagrams, \$15. Graduate text, gives an account of some of the more recent experimental evidence behind the increase in our understanding of the physiology of nerve, muscle and sensory cells, the cells with which we move and think.

PRINCIPLES OF ORGANIC SYNTHESIS—R. O. C. Norman—Methuen (Barnes & Noble), 1971, 722 p., diagrams, \$16.75; paper, \$9.50. Paperback edition of textbook first published in 1968, aims to show how an understanding of the basic mechanisms of reaction can be applied in planning the construction of organic compounds.

SOCIAL PSYCHOLOGY AND CONTEMPORARY SOCIETY—Edward E. Sampson—Wiley, 1971, 488 p., illus. by Penelope G. Williams, \$9.95. An informally written text, tries to encompass what social psychology is traditionally, and points to a future direction for the field.

THEORETICAL PHYSICS: An Advanced Text, Vol. 1: Theory of the Electromagnetic field. Theory of Relativity—Benjamin G. Levich, transl. from Russian—Wiley-Interscience, 1971, 395 p., diagrams, \$15.50. Intended as a systematic course, includes problems requiring special mathematical apparatus, most difficult sections are marked.

UNIVERSITY OPTICS, Vol. 1—D. W. Tenquist, R. M. Whittle and J. Yarwood—Gordon & Breach, 1971, 349 p., diagrams, \$24.50. Concise text of both geometrical and physical optics, this first of two volumes treats lens systems, optical instruments, refractometry, photometry, velocity of light, wave theory, interference, and diffraction of light.