

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.

ANALYTIC GEOMETRY: A College Course Guide—William L. Schaaf—*Doubleday*, 378 p., paper, \$1.95. Complete treatment of curves and surfaces and their equations, with diagrams, examples, problems and answers.

CONTROLLED FUSION AND PLASMA RESEARCH: A Literature Search—Sidney F. Lanier—*US AEC (OTS)*, 201 p., paper, \$3. Lists 1,672 references on plasma physics, magnetohydrodynamics, experimental devices and related subjects.

DIFFERENTIAL GEOMETRY AND SYMMETRIC SPACES—Sigurdur Helgason—*Academic Press*, 486 p., \$12.50. Provides a self-contained introduction to Cartan's theory, as well as more recent developments in the theory of functions on symmetric spaces.

ENGINEERING ALLOYS—Norman E. Woldman—*Reinhold*, 4th ed., 1,354 p., \$29.50. Presents in tabular form alloy names, composition, tensile strength, yield point, special properties and uses.

THE EPIC OF MEDICINE—Felix Marti-Ibanez, Ed.—*Potter*, 295 p., illus., \$15; \$12.50 until Christmas. The history of medicine against the background of developing civilizations, for the general reader.

FUNDAMENTAL PROBLEMS IN TURBULENCE AND THEIR RELATION TO GEOPHYSICS—Francois N. Frenkiel, Ed.—*Am. Geophysical Union*, 234 p., illus., \$5. Proceedings of international symposium held in 1961 at Marseilles, France.

GAS CHROMATOGRAPHY—Nathaniel Brenner, Joseph E. Callen and Marvin D. Weiss, Eds.—*Academic Press*, 719 p., illus., \$22. Symposium proceedings on the technical advances of analysis instrumentation and their application in industry.

GEOMETRODYNAMICS—J. A. Wheeler, Ed.—*Academic Press*, 334 p., diagrams, \$6.50. Volume I of the Italian Physical Society "Topics of Modern Physics."

GLOSSARY OF TERMS FREQUENTLY USED IN CRYOGENICS—Langdon T. Crane, Ed.—*Am. Inst. of Physics*, 47 p., paper, \$1.

GLOSSARY OF TERMS FREQUENTLY USED IN SCIENTIFIC DOCUMENTATION—Robert S. Taylor—*Am. Inst. of Physics*, 19 p., paper, \$1.

GO! THE STORY OF OUTER SPACE—Charles Spain Verral—*Prentice-Hall*, 71 p., illus. by Lewis Zacks, \$2.85. For young boys.

GRECIAN CALENDAR—Christopher Rand—*Oxford Univ. Press*, 203 p., map, \$4.75. Describes a year's travels through Greece and the islands of the Aegean.

HANDBOOK OF CHEMISTRY AND PHYSICS: A Ready-Reference Book of Chemical and Physical Data—Charles D. Hodgman, Ed.-in-Chief—*Chemical Rubber Pub. Co.*, 44th ed., 3,604 p., \$12. Revision includes new charts and tables, such as recalculation of the fundamental constants and atomic weights of elements.

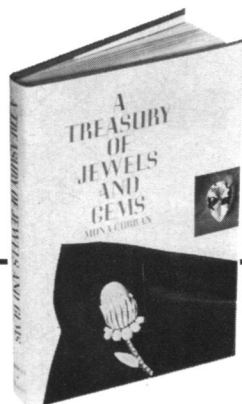
HIGH TRAILS: A Guide to the Cascade Crest Trail—Robert H. Wills—*Univ. of Wash. Press*, 157 p., photographs, paper, \$3. Mile-by-mile log and 20 trail maps cover Washington's scenic trails from Canadian to Oregon borders.

ILLUSTRATED GUIDE TO U.S. MISSILES AND ROCKETS—Stanley M. Ulanoff—*Doubleday*, rev. ed., 128 p., photographs, \$3.95. Description and specifications of more than 65 missile and rocket types.

LAST OF THE MAYA—Herbert Rittlinger—*Taplinger*, 254 p., illus., \$4.95. Describes a journey through the jungle of Southern Mexico.

