

books OF THE WEEK

ADOLESCENT SUICIDE—Jerry Jacobs—Wiley-Interscience, 1971, 147 p., tables, \$9.50. After discussing theories of suicide, the book presents interviews and case histories of adolescent suicide attempts, and considers the process leading from considered to attempted suicide.

ANATOMY OF A PARK: The Essentials of Recreation Area Planning and Design—Albert J. Rutledge—McGraw-Hill, 1971, 180 p., illus., \$15.95. Practical and analytical discussion of the criteria, procedures and issues relevant to good community park development.

BIOMATERIALS: Bioengineering Applied to Materials for Hard and Soft Tissue Replacement—A. L. Bement, Jr., Ed.—Univ. of Wash. Press, 1971, 345 p., illus., \$10. Presents proceedings of a seminar-workshop held at the Battelle Seattle Research Center, assessing present knowledge and potential of materials for bones, joints, teeth, skin tissue, and membranes.

CAMBRIAN OF THE NEW WORLD—C. H. Holland, Ed.—Wiley-Interscience, 1971, 456 p., photographs, diagrams, maps, \$29. This first volume of a projected series to cover the Lower Paleozoic rocks of the world ranges across much of the length of the earth, from Arctic Canada and Greenland to Chile.

CAPITALISM TODAY—Daniel Bell and Irving Kristol—Basic Bks., 1971, 185 p., \$6.95. Sociologists, political scientists, as well as economists and analysts examine the change in image and substance, the cultural contradictions, impact of new mass markets, and other aspects of business enterprise today.

CONTEMPORARY PSYCHOLOGY: Readings from SCIENTIFIC AMERICAN—Richard C. Atkinson, Ed.—Freeman, 1971, 484 p., 443 illus., \$12; paper, \$5.95. Introduces many facets of contemporary research in psychology—biological foundations of behavior, sensory processes, learning and memory, states of awareness, and social influences on behavior.

ELECTRONIC CIRCUIT DESIGN HANDBOOK—Eds. of EEE Magazine—TAB Bks., 1971, rev. 4th ed., 415 p., 750 diagrams and illus., \$17.95. Compendium of some 650 tested circuits, ranging from control and protection circuits to relay and switching circuits.

FOSSILS AND FLIES: The Life of a Compleat Scientist, Samuel Wendell Williston (1851-1918)—Elizabeth Noble Shor—Univ. of Okla. Press, 1971, 285 p., photographs, \$8.95. Surveyor and engineer, printer, physician, teacher, naturalist and paleontologist, Williston attained fame mainly in the fields of vertebrate paleontology and entomology.

LARYNGECTOMEE SPEECH AND REHABILITATION—Warren H. Gardner—Thomas, C. C., 1971, 241 p., illus., \$15.50. Emphasis is on clinical aspects, deals with pre- and postoperative orientation, the bases for postlaryngectomy speech, use of artificial larynx, and instruction in esophageal speech.

THE LATE CENOZOIC GLACIAL AGES—Karl K. Turekian, Ed.—Yale Univ. Press, 1971, 606 p., illus., graphs, tables, \$20. Papers deal with evidence for Late Cenozoic glaciations on the continents, their influence on the oceans, their probable causes, and the consequences of the glacial ages on the evolution and migration of mammals and the emergence of man.

LONG-TERM PROGNOSIS AFTER ATTEMPTED SUICIDE: A Personal Follow-up Examination—Nils Retterstöl, M.D.—Thomas, C. C., 1971, 112 p., \$11. Investigation and evaluation of data on the psychological and social significance of suicide at-

tempt on individual's life situation, his human relations, subsequent fate and its effect on those close to him.

MIGRATION AND ANTHROPOLOGY: Proceedings of the 1970 Annual Spring Meeting of the American Ethnological Society—Robert F. Spencer, Ed.—AES (Univ. of Wash. Press), 1971, 189 p., paper, \$5. On the effects of migration, the migrant's influence, involuntary migration and slavery.

MODELS OF MANPOWER SYSTEMS—A. R. Smith, Ed.—Am. Elsevier Pub. Co., 1971, 432 p., diagrams, tables, \$20. Proceedings of 1969 NATO conference devoted to econometric models, models of education systems, computer systems, mathematical programming models, and assignment models.

MOLECULES, MEASUREMENTS, MEANINGS: A Laboratory Manual in Biochemistry—David W. Krogmann—Freeman, 1971, 90 p., illus., paper, \$3.25. Presents 16 experiments ranging from amino acids as building blocks of proteins to enzyme induction, and biochemical differentiation.

MOVEMENT AND SPATIAL AWARENESS IN BLIND CHILDREN AND YOUTH—Bryant J. Cratty, foreword by Leslie Clark—Thomas, C. C., 1971, 240 p., illus., \$12. Pragmatic and operational, the book discusses systematic body-image training, manipulation of objects, spatial orientation education, improving big-muscle control, sound usage, and mobility training.

ODD ANGLES: Thirty-Three Mathematical Entertainments—Charles F. Linn—Doubleday, 1971, 125 p., \$3.50. Variety of literary writings and poems on mathematical themes.

