

# books OF THE WEEK

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**ALCOHOLS:** Their Chemistry, Properties and Manufacture—John A. Monick—Reinhold, 1968, 594 p., illus., \$30. Presents a systematic review of the most common alcohols, and provides comprehensive treatment of mono-, di-, tri-, and polyhydric compounds.

**ALLERGY, ITS TREATMENT AND CARE:** A Guide for Allergic Adults and the Parents of Allergic Children—H. W. Bottomley, M.D.—Funk & Wagnalls, 1968, 150 p., \$4.95. Designed to help allergy sufferers become aware of the nature of their illness and to encourage them to seek help from competent sources.

**ANALYSIS OF HIGH-PURITY MATERIALS—**I. P. Alimarin, Ed., transl. from Russian by J. Schmorak—IPST (Daniel Davey, Hartford, Conn.), 1968, 584 p., illus., \$20.25. Individual chapters deal with modern methods for the determination of impurities in silicon and its compounds, germanium, gallium, phosphorus, aluminum, lead, bismuth, tin and zinc, cadmium, sulfur, selenium, boron and graphite.

**ANALYTICAL CHEMISTRY OF BERYLLIUM—**A. V. Novoselova and L. R. Batsanova, transl. from Russian—IPST (Davey), 1968, 220 p., diagrams, \$12.75. Deals with the physical, chemical and analytical characteristics of beryllium and its compounds; methods of determination, separation and concentration; determination of beryllium in natural and industrial materials.

**THE BEARS AND I:** Raising Three Cubs in the North Woods—Robert Franklin Leslie—Dutton, 1968, 224 p., illus. by Theodore A. Xaras, \$5.95. Tells the story of a young prospector who was adopted by a trio of orphaned baby cubs and how they spent three years in the woods together.

**BIOLOGICAL PROPERTIES OF THE MAMMALIAN SURFACE MEMBRANE:** Symposium held at The Wistar Institute of Anatomy and Biology, April 28, 1967—Lionel A. Manson, Ed.—Wistar Inst. Press, 1968, 160 p., illus., paper, \$5. Deals with isolation, composition and biochemistry of the cell membrane, the cytochemistry of membranes, immunology, and cell-virus interactions.

**THE BIOLOGICAL TIME BOMB—**Gordon Rattray Taylor—World Pub. Co., 1968, 240 p., \$5.50. Reviews the more sensational advances in biology, such as transplantation of organs, tissue freezing, pain control, tailoring of genes, and speculates on some of the consequences.

**BIOPHYSICAL TECHNIQUE:** As applied to Cell Biology—J. Chayen and E. F. Denby—Methuen (Barnes & Noble), 1968, 175 p., illus., \$5.50. Explains the basic principles of the nature of light and discusses advanced techniques which depend on the interaction of molecules with the whole spectrum of electromagnetic radiations, from X-rays and electrons to the long infrared radiations.

**C-UNIT:** Search for Community in Prison—Elliot Studt, Sheldon L. Messinger and Thomas P. Wilson—Russell Sage Foundation, 1968, 354 p., illus., \$8.75. Detailed reports on an effort to put into practice, and study at the same time, a distinctive philosophy of corrections, the development of the inmate-staff community.

**THE COMPLETE BOOK OF CAT HEALTH AND CARE—**J. J. McCoy—Putnam, 1968, 237 p., plates, \$5.95. Practical and authoritative manual discusses the history of the cat, its care in all its aspects, cat health, reproduction and old age.

**DEVELOPING PROGRAMS FOR THE EDUCATIONALLY DISADVANTAGED—**A. Harry Passow, Ed.—Teachers College Press, 1968, 364 p., paper, \$3.95. Seventeen analytical, descriptive and propositional papers discussing needs, compensatory programs, parental attitudes, the teaching of standard English as second dialect, and the role of the school in race relations and conciliation.

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**DEVELOPMENTAL LANGUAGE DISABILITY:** Adult Accomplishments of Dyslexic Boys—Margaret B. Rawson—Johns Hopkins Press, 1968, 127 p., \$5.50. Longitudinal study of 56 boys, both dyslexic and nondyslexic, follows the educational and career development of boys for about 30 years and analyzes their adult accomplishments.

**DISCOVER AMERICAN TREES—**Rutherford Platt—Dodd, 1968, 256 p., photographs by author, illus. by Margaret L. Cosgrove, \$4.50. Revised edition of book originally (1952) published as AMERICAN TREES.

**EARLY FINNISH ART:** From Prehistory to the Middle Ages—Photographs by Istvan Racz, introd. by C. F. Meinander, notes by Pirikko-Liisa Lehtosalo, transl. from Finnish—Praeger, 1968, 176 p., 159 plates, \$15. Handsome presentation starting with the oldest Stone Age finds of the Askola culture in the seventh millennium B.C. to bronzes and silver artifacts dating to the 12th century.

**EDUCATORS GUIDE TO FREE FILMSTRIPS—**Mary Foley Horkheimer and John W. Diffor, Eds.—Educators Progress Service, 1968, 20th ed., 139 p., paper, \$7. Includes 17-page listing of science-related filmstrips with subjects ranging from "animal tracks" to "zone melting."

