

books OF THE WEEK

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ABOVE AND BEYOND: The Encyclopedia of Aviation and Space Sciences, Vols. 1-14—Jean F. Blashfield, Ed. in Chief, and Raymond J. Johnson, Ed.—New Horizons Pubs., 1968, 3000 p., 4000 color photographs, drawings, diagrams, \$79.95. Information and reference source for school libraries at elementary and intermediate level. Each set includes teacher's guide and four wall charts.

ABSTRACTS OF PAPERS—American Chemical Society, 156th National Meeting—ACS, 1968, unpag., illus., paper, \$4. Coded abstracts of most of the 2,057 papers presented at the 24 divisions of ACS, indexed by subject and by name.

ALA RULES FOR FILING CATALOG CARDS—Pauline A. Seely, Ed.—Am. Lib. Ass., 1968, 2nd ed., 260 p., \$6.75. Prepared by special subcommittee, these new, official rules are the first revision since publication of the 1942 filing rules. Simplification is sought by adopting consistent code based on the principle of a single-alphabet arrangement.

ANATOMY OF A COORDINATING COUNCIL: Implications for Planning—Basil J. F. Mott—Univ. of Pittsburgh Press, 1968, 255 p., paper, \$2.95. Analysis of a case study, the operation of the former Interdepartmental Health and Hospital Council of New York State.

ANIMAL LOCOMOTION—James Gray—Norton, 1968, 479 p., illus., \$15. A survey at the borderlines of physics, engineering and biology of the propulsive mechanisms in the animal kingdom, in particular of the vertebrates and the terrestrial arthropods. Depicts the essential features without assuming more than elementary knowledge of mechanics.

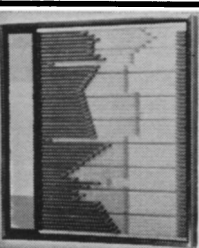
ANNUAL REVIEW OF MEDICINE, Vol. 19—Arthur C. DeGraff and William P. Creger, Eds.—Annual Reviews, 1968, 540 p., illus., \$8.50. Thirty selected review articles covering the most significant advances in the various subdivisions of medicine, topics ranging from disorders of the complement system in human pathology to intrauterine viral infections.

ASPECTS OF THE PHYSIOLOGY OF CRUSTACEA—A. P. M. Lockwood—Freeman, 1968, 328 p., illus., \$9. Coverage is general, but emphasis is on those aspects where the physiology differs from that of other animal groups and hence the influence of the moult cycle forms a recurring theme.

THE ATLANTIC SALMON: A Vanishing Species?—Anthony Netboy—Houghton, 1968, 457 p., 24 plates, diagrams, maps, \$6.95. Deals with the Atlantic salmon in all the countries where the species is, or has been, an important natural resource. Describes the damage done to salmon rivers and the measures taken in different countries to save what is left of the runs. Includes complete bibliography.

ATLAS OF THE PACIFIC NORTHWEST: Resources and Development—Richard M. Highsmith, Jr., Ed.—Ore. State Univ. Press, 1968, 4th ed., 168 p., photographs, maps by Jon M. Leverenz, paper, \$5. Regional source book on the physical base, land resources, agriculture, mineral resources, transportation and recreation aspects of Washington, Oregon, Idaho and Western Montana.

BEYOND LEFT & RIGHT: Radical Thought for Our Times—Richard Kostelanetz, Ed.—Morrow, 1968, 436 p., \$7.95. Collection of 36 essays on social change, grouped under such headings as technology and society, enterprise and remuneration, people and resources, and redesigning society.



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BIRDS OF AUSTRALIA—Stanley Breeden and Peter Slater — Taplinger, 1968, 144 p., 200 photographs, partly color, drawings by Peter Slater, \$10. Handsome volume describes and shows birds in action—courting, nesting, feeding, soaring and hunting.

THE CHEMISTRY OF THE ELEMENTS —Howard Nechamkin—McGraw-Hill, 1968, 270 p., paper, \$3.50. Considers each element individually in chapters classified according to the periodic table, discusses in turn the preparation of the element, its physical and chemical properties, important compounds and analytical reactions.

THE CLARINET—Oskar Kroll, transl. from German by Hilda Morris, Anthony Baines, Ed.—Taplinger, 1968, 183 p., plates, illus., \$10. Revised and enlarged text with repertory added by Diethard Riehm. Gives an account of the technical development, literature and great masters of the clarinet.

THE COLLEGE STUDENT AND HIS CULTURE: An Analysis—Kaoru Yamamoto—Houghton, 1968, 493 p., digrams, \$7.50. Analytical survey and collection of readings on students and faculty and the various ways in which they interact, college characteristics, subcultures of students, changing values, and the impact of colleges upon students.

THE CONQUEST OF ENERGY—George Russell Harrison—Morrow, 1968, 297 p., photographs, \$6.95. Presents to the layman a unified picture of energy and its control from the discovery of fire to the Nuclear Age, explains clearly the tasks of transformers, the storage problems, solar energy, and power in plasma.

CREATIVITY AND ETERNIZATION: Essays on the Creative Instinct—Joost A. M. Meerloo—Humanities Press, 1968, 272 p., illus., paper, \$6. In the author's own words, these essays offer a bio-psychological view of man playing with his innate tools—his speech and the grasp of his hands.