OIL AND WORLD POWER: A Geographical Interpretation—Peter R. Odell—Taplinger, 1971, 188 p., maps, \$6.95. Explains the complexities of the global operations of oil production, transportation and consumption.

OLD AGE: The Last Segregation—Claire Townsend, Project Dir., introd. by Ralph Nader—Grossman Pubs., 1971, 229 p., \$6.95. Documented study-group report on legislation concerning care for the aged; conditions inside nursing homes, administrators, personnel and facilities; alternative solutions abroad; recommendations and conclusions.

PEOPLE AND PLANS: Essays on Urban Problems and Solutions—Herbert J. Gans—Basic Bks., 1971, 395 p., paper, \$4.95. Reprint (1968) of papers dealing with sociological analysis and planning practices concerned with U.S. living conditions in city, suburb, new town, ghetto and neighborhood.

PERCEPTION OF OTHER PEOPLE—Franz From, transl. from Danish by Erik Kvan and Brendan Maher—Columbia Univ. Press, 1971, 179 p., \$8. Treatise describes in plain English extensions of phenomenological experiments concerning other people's behavior as it is interpreted in the mind of the observer.

PSYCHOLOGY OF WOMEN: A Study of Bio-Cultural Conflicts—Judith M. Bardwick—Harper, 1971, 242 p., \$7.95. Psychologist explores the differences in personality qualities and the skills of the sexes, presents data on differences in ego development, differences and similarities in goals and motives, productivity and creativity, traditional roles and work roles.

THE SPECIAL THEORY OF RELATIVITY: A Critical Analysis—L. Essen—Oxford Univ. Press, 1971, 27 p., diagrams, papers, \$1.60. The author shows how the theory is not a physical theory but a number of sometimes contradictory assumptions.

STARS AND RELATIVITY: Relativistic Astrophysics, Vol. I—Ya. B. Zeldovich and I. D. Novikov, transl. from Russian by Eli Arlock—Univ. of Chicago Press, 1971, 522 p., diagrams, \$24. Revised (1967) by authors and enlarged to two volumes, this first is de-

voted to general relativity, properties of matter under astrophysical conditions, and stars and stellar systems.

THE TRAUMATIC AMNESIAS—W. Ritchie Russell—Oxford Univ. Press, 1971, 84 p., illus., \$9.75. Brings together a collection of studies and analyses of the consequences of brain injury in man, and discusses various features and anomalies of the traumatic amnesias in relation to memory and learning.

UNDERSTANDING AND MEASURING VIBRATION—R. H. Wallace—Springer-Verlag N.Y., 1970, 148 p., photographs, diagram, paper, \$4. Addressed to the young engineer, explains vibration and its measurement, typical modes of resonant, forced and coupled vibrations, application of specific transducers, and sound room techniques.

TEXTBOOKS

BASIC PRINCIPLES OF SPECTROSCOPY—Raymond Chang—McGraw-Hill, 1971, 304 p., diagrams, \$14.95. Comprehensive text presents basic principles that can be applied to the whole electromagnetic spectrum, intended for a one-semester course for advanced undergraduates.

DYNAMICS OF NUCLEAR REACTORS—David L. Hetrick—Univ. of Chicago Press, 1971, 542 p., diagrams, \$18.50. Suitable for undergraduate seniors and graduate students in science and engineering, includes complete treatment of computations that occur both in control system analysis and safety analysis.

GEOLOGY—William C. Putnam, rev. by Ann Bradley Bassett—Oxford Univ. Press, 1971, 2nd ed., 586 p., photographs, diagrams, maps, \$14.95. Updated and expanded, text includes detailed descriptions of continental drifting, plate tectonics, lunar geology, oceanography and earth resources.

AN INTRODUCTION TO MODERN STRUCTURAL ANALYSIS—David G. Elms—Gordon & Breach, 1971, 224 p., diagrams, \$17.50. Undergraduate text, deals with the elastic analysis of two-dimensional frame and truss structures, emphasizing a fundamental understanding of the basis of analysis.

ORGANIC SPECTROSCOPY: Principles and Applications—Pierre Laszlo and Peter J. Stang—Harper, 1971, 275 p., diagrams, \$13.95. An integrated text emphasizing the unity provided by the object, molecular structure, and by the agent, the radiation used to induce transitions between quantized energy levels.

PHYSICS, Vol. I: Mechanics and Heat. Vol. II: Electricity, Magnetism and Optics—Arnold L. Reimann—Barnes & Noble, 1971, 478 p., 568 p., 126 p. appendix and index in each vol., diagrams, paper, \$6.50 each. Intended for science majors, the text discusses the nature of physics with the student, introducing mathematical techniques within the context of the particular subject.

THE PSYCHOLOGY OF PERSONALITY—Jerry S. Wiggins and others—Addison-Wesley, 1971, 705 p., illus., \$10.50. A balanced introduction to the field of personality study, with alternate treatment of dependency, aggression, sexuality and competence from the biological, experimental, social and psychometric viewpoints.

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