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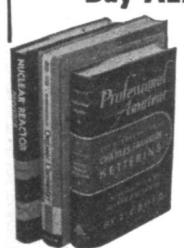
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Books of the Week

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APPLICATION OF ATOMIC ENGINES IN AVIATION—G. N. Nesterenko, A. I. Sobolev, and Yu. N. Sushkov, in English translation—*Technical Document Liaison Office (Office of Technical Services)*, 184 p., illus., paper, \$3. Originally published by the Military Press of the Ministry of Defense of the USSR, Moscow, 1957.

ATOMIC ENERGY: Glossary of Technical Terms—U. N. Terminology Section—*United Nations (Columbia Univ. Press)*, 215 p., paper, \$4. Atomic energy terms in English, French, Spanish and Russian.

BASIC ORGANIC CHEMISTRY—Louis F. Fieser and Mary Fieser—*Heath*, 369 p., illus., \$6. Organic chemistry textbook adaptable to a short course.

THE CHEMICAL ELEMENTS—Philip S. Chen—*Chemical Elements Co.* (South Lancaster, Mass.), rev. ed., chart 36x48 inches, \$1. Gives all data on the elements, their derivation, discovery, isotopes, occurrence, preparation, uses, production and distribution.

COLD INJURY—M. Irene Ferrer, Ed.—*Macy*, 341 p., illus., \$5.95. Transactions of the Fifth Conference, 1957, at Arctic Aeromedical Laboratory, Ladd Air Force Base, Alaska.

THE ENDOCRINOLOGY OF REPRODUCTION—Joseph Thomas Velardo, Ed.—*Oxford Univ. Press*, 340 p., illus., \$15. A textbook on the action of the hormones on the physiology of the reproductive organs. Extensive bibliographies included.

AN INTRODUCTION TO ELECTRONIC THEORIES OF ORGANIC CHEMISTRY—G. I. Brown—*Longmans*, 209 p., illus., \$3. Introduction to the theories which can be understood by any student with knowledge of the simpler facts of organic chemistry.

MAKING THE MOST OF YOUR YEARS—Evelyn Hart—*Public Affairs Committee*, Public Affairs Pamphlet No. 276, 28 p., illus., paper, 25¢. Advice on how to age happily.

MINNESOTA'S CHANGING GEOGRAPHY—John R. Borchert—*Univ. of Minn. Press*, 191 p., illus., \$4.25. To help Minnesota's young people understand and interpret the varied landscapes of the state.

OPERATIONS RESEARCH FOR INDUSTRIAL MANAGEMENT—Dimitris N. Chorafas—*Reinhold*, 303 p., \$8.75. Simulation studies and the use of electronic computers in executive decision making.

ORIGIN OF PRIMARY EXTRAXYLARY STEM FIBERS IN DICOTYLEDONS—Amelie Blyth—*Univ. of Calif. Press*, 90 p., illus., paper, \$2.

PHYSICAL SCIENCE FOR PROGRESS—Milton O. Pella and Aubrey G. Wood—*Prentice-Hall*, 515 p., illus., \$4.80. The principles of physics, chemistry, astronomy and physical geography, for a general high school course.

PHYSICS OF METEOR FLIGHT IN THE ATMOSPHERE—Ernst J. Opik—*Interscience*, 174 p., illus., \$3.85, paper \$1.95. Covers the phenomena occurring during the flight of a meteor through the terrestrial atmosphere.

RICHARD BYRD: Boy Who Braved the Unknown—Guernsey Van Riper, Jr.—*Bobbs-Merrill*, 189 p., illus., by Aubrey Combs, \$1.95. Childhood of a famous explorer, for young readers.

SEA SHELLS OF TROPICAL WEST AMERICA: Marine Mollusks from Lower California to Columbia—A. Myra Keen—*Stanford Univ. Press*, 624 p., 1,500 illus., \$12.50. Combines some of the scholarliness of a check list with the aspects of a popular handbook for the entire region.

SINGER SCIENCE DISCOVERIES—G. W. Frasier, Helen D. MacCracken and D. G. Decker—*Singer*, 288 p., illus. by Guy Brown Wisner, \$2.72. Fourth grade.

SINGER SCIENCE EXPERIMENTS—G. W. Frasier, Helen D. MacCracken and D. G. Decker—*Singer*, 320 p., illus. by Guy Brown Wisner, \$2.84. Fifth grade.

SINGER SCIENCE PROBLEMS—G. W. Frasier, Helen D. MacCracken and D. G. Decker—*Singer*, 352 p., illus. by Guy Brown Wisner, \$2.96. Sixth grade.

TEN STEPS INTO SPACE—I. M. Levitt, Willy Ley and others—*The Franklin Institute*—202 p., illus., paper \$4. Monograph contains series of lectures on space propulsion, satellite instrumentation, celestial mechanics, orbits and actual and future satellites.

TOOLS FOR MACHINE LITERATURE SEARCHING—J. W. Perry and Allen Kent with Semantic Code Dictionary, Equipment and Procedures—*Interscience*, 972 p., \$27.50. Contains tabulation of words with their codes in machine language and also the reverse tabulation, to permit finding the meaning of any code.

Science News Letter, January 3, 1959

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Questions

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GENERAL SCIENCE—What are three important research projects reported by the Carnegie Institution of Washington? p. 3.

GEOPHYSICS—What element has been discovered in the earth's high atmosphere? p. 4.

PHYSICS—At how high a temperature can masers operate? p. 7.

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