MARVELS OF AMERICAN INDUSTRY—Donald E. Cooke—*Hammond*, 275 p., 400 photographs, \$9.95; \$8.95 before Christmas. Tells the story of the American genius for production through its industries.

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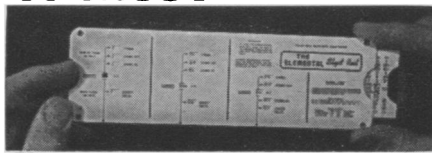
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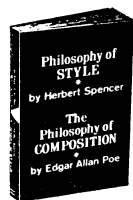
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MEN, BIRDS AND ADVENTURE: The Thrilling Story of the Discovery of American Birds—Virginia S. Eifert—*Dodd*, 273 p., illus., \$4.50. Narrative about the pioneers and their expeditions in search of new ornithological specimens in the Western Hemisphere.

THE MORAL JUDGMENT OF THE CHILD—Jean Piaget with others, transl. from French by Marjorie Gabain—*Collier*, 410 p., paper, \$1.50. This study by eminent Swiss psychologist investigates children's acceptance of rules and how children distinguish between right and wrong.

NUCLEAR RADIATION IN GEOPHYSICS—H. Israel and A. Krebs, Eds., introd. by R. D. Evans—*Academic Press*, 430 p., illus., \$18. Summarizes the essential features of natural, artificial and man-made radioactivity in the geophysical area, the principal directions of current inquiries and of future research.

PHYSICS AND CHEMISTRY OF ELECTRONIC TECHNOLOGY—Harry L. Van Velzer—*McGraw*, 372 p., diagrams, \$10. Interdisciplinary manual, to give trained technologists a broader understanding of vacuum tube fundamentals.

A PROGRAMMING LANGUAGE—Kenneth E. Iverson—*Wiley*, 268 p., \$8.95. Material suitable for a two-semester course at the senior or graduate level.

REASON AND CHANCE IN SCIENTIFIC DISCOVERY—R. Taton, transl. by A. J. Pomerans—*Science Editions*, 171 p., illus., paper, \$1.65. Reprint (1957).

RECENT PROGRESS IN THE CHEMISTRY OF NATURAL AND SYNTHETIC COLOURING MATTERS AND RELATED FIELDS—T. S. Gore and others, Eds.—*Academic Press*, 659 p., \$24. Commemorative volume of international original papers, dedicated to Professor K. Venkataraman on the occasion of this 60th birthday.

SEEING FINGERS: The Story of Louis Braille—Etta DeGering—*McKay*, 116 p., illus. by Emil Weiss, \$2.95. Juvenile biography.

SPEED MATHEMATICS SIMPLIFIED—Edward Stoddard—*Dial Press*, 271 p., \$4.95. Method of rapid problem solving, based on Japanese abacus use.

THE STORY OF CHEMISTRY—Mac and Ira Freeman—*Random House*, 82 p., illus. by Charles Goslin, \$1.95. At primary school reading level.

TEXTBOOK OF LOGIC—A. Wolf—*Collier*, 2nd rev. ed., 351 p., paper, \$1.50. Reprint (1938).

TRACE ELEMENTS in Human and Animal Nutrition—E. J. Underwood—*Academic Press*, 2nd rev. ed., 429 p., illus., \$9.50. Reference work for specialists and students, includes voluminous reference lists.

UNUSUAL CAREERS—Martha E. Munzer—*Knopf*, 142 p., illus. by John Kaufmann, \$3. Acquaints young people with the work of solar scientist, meteorologist, ecologist and other professional careers.

WINTER-SLEEPERS—Phyllis Sarasy—*Prentice-Hall*, 64 p., illus. by Edna Miller, \$2.95. About hibernating animals, for boys and girls.

THE WORLD OF LEONARDO DA VINCI: Man of Science, Engineer and Dreamer of Flight—Ivor B. Hart—*Viking*, 374 p., illus., \$7.95. A scholarly, generously illustrated evaluation of Leonardo's versatile genius, particularly in the fields of physics and mechanics, against the background of the world in which he lived.

• Science News Letter, 82:308 November 10, 1962

INVENTORS NEEDED AT ONCE

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