EARTH, MOON AND PLANETS—Fred L. Whipple—Harvard Univ. Press, 1968, 3rd ed., 297 p., illus., \$7.25. Revised, introductory text incorporates the new knowledge gained about the solar system through the space programs, and the advances in radio and radar astronomy.

ENCYCLOPAEDIA OF CYBERNETICS—G. Gilbertson, transl. from the German LEXIKON DER KYBERNETIK—Barnes & Noble, 1968, 214 p., diagrams, \$9.50. Defines and explains such terms as "absolute judgment" and "zero-sum-game." German-English, French-English and Russian-English word lists are included.

THE EVIDENCE OF EVOLUTION—Nicholas Hotton III with Francis Hueber, Richard Benson and Clayton Ray—Am. Heritage Pub. Co. (Van Nostrand), 1968, 160 p., color photographs, drawings, \$4.95. Paleontologist presents a vivid picture of evolution, compounded of fossil remains and the evidence from living species.

FLORA OF ALASKA AND NEIGHBORING TERRITORIES: A Manual of the Vascular Plants—Eric Hulten—Stanford Univ. Press, 1968, 1008 p., color plates, 1,735 drawings, 1,735 range maps, \$35. Describes and illustrates some 1,974 taxa, belonging to 1,559 species of flowering plants and vascular cryptogams known to occur in Alaska, the Yukon, the Mackenzie District and the eastern extremity of Siberia.

THE GASOLINE BUGGY OF THE DURVEA BROTHERS—Robert B. Jackson—Walck, H. Z., 1968, 67 p., photographs, \$3.25. Acquaints young readers with an early phase in the history of the automobile.

GENE CONTROL IN THE LIVING CELL—J. A. V. Butler—Basic Bks., 1968, 164 p., illus., \$5.95. Attempts to give an accurate and readable account of recent work on how gene controls operate in both unicellular and complex organisms, then deals with situations in which the correct control of growth and function has broken down locally as in tumors, and discusses therapy of cancer.

HANDBOOK OF BIOCHEMISTRY with Selected Data for Molecular Biology—Herbert A. Sober, Ed.; Robert A. Hartke, Adv. Bd. Chmn.—Chemical Rubber Co., 1968, approx. 1000 pp., diagrams, tables, \$27.50. Features comprehensive data in such areas as genetics, ionization constants of acids and bases, amino acid sequences of peptides and proteins. Contains folded "metabolic pathways chart," in color.

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HUMAN RESPIRATION: A Programmed Course—Olof Lippold—Freeman, 1968, 128 p., illus., paper, \$2.75. Offers students a supplementary guide and review with an opportunity to solve realistic problems.

LUNAR ATLAS—Dinsmore Alter, Ed., preface by Harold C. Urey—Dover, 1968, 343 p., 219 photographs, illus., paper, \$5. Prepared by the Space Sciences Laboratory of the Space Division of North American Aviation in a limited edition in 1964, this 10½ x 12¾ atlas with detailed descriptions features the best photographs of the moon surface.

MATRIX METHODS IN QUANTUM MECHANICS—H. S. Green, foreword by Max Born—Barnes & Noble, 1968, 118 p., paper, \$2.25. Presents quantum mechanics from a point of view different from that adopted in most elementary textbooks.

NEW THINK: The Use of Lateral Thinking in the Generation of New Ideas—Edward de Bono—Basic Bks., 1968, 156 p., illus., \$5.95. Encourages the reader to liberate himself from "vertical" thought processes by taking advantage of chance associations, thus generating new ways of looking at things.

OCEAN ENGINEERING, Vol. I, No. 1, July 1968—Alan A. Johnson, Ed.-in-Chief—Pergamon Press, 120 p., 16 plates, diagrams, paper, bi-monthly, annual subscription, \$40. International journal devoted to the publication of research and development work in the exploration and utilization of the deep ocean environment.

ODOUR DESCRIPTION AND ODOUR CLASSIFICATION: A Multidisciplinary Examination—R. Harper, E. C. Bate Smith and D. G. Land—Am. Elsevier Pub. Co., 1968, 191 p., diagrams, \$7.50. Comparative survey of present systems of odor description and classification. The multidisciplinary approach involves mainly psychology, botany, food science and biochemistry.

THE PACKING OF SOLID PARTICLES—W. A. Gray—Chapman & Hall (Barnes & Noble), 1968, 134 p., illus., \$5.50. Intended for advanced students in powder technology, the book deals with the manner in which particles are arranged in a particulate solid, discussing the effects of the major groups of variables.

THE PERSON: His Development throughout the Life Cycle—Theodore Lidz—Basic Bks., 1968, 574 p., \$10. Presents a psychodynamic description and conceptualization of personality development and functioning from birth to death, considering each phase of the life cycle and the tasks that must be surmounted to be prepared to accept the challenges of the next phase.

PSYCHOSOMATIC SPECIFICITY, Vol. 1: Experimental Study and Results—Franz Alexander, Thomas M. French and George H. Pollock, Eds.—Univ. of Chicago Press, 1968, 263 p., \$7.50. Presents the findings of 14 years of research in psychosomatic medicine, investigating patients with bronchial asthma, rheumatoid arthritis, ulcerative colitis, essential hypertension, neurodermatitis, thyrotoxicosis and duodenal peptic ulcer.

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