

books OF THE WEEK

THE TAILED AMPHIBIANS OF EUROPE—J. W. Steward—Taplinger, 180 p., plates, drawings, maps, \$8.50. Reference work on the newts and salamanders represented in various parts of Europe.

THE U.S. DEPARTMENT OF STATE FACT BOOK OF THE COUNTRIES OF THE WORLD—U.S. Dept. of State officials, introd. by Gene Gurney—Crown Pubs., 1970, 792 p., maps, \$7.95; paper, \$5.95. Contains entire set of official Background Notes with up-to-date information on more than 150 countries and territories.

VICTORIAN SCIENCE: A Self-Portrait from the Presidential Addresses of the British Association for the Advancement of Science—George Basalla, William Coleman and Robert H. Kargon, Eds.—Doubleday, 1970, 510 p., illus., paper, \$2.45. Reflects the important British contributions to the development of science, and provides valuable insight into the life of the time.

A VIEW OF CENTURY 21—Walter Orr Roberts, foreword by Louis T. Benezet—Claremont Colleges, 1969, 85 p., \$3. A leading scientist considers the changing human environment in Southern California, views man in the perspective of space, and gives a preview of man in the year 2000 A.D.

TEXTBOOKS

ALLERGY IN CHILDREN—Louis Tuft, M.D. and Harry Louis Mueller, M.D., foreword by Lewis Webb Hill—Saunders, 1970, 561 p., illus., \$19.50. Text covers pediatric allergy, offers clear and detailed discussion of treatment.

AN APPROACH TO GENERAL SYSTEMS THEORY—George J. Klir—Van Nostrand Reinhold, 1970, 323 p., diagrams, \$11.95. Text intended for one-

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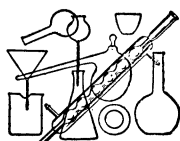
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semester course for the advanced undergraduate, presents a balanced introduction to fundamental concepts, problems and methodological principles concerning systems.

BIOLOGY OF MICROORGANISMS—Thomas D. Brock—Prentice-Hall, 1970, 737 p., photographs, diagrams, \$12.95. Modern introductory text at the undergraduate level, emphasis throughout is on microorganisms, their functional ecological and evolutionary relationships.

DYNAMIC ZOOGEOGRAPHY with Special Reference to Land Animals—Miklos D. F. Udvardy—Van Nostrand, 1970, 445 p., illus. by Charles S. Papp, maps, \$17.50. A text and comprehensive reference, deals with the ecology of dispersal and of colonization, the study of the distribution area, regional, analytical and dynamic zoogeography.

FLUID AND PARTICLE MECHANICS—S. J. Michell—Pergamon Press, 1970, 342 p., diagrams, \$8.50. Introductory text for undergraduates in chemical engineering, emphasizes physical concepts rather than highly mathematical treatment.

HEME AND CHLOROPHYLL: Chemical, Biochemical and Medical Aspects—Gerald S. Marks—Van Nostrand, 1970, 208 p., diagrams, \$12. Up-to-date text and reference work, covers the chemistry of the pigments, the separation, purification and physical properties of the porphyrins, their biosynthesis, and disorders of porphyrin metabolism.

IMMUNOGENETICS—W. H. Hildemann—Holden-Day, 262 p., diagrams, \$13.95. Text for graduate students and biomedical students, covers the major aspects of the broad field of immunogenetics, from inheritance of immune response capacities, cellular alloantigens, and serum allotypes, to histocompatibility typing and circumvention of alloimmune reactions.

INTRODUCTION TO ATOMIC AND MOLECULAR STRUCTURE—Jack Barrett—Wiley, 1970, 327 p., diagrams, \$12.50. Intended as a text to give undergraduates a basis for the understanding of theoretical chemistry.

INTRODUCTION TO THE SOLAR WIND—John C. Brandt—Freeman, 1970, 199 p., illus., \$10. Text aimed at the advanced undergraduate and beginning graduate student, with emphasis on basic principles and broad concepts.

AN INTRODUCTION TO X-RAY CRYSTALLOGRAPHY—M. M. Woolfson—Cambridge Univ. Press, 1970, 380 p., illus., \$13.50. Elementary text on the graduate level, deals with the geometry of the crystalline state, the scattering of X-rays, diffraction from crystal, Fourier transform, absorption of X-rays, determination of space groups and crystal structures.

INTRODUCTORY CHEMISTRY—Robert J. Ouellette—Harper, 1970, 616 p., illus., \$4.95. A tested text for nonscience majors, covers fundamentals, the principles of inorganic and organic chemistry, and biochemistry.

THE MATHEMATICS OF HEREDITY—Gustave Malécot, transl. from French

and rev. by Demetrios M. Yermanos, Ed.—Freeman, 1970, 88 p., \$4. Considered a classic since its first publication in 1948, the work is an original treatment of relationship, covariance, and population structure in terms of probability theory.

METHODS IN CELL RESEARCH—August Ruthmann, transl. from German by author—Cornell Univ. Press, 1970, 368 p., illus., \$9.50. A laboratory handbook, designed to further the student's insight into cell biology by understanding the methods based on light microscopy, microtechnique, quantitative methods, and electron microscopy.

THE MOON—Zdenek Kopal—Reidel Pub. Co., 1970, 525 p., photographs, diagrams, \$26.25. Brought up to date in an organized manner, with many chapters completely rewritten, this second edition of **INTRODUCTION TO THE STUDY OF THE MOON** (1966) is also a reference for the working scholar.

PHYSICAL ULTRASONICS—Robert T. Beyer and Stephen V. Letcher—Academic Press, 1969, 378 p., illus., \$18.50. Introduces graduate students to ultrasound in all its physical aspects—its production, detection and propagation. Deals with the principles, techniques and uses of high-frequency sound in all media.

PHYSICS—Kenneth R. Atkins—Wiley, 1970, 2nd ed., 774 p., illus., \$11.95. Includes material to satisfy the more inquiring students and provides series of challenging problems for the better students.

PRACTICAL INVERTEBRATE ZOOLOGY: A Laboratory Manual—F. E. G. Cox and others, R. Phillips Dales, Ed.—Univ. of Wash. Press, 1970, 356 p., drawings, \$9.50. Designed to function also as a sourcebook of methods, experiments and demonstrations for teachers, the manual provides a thorough basis for the study of animal construction and functional morphology.

THERMODYNAMICS AND STATISTICAL PHYSICS: A Short Introduction—Robert J. Finkelstein—Freeman, 1970, 249 p., diagrams, \$12. Written for a graduate course from the point of view of the nonspecialist, the book is concerned with the properties of matter in bulk or of physical systems with many degrees of freedom.

TOPICS IN DYNAMICS, I: Flows—Edward Nelson—Princeton Univ. Press, 1970, 118 p., paper, \$3. Preliminary informal notes for a first-term university course on differential equations.

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