

# Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

**THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC FOR THE YEAR 1962**—Nautical Almanac Office, U.S. Naval Observatory—GPO, 514 p., \$4. Issued jointly with H.M. Nautical Almanac Office, Royal Greenwich Observatory.

**THE BOOK OF BIG BIRDS**—Melita Hofmann—Garden City Bks, 56 p., illus. by author, \$2.95. Informative picture book for young readers.

**THE BOOK OF CHRISTMAS**—Marguerite Ickis—Dodd, 179 p., illus., \$3.50. Christmas ideas, traditions and customs from many lands.

**BORON: Synthesis, Structure and Properties**—J. A. Kohn, W. F. Nye and G. K. Gaule, Eds.—Plenum Press, 189 p., illus., \$8.50. Conference proceedings dealing with crystallization, crystal growth, structure and bonding.

**COMPARATIVE BIOCHEMISTRY, A Comprehensive Treatise, Vol. I: Source of Free Energy**—Marcel Florkin and Harold S. Mason, Eds.—Academic, 590 p., illus., \$18. Deals with the sources of biologically useful free energy, such as phototropism, and the distribution and evolution of visual systems.

**CONCEPTS OF SPACE: The History of Theories of Space in Physics**—Max Jammer, foreword by Albert Einstein—Harper, rev. ed., 208 p., paper,

\$1.40. Contains new appendix on recent experimental evidence for non-conservation of parity.

**THE EDGE OF WAR**—James David Atkinson, foreword by Admiral Arleigh A. Burke—Regnery, 318 p., \$6. On the evolution of warfare and the "fusion of war and peace."

**EMBRITTMET BY LIQUID METALS**—W. Rostoker, J. M. McCaughey and H. Markus—Reinhold, 162 p., illus., \$7.95. Reviews and evaluates published and some previously unpublished results of research in the field.

**EXPLORING UNDER THE EARTH**—Roy A. Gallant—Garden City Bks, 122 p., illus., by John Polgreen, \$2.95. The story of geology and geophysics, amply illustrated, for boys and girls.

**FRICTION ALL AROUND**—Tillie S. Pine and Joseph Levine—Whittlesey House, 48 p., illus. by Bernice Myers, \$2.50. Shows youngest readers many examples of friction and its results.

**GREAT SHIPS AROUND THE WORLD**—Penrose Scull, introd. by Frank O. Braynard—Ziff-Davis, 260 p., photographs, \$15; before Christmas \$12.50. The world's merchant marine in text and pictures.

**GROWING UP WITH SCIENCE**—Marianne Besser—McGraw, 218 p., \$4.50. Based on interviews with parents of Science Talent Search winners and scientists, tells parents how to encourage science interest in their children.

**THE HARVARD BRIEF DICTIONARY OF MUSIC**—Willi Apel and Ralph T. Daniel—Harvard Univ. Press, 341 p., illus., \$3.95. Compact guide to an intelligent approach to music.

**THE KIRTLAND'S WARBLER**—Harold Mayfield—Cranbrook Inst. of Science, 242 p., illus., \$6. Life history study of the species, with 22-page bibliography and bird species index.

**MEET THE NATIVES**—M. Walter Pesman—Pesman, 6th rev. ed., 220 p., illus., photographs by R. C. Grout, paper, \$3. An easy way to recognize Rocky Mountain wildflowers, trees and shrubs.

**METABOLIC PATHWAYS, Vol. I (Second Edition of Chemical Pathways of Metabolism)**—David M. Greenberg, Ed.—Academic, 572 p., illus., \$18. Discusses advances in the field of metabolic processes of living organisms.

**MODERN INSECTICIDES AND WORLD FOOD PRODUCTION**—F. A. Gunther and J. R. Jeppson—Wiley, 284 p., illus., \$8.50. General review of modern insecticides, problems of their use and problems from their use.

**OXIDE CERAMICS: Physical Chemistry and Technology**—Eugene Ryskhewitch—Academic, 472 p., illus., \$16. Deals principally with ceramics of single phase oxide systems.

**THE PLANT KINGDOM**—Harold C. Bold—Prentice-Hall, 114 p., illus., \$2.95; paper \$1.50. Orderly view of the diversity and common attributes of plants, from algae through the flowering plants.

**PLANT PHYSIOLOGY, A Treatise, Vol. 1 B: Photosynthesis and Chemosynthesis**—F. C. Steward, Ed.—Academic, 348 p., \$12. Reference work for advanced students and research workers.

**PROJECT IDEAS FOR YOUNG SCIENTISTS**—John K. Taylor, Ed., with Phoebe Knippling and Falconer Smith—Jt. Bd. on Science Education, 142 p., paper, \$1.25. Compilation of suggestions for science projects.

**READABLE RELATIVITY**—Clement V. Durell, foreword by Freeman J. Dyson—Harper, 146 p., illus., paper, \$1.25. Originally published in London, in 1926.

**THE ROCKEFELLER FOUNDATION ANNUAL REPORT 1959: The President's Review**—Dean Rusk—Rockefeller Foundation, 77 p., illus., single copies free upon request direct to publisher, 111 W. 50th St., New York 20, N. Y. Describes significant projects supported by Foundation's grants.

**RUSSIA'S ROCKETS AND MISSILES**—Albert Parry, introd. by Willy Ley—Doubleday, 382 p., \$4.95. Reports on Russia's progress in rocketry, based on information from Russian sources.

**THE SCIENCE OF MECHANICS: A Critical and Historical Account of Its Development**—Ernst Mach, transl. from German by Thomas J. McCormack, new introd. by Karl Menger—Open Court Pub. Co., 6th ed., 634 p., illus., \$6; paper \$2.45. Classic study, first published in 1893.

**WAVES IN LAYERED MEDIA**—Leonid M. Brekhovskikh, transl. from Russian by David Lieberman, Robert T. Beyer, Ed.—Academic, 561 p., \$16. On the theory of propagation of elastic and electromagnetic waves in layered media.

• Science News Letter, 78:364 December 3, 1960

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