

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.

AUTOMATION AND TECHNOLOGICAL CHANGE—John T. Dunlap, Ed.—*Prentice-Hall*, 184 p., paper, \$1.95. Several essays on technological change, each told in somewhat different terms and emphasizing different consequences.

THE GREAT MIGRATIONS OF ANIMALS—George Blond—*Collier*, 160 p., paper, 95¢. Describing a few of the migratory species, the author tells of their habits, and attempts to explain the reasoning behind them.

THE HALL OF FAME FOR GREAT AMERICANS: At New York University—Theodore Morello, Ed.—*N. Y. Univ. Press*, 193 p., photographs, \$4. Official handbook of the Hall of Fame, including 89 distinguished men and women who have contributed to the growth of America in arts, sciences, scholarship and government, with brief sketches of each.

THE HIDDEN WORLDS OF POLYNESIA—Robert C. Suggs—*Harcourt*, 247 p., photographs, \$5.75. The chronicle of an archaeological expedition to Nuku Hiva in the Marquesas Islands.

HORIZONS IN BIOCHEMISTRY: Albert Szent-Gyorgyi, Dedicatory Volume—Michael Kasha, and Bernard Pullman, Eds.—*Academic Press*, 604 p., illus., \$16. Essays by an international group of scientists covering new concepts, new analysis and philosophical viewpoints concerning the future of modern biochemistry and molecular biology.

A HUNDRED YEARS OF GEOGRAPHY—T. W. Freeman—*Aldine Pub. Co.*, 335 p., \$6.95. Presents a historical and biographical survey of geography as a developing science, including a bibliography of many geographical works, and brief sketches of several important geographers.

INSTRUMENTS FOR MEASUREMENT AND CONTROL—Werner G. Holzbock—*Reinhold*, 2nd ed., 391 p., illus., \$10. Describing instruments for measurement and control, for use in industry and engineering courses.

MARVELS OF SCIENCE—Isaac Asimov—*Collier*, 222 p., illus., paper, 95¢. Essays, of fact and fancy, on life, its environment and its possibilities.

THE MATHEMATICAL MAGPIE—Clifton Fadiman, Ed.—*Simon and Schuster*, 300 p., \$4.95. A collection of stories, essays, rhymes, music, anecdotes, and epigrams all derived from mathematics.

MATHEMATICS FOR MANAGEMENT SCIENCE—Bernard Hanes—*Merrill Bks.*, 226 p., diagrams, \$7.95. Provides a basis for more advanced work in probability and statistics.

MORE SOVIET SCIENCE FICTION—Introduction by Isaac Asimov—*Collier*, 190 p., paper, 95¢. Five strange stories of life in the future, Russian style. Mostly the words of scientists.

THE NEW SCIENTIST—Paul C. Obler and Herman A. Estrin, Eds.—*Doubleday*, 316 p., paper, \$1.25. Essays on the methods and values of modern science.

PHILOSOPHY OF SCIENCE: The Link Between Science and Philosophy—Philipp Frank—*Prentice-Hall*, 394 p., paper, \$2.45. Traces the history of science to show that philosophy has always been a part of the scientific process.

PIONEERS OF SCIENCE—Sir Oliver Lodge—*Dover*, 403 p., illus., paper, \$1.50. Tells of the development of their theories on the orbits of the planets, gravity, light, and the origin of the solar system, planets and asteroids.

THE PLANNING AND DESIGN OF AIRPORTS—Robert Horonjeff—*McGraw-Hill*, 464 p., illus., \$14.50. Text to help community planners, airport consultants, and those interested in bettering their community, with the planning, design and development of modern airports, covering many aspects of the subject.

READING DISABILITY: Progress and Research Needs in Dyslexia—John Money, Ed.—*Johns Hopkins Press*, 222 p., illus., \$5. Edited by a professor of medical psychology and pediatrics, it is the outcome of a conference on dyslexia at Johns Hopkins University.

REASON IN SCIENCE—George Santayana—*Collier*, 224 p., paper, 95¢. Includes chapters on types and aims of science, history of science, mechanism, dialectic, rational ethics, and hesitations in method.

SCIENCE AND THE SOCIAL ORDER—Bernard Barber, foreword by Robert K. Merton—*Collier*, rev. ed., 351 p., paper, \$1.50. Examines the social functions and consequences of science, including the nature and history of science, as well as the scientist in industry, university and government.

THE SCIENTIFIC LIFE—Theodore Berland—*Coward-McCann*, 308 p., \$5.75. Portraits of nine leading American scientists; their achievements, their family lives, their philosophies, their politics and their views on religion.

THE STORY OF X-RAYS FROM RONTGEN TO ISOTOPES—Alan Ralph Bleich—*Dover*, 186 p., illus., paper, \$1.35. For the general reader. Answers questions such as: what are the symptoms and recommended treatment of cancer and other forms of tumor and what effect will X-rays, fluoroscopy and atomic radiation have on our descendants?

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STUTTERING AND WHAT YOU CAN DO ABOUT IT—Wendell Johnson—*Doubleday*, 279 p., paper, 95¢. Tells the general reader, the parent, the stutterer, and the teacher about the characteristics and cures of stuttering.

TECTONICS—Jean Goguel, transl. from French by Hans E. Thalmann—*Freeman*, 384 p. illus., \$10. Includes the historical character of geology, a definition of tectonics, methods to be applied, plan of the work and fundamental observations.

TIME AND ITS MYSTERIES—Introduction by Harlow Shapley—*Collier*, 186 p., paper, 95¢. Essays on time by a group of important scientists.

THE TRUE BOOK OF CHEMISTRY—Philip Carona—*Childrens Press*, 46 p., illus. by George Wilde, \$2. Explains simply about the pre-school elements, chemical symbols, atoms and molecules.

THE TRUE BOOK OF SPIDERS—Illa Podendorf—*Childrens Press*, 46 p., illus. by Betsy Warren, \$2. About what spiders are, where they live, what they eat, and how they move about. For the pre-school child.

WILDLIFE SKETCHES: Near and Far—Bruce S. Wright—*Brunswick Press*, 288 p., photographs, \$5.95. An account of a naturalist among his friends, ranging from common species such as the black duck and bald eagle to the sea minks, giant squids, and eastern panthers. Written for all those who love the out-of-doors.

YOUR CAREER OPPORTUNITIES IN NURSING—Gail Novak, Ed.—*Rowman and Littlefield*, 64 p., illus., paper, 75¢. Covers many aspects of the nursing field to help girls decide on a career.

YOUR CAREER OPPORTUNITIES IN TEACHING—Gail Novak, Ed.—*Rowman and Littlefield*, 64 p., illus., paper, 75¢. Covers many aspects of the teaching field for the information and interest of the future teacher.

• Science News Letter, 82:76 August 4, 1962

An injury frequently overlooked among younger sports participants is damage to the phalangeal *epiphyses*, which, if neglected, may result in serious malfunction of the hand.

In 1800 the largest source of energy was burning wood, in 1900 coal, and in 1958, oil and gas.

DEALING WITH DELINQUENTS

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Questions

GEOPHYSICS—What was one of the first discoveries of the U. S. satellite launchings? p. 74.

HORTICULTURE—What new chemical keeps flowers from wilting? p. 72.

MEDICINE—What is radioautography? p. 67.

METEOROLOGY—What two conditions combine to cause drought? p. 79.

MINERALOGY—How are geologists aiding physicians in the study of deficiency disease? p. 73.

SPACE—What are the two schools of thought regarding the origin of tektites? p. 70.

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