

books OF THE WEEK

PEACEFUL USES OF NUCLEAR EXPLOSIONS: Bibliography—International Atomic Energy Agency—UNIPUB, N.Y., 1970, 466 p., paper, \$12. Contains 1759 references with abstracts, includes key-word-in-context (KWIC) index.

THE PHYSIOLOGY OF BONE—Janet M. Vaughan—Oxford Univ. Press, 1970, 325 p., illus., paper, \$8. Monograph concerned with the skeleton, including both bone and cartilage, with emphasis on the complex mechanisms involved in enabling the skeleton to play its essential role in mineral homeostasis.

THE POOR, YE NEED NOT HAVE WITH YOU: Lessons from the War on Poverty—Robert A. Levine—MIT Press, 262 p., tables, \$7.95. The author makes a strong case for the politics of problem solving, and analyzes the lessons gained through the efforts of OEO and related projects.

POWER AND RESEARCH REACTORS IN MEMBER STATES—International Atomic Energy Agency—UNIPUB, N.Y., 1970, 60 p., graphs, tables, paper, \$2. Comprehensive list of landbased nuclear reactors in operation, under construction and planned.

PRENATAL LIFE: Biological and Clinical Perspectives—Harold C. Mack, Ed.—Wayne State Univ. Press, 1970, 249 p., illus., \$10.95. Proceedings of the Third Annual Symposium on the Physiology and Pathology of Human Reproduction, beginning with the embryology of the uterus and placentation, and ending with effects of prenatal life upon the growing child.

PROBLEMS IN HUMAN BIOLOGY: A Study of Brazilian Populations—Francisco M. Salzano and Newton Freire-Maia—Wayne State Univ. Press, 1970, 200 p., diagrams, tables, maps, \$8.95. Summarizes the main results of research in the fields of genetics of human populations in Brazil, and correlates these findings with pertinent demographic and anthropological data.

RED CELL METABOLISM AND FUNCTION—George J. Brewer, Ed.—Plenum Press, 1970, 390 p., illus., \$17.50. Conference proceedings include discussions of metabolic control mechanisms in the red cell, and erythrocyte function after blood storage.

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RNA - POLYMERASE AND TRANSCRIPTION: Proceedings of the first international Lepetit Colloquium, Florence, 1969—L. Silvestri, Ed.—Am. Elsevier Pub. Co., 1970, 339 p., diagrams, paper, \$13.95. Contains studies on the structure and binding of RNA-polymerase, on the interaction with rifamycins, the influence of protein factors, and studies on mammalian, plant and viral polymerase.

THE SCALPEL AND THE HEART—Robert G. Richardson—Scribner, 1970, 323 p., photographs, \$8.95. A history of cardiac surgery based on original source materials, choosing those events that seem to be in the main line of progress. Glossary, index of personal names with dates are included.

SCIENCE AND MORALITY IN MEDICINE: A Survey of Medical Educators—Earl R. Babbie—Univ. of Calif. Press, 1970, 261 p., \$7.50. Sociological study of the human aspect of medicine, examines through polling the orientation of faculty members toward their primary obligations and on their actual activities.

SETTING NATIONAL PRIORITIES: The 1971 Budget—Charles L. Schultze with Edward K. Hamilton and Allen Schick—Brookings, 1970, 192 p., tables, paper, \$2.95. Analysis presents facts, figures and alternatives of the President's proposals to spend \$200 billion in the areas of national defense, education, law enforcement, pollution control, transportation and others.

SOCIETY, DELINQUENCY AND DELINQUENT BEHAVIOR—Harwin L. Voss, Ed.—Little, Brown, 1970, 458 p., paper, \$7.95. Designed to provide the student with a variety of articles dealing with such sociological aspects of juvenile delinquency as problems in defining and measuring delinquency, theories and controversies, subcultural delinquency, and societal responses to delinquency.

SOLID-STATE CIRCUIT DESIGN & OPERATION—Stanton Rust Prentiss—TAB Bks., 1970, 272 p., illus., \$9.95. A guide to semiconductor circuit analysis and design, of value to electronic technicians and engineers.