**ELECTRONIC SENSING DEVICES—**A. F. Giles—Newnes (CRC Press), 1968, 158 p., illus., \$14.25. Describes theory, design and applications of hundreds of sensors used in process and system control.

**ENERGY IN THE UNITED STATES:** Sources, Uses and Policy Issues—Hans H. Landsberg and Sam H. Schurr—Random House, 1968, 242 p., illus., paper, \$2.95. A Resources for the Future study, gives a broad, nontechnical overview of the place of energy in the American economy, its past and its prospects.

**AN ENVIRONMENT FIT FOR PEOPLE:** The New Meaning of Conservation—Raymond F. Dammann—Public Affairs Pamphlets, 1968, 28 p., photographs, paper, 25¢ direct to publisher, 381 Park Ave. South, New York 10016. Discusses the problems and techniques of conservation in the city, rural land, wilderness and in the marine environment.

**THE ESSENCE OF SECURITY:** Reflections in Office—Robert S. McNamara—Harper, 176 p., \$4.95. The former Secretary of Defense summarizes his views on the implications of vast destructive power resources and international security.

**EVOLUTION AND THE GENETICS OF POPULATIONS, Vol. 1:** Genetic and Biometric Foundations—Sewall Wright—Univ. of Chicago Press, 1968, 469 p., diagrams, \$15. First of a three-volume treatise that combines historical, mathematical and experimental approaches in working out the nature of the immediate evolutionary processes in typical species of higher organisms.

**EVOLUTION IN CHANGING ENVIRONMENTS:** Some Theoretical Explorations—Richard Levins—Princeton Univ. Press, 1968, 120 p., diagrams, \$6.50. Some theories and models probing those border areas where ecology, genetics and evolutionary theory meet, such as strategies of adaptation, the theory of the ecological niche, and the pattern of species in space.

**FORTRAN:** Logic and Programming—Fritz A. McCameron—Irwin (Dow Jones-Irwin), 1968, 246 p., paper, \$5. Explains the nature of the programming language in a business administration context.

**FROM THINKING TO BEHAVING:** Assignments Reconsidered—Louise M. Berman—Teachers College Press, 1967, 73 p., paper, \$1.60. Guidelines for the teacher to use textbooks and other instructional assignments in ways designed to develop the thought processes of the student.

**GREAT STRUCTURES OF THE WORLD—**H. Arthur Klein and Mina C. Klein—World Pub. Co., 1968, 288 p., illus., maps, \$4.95. From the ziggurats of Mesopotamia to the U.N. building, the book gives short descriptions of man's monuments and feats of engineering.

**HANDBOOK OF CHEMISTRY AND PHYSICS:** A Ready-Reference Book of Chemical and Physical Data—Robert C. Weast, Ed.—Chemical Rubber Co., 49th ed., 1968, 2,100 p., diagrams, \$19.50. This standard reference now comprises nearly one million items of data, with new information on such topics as X-ray crystallography, wavelengths of the elements, physical properties of pigment, and density of deuterium oxides.

**THE HISTORY OF THE ATOMIC BOMB—**Michael Blow and Editors of American Heritage; William W. Watson, Consultant—Am. Heritage Pub. Co. (Harper), 1968, 154 p., photographs, illus., \$4.95. Amply illustrated, short account of the development of the atomic bomb and its consequences.

**INNOVATION IN EDUCATION;** New Directions for the American School—Research and Policy Committee, CED; Emilio G. Collado, Chmn.—Committee for Economic Development, 1968, 75 p., paper, \$1. Recommendations for a national effort to intensify research, innovation and evaluation in American education.

**THE LABORATORY ANIMAL IN GERONTOLOGICAL RESEARCH—**Committee on Animal Research in Gerontology, ILAR—NAS, 1968, 110 p., illus., paper, \$4.50. Symposium proceedings discuss germfree versus non-germfree animals, lesions in the aged rat, pathologic findings in aged dogs and cats, and other aspects of animals in research on aging.

**LIST OF CONVERSION FACTORS FOR ATOMIC IMPURITIES TO PPM BY WEIGHT—**A. Cornu and R. Massot—Heyden & Son, Ltd. (Sadtler Research Labs., Philadelphia), 1968, 100 p., \$10. These tables make possible the rapid conversion of analytical results obtained by different methods (mass spectrometry, gamma spectrometry, analytical analysis) in number of atoms per million to number of parts per million mass.

**McGRAW-HILL DIRECTORY AND ALMANAC OF CANADA 1968—**Helen Sawyer Hogg, Robert Craig Brown and others, Eds.—McGraw-Hill, 3rd ed., 856 p., maps, \$17.50. Comprehensive reference source, lists Canadian post offices, transportation and freight services, libraries, book publishers, journals and newspapers, associations, colleges and high schools, astronomical data, government departments, Canadian awards and winners.

**THERMOMETRIC TITRIMETRY—**H. J. V. Tyrrell and A. E. Beezer—Chapman (Barnes & Noble), 1968, 207 p., illus., \$7.75. Covers the theory, practice and literature of calorimetric measurements, construction and use of titration calorimeters, titrations in aqueous solutions and in non-aqueous solvents.



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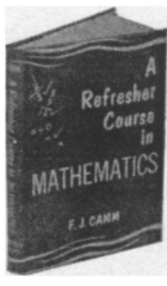
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