

# 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, priced at 95¢ or over, 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. Request free publications direct from publisher, not from Science Service.

AUSTRALIAN ATOMIC ENERGY SYMPOSIUM, 1958: Proceedings of a Symposium on the Peaceful Uses of Atomic Energy in Australia held in Sidney from June 2 to 6, 1958—J. P. Baxter, Chmn.—*Melbourne Univ. Press (Cambridge Univ. Press)*, 788 p., illus., \$17.50.

AUTOMATIC TITRATORS—J. P. Phillips—*Academic*, 225 p., illus., \$6. On the effects of automation on volumetric analysis.

CHEMISTRY AS A PROFESSION—J. L. Riebsomer—*Bellman*, 20 p., paper, \$1. Vocational and professional monograph No. 104.

CHEMISTRY OF NUCLEAR POWER—J. K. Dawson and G. Long—*Philosophical Lib.*, 208 p., illus., \$10. British scientists tell of the part played by chemists in the development of nuclear power.

A CITIZENS MANUAL FOR PUBLIC SCHOOLS: A Guide for School Board Members and Other Laymen—Mortimer Smith—*Council for Basic Education*, 95 p., paper, \$1.

THE COAL BURNING PISTON ENGINE—H. P. Marshall and Carl Shelton, Jr.—*Va. Polytechnic Inst.*, 36 p., illus., paper, 50¢. Findings of test, burning coal dust in Diesel engine.

DARWIN'S BIOLOGICAL WORK: Some Aspects Reconsidered—P. R. Bell and others—*Cambridge Univ. Press*, 343 p., illus., \$7.50. Essays demonstrating the width of Darwin's interests and ability as a biologist.

A DICTIONARY OF DIFFICULT WORDS—Robert H. Hill—*Philosophical Lib.*, rev. ed., 351 p.,

\$5. More than 15,000 definitions, from aardvark to zymurgy.

DRILLING THRU THE EARTH'S CRUST: A Study of the Desirability and Feasibility of Drilling a Hole to the Mohorovicic Discontinuity—AMSOC Committee—*Nat. Acad. of Sciences-Nat. Res. Council*, 20 p., illus., paper, \$1.

GIANTS OF SCIENCE—Philip Cane—*Grosset*, 159 p., illus. by S. Nisenson, \$2.95. Stories about fifty scientists and their basic contributions, from Pythagoras to Fermi, for young people.

HOW YOU CAN STOP SMOKING . . . PERMANENTLY—Ernest Caldwell, foreword by Melvin Powers—*Wilshire Bk.*, 96 p., paper, \$1. Suggestions how to break the habit without drugs.

AN ILLUSTRATED KEY TO THE LIZARDS, SNAKES AND TURTLES OF THE WEST—Jay M. Savage—*Naturegraph*, rev. ed., 36 p., illus., paper, \$1. Pocket key to reptiles found west of the Rocky Mountains.

JOURNAL OF LIPID RESEARCH, Vol. I, No. 1—D. B. Zilversmit, Ed.—*Lipid Research, Univ. of Tenn.*, 138 p., illus., \$2, quarterly, annual subscription \$6. Offers original work in the chemistry, biochemistry, enzymology, histochemistry, and physiology of lipids.

MEN, ANTS, & ELEPHANTS: Size in the Animal World—Peter K. Weyl—*Viking*, 103 p., illus. by A. Ravielli, \$3. Scientist explains the range of size and shows how size affects ability to do things. Copiously illustrated, for children of all ages.

MODERN GENERAL SCIENCE—Alan H. Humphreys—*Steck*, 265 p., illus. by C. Wiegand, photographs, paper, \$2. Combination workbook and laboratory manual for junior high school.

MOST DANGEROUS SEA: A History of Mine Warfare, and an Account of U. S. Navy Mine Warfare Operations in World War II and Korea—Arnold S. Lott—*U. S. Naval Inst.*, 322 p., photographs, \$6.

NUCLEAR METALLURGY (Vol. VI): A Symposium on Effects of Irradiation on Fuel and Fuel Elements—Inst. of Metals Div., W. D. Manley and J. A. Fellows, Chmn.—*Am. Inst.*

## MIRACLE in MATHEMATICS

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of Mining, Metallurgical & Petroleum Eng., 94 p., illus., paper, \$7.

PROGRESS IN ELEMENTARY PARTICLE AND COSMIC RAY PHYSICS, Vol. IV—J. G. Wilson and S. A. Wouthuysen, Eds.—*Interscience*, 470 p., illus., \$12.50. Theoretical aspects of particle interaction, properties of K-mesons, interaction of mu mesons with matter and cosmic radiation.

RESEARCH ACTIVITIES 1958—Everett J. Elmer—*N. Y. Univ.-Bellevue Med. Clinic*, 124 p., illus., paper, single copies free upon request direct to publisher, PR, 550 1st Ave., New York 16, N. Y. Research projects with bibliographies.

SCIENCE AND PUBLIC POLICY—Dael Wolfe—*Univ. of Neb. Press*, 81 p., paper, \$1.50. On science in the federal government and education.

SCIENCE FOR CHILDREN—Muriel Mandell—*Sterling*, 96 p., illus. by S. Matsuda, \$2.50. 100 experiments for the young child, each explaining an important scientific principle.

SOIL, GRASS AND CANCER: Health of Animals and Men is Linked to the Mineral Balance of the Soil—Andre Voisin, transl. from French by C. T. M. Herriot and Henry Kennedy—*Philosophical Lib.*, rev. ed., 302 p., illus., \$15. On the relation of soil to nutrition, with the author's own brief theorizing as to its relation to a disease such as cancer.

SPEAK MY LANGUAGE: Spanish for Young Beginners—Mirjam Ahlman and Zenobia Gilbert—*Dover*, 69 p., illus., 2 ten-inch 33 1/2 long playing records, \$4.95. Designed for ages 8 to 13.

THE THIRD CURRICULUM: Student Activities in American Education—Robert W. Frederick—*Appleton*, 454 p., illus., \$5.75. Chapter on Science Clubs included.

TRENDS IN ATOMIC PHYSICS: Essays Dedicated to Lise Meitner, Otto Hahn, Max von Laue, on the Occasion of Their 80th Birthday—O. R. Frisch and others, Eds.—*Interscience*, 285 p., illus., \$7.50. Scientists' essays evaluating new research in historical context, in German, English and French.

TRIP GENERATION AND URBAN FREEWAY PLANNING—F. Houston Wynn and others—*Highway Res. Bd.*, Bull. 230, 125 p., illus., paper, \$2.40.

Science News Letter, December 19, 1959

## Do You Know

American motorists wear out 400,000,000 pounds of tire rubber through abrasion at an annual cost of \$2,500,000,000 in the replacement or recapping of their tires.

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