SOUNDS OF WESTERN NORTH ATLANTIC FISHES: A Reference File of Biological Underwater Sounds—Marie Poland Fish and William H. Mowbray—Johns Hopkins Press, 1970, 207 p., illus., \$12.50. A record of studies in marine bioacoustics, presents 220 species in 59 families, illustrating sound analyses for 153 species with spectrograms and oscillograms.

SPACE MATERIALS HANDBOOK—John B. Rittenhouse and John B. Singletary—CFSTI (AD 692 353), 1969, 734 p., illus., paper, \$3. Up-to-date description of the ascent and space environments, effects of the environment on material, space materials experience in actual spacecraft applications, and biological interactions with materials.

STREET CLUB WORK IN TEL AVIV AND NEW YORK—Aryeh Leissner—Nat'l Bur. for Cooperation in Child Care (Humanities Press), 1969, 316 p., diagrams, paper, \$5. Offers detailed discussion of the relationship between theory and the daily practice of street club work, with emphasis on the specialized detached group work approach.

STRONG FAMILY, STRONG CHILD: The Art of Working together to Develop a Healthy Child—Barry and Patricia M.

Bricklin—Delacorte Press, 1970, 239 p., \$5.95. Discusses how parental patterns affect children, and deals with the importance of learning to communicate without blame, to set reasonable limits, encourage independence and acknowledge behavior that needs changing.

SUDDEN INFANT DEATH SYNDROME—Abraham B. Bergman, J. Bruce Beckwith and C. George Ray, Eds.—Univ. of Wash. Press, 1970, 248 p., diagrams, \$10. Conference papers and critical discussions of epidemiologic aspects, pathology findings, virology and physiological considerations of SIDS.

VIDEOTAPE TECHNIQUES IN PSYCHIATRIC TRAINING AND TREATMENT—Milton M. Berger, M.D., Ed.—Brunner/Mazel, 1970, 303 p., photographs, \$15. Summarizes a decade of application and innovation of the new television technology in the field of psychiatric education and treatment, as in confrontation psychotherapy, videotape supervision of co-therapists, and its use in private practice.

TEXTBOOKS

BIOLOGY TEACHERS' HANDBOOK: Biological Science Curriculum Study—Evelyn Klinckman, Ed.—Wiley, 1970, 2nd ed., 692 p., illus., \$8.95. Revised BSCS resource, stressing invitation to inquiry in teaching biology, incorporates advances in content and methodology developed since 1963.

CHEMISTRY OF COMPLEX EQUILIBRIA—M. T. Beck, transl. from Hungarian by R. A. Chalmers—Van Nostrand, 1970, 285 p., diagrams, \$12. Advanced text, covers theory, practice and interpretation of coordination chemistry, discusses determination procedures of chemical constants, and the chemistry of protonated, mixed-ligand, poly-nuclear and outer-sphere complexes.

INTRODUCTORY CHEMISTRY—Robert J. Quillet—Harper, 1970, 616 p., illus., \$10.95. A tested text for non-science majors, covers the principles of inorganic and organic chemistry, and of biochemistry.

MOLECULES AND LIFE: An Introduction to Molecular Biology—Mikhail V. Vol'kenshtein, transl. from Russian by Serge N. Timasheff—Plenum Press, 513 p., 208 illus. and diagrams, \$15. Deals principally with questions related to the structures and functions of proteins and nucleic acids on the advanced undergraduate level.

PRINCIPLES OF POLYMERIZATION—George Odian—McGraw-Hill, 1970, 652 p., diagrams, \$18.50. Text deals with the physical and organic chemistry of the reactions by which polymer molecules are synthesized, emphasizing the reaction parameters important in controlling polymerization rates, polymer molecular weight, and structural features such as branching and cross-linking.

THEORY OF GROUNDWATER FLOW—A Verruijt—Gordon & Breach, 1970, 190 p., diagrams, \$19.50; prof. \$10. Introductory text, as well as reference for practicing engineers.

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