

Books of the Week

For the editorial information of our readers, books received for review since last week's issue 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. Request free publications direct from publisher, not from Science Service.

THE AAAS SCIENCE BOOK LIST—Hilary J. Deason—*Am. Assn. for the Advancement of Science*, 140 p., paper, \$1. A guide to recreational and collateral reading and to basic reference works in the sciences and mathematics for junior and senior high school students, college undergraduates and non-specialist adults.

ANCIENT SCIENCE AND MODERN CIVILIZATION—George Sarton—*Harper*, 111 p., paper, 95¢. Reprint of three essays on the times of Euclid and of Ptolemy, and the end of Greek science and culture.

BASIC DATA OF PLASMA PHYSICS—Sanborn C. Brown—*Technology Press & Wiley*, 336 p., illus., \$6.50. Graduate course in gas discharges, specifically prepared for an M.I.T. course in plasma dynamics.

THE CHEMICAL WARFARE SERVICE: Organizing for War—Leo P. Brophy and George J. B. Fisher—*Off. of Chief of Military Hist. Dept. of Army (Govt. Print. Off.)*, 498 p., illus., \$4. The history of gas warfare preparations during World War II.

THE EARTH SHOOK, THE SKY BURNED—William Bronson—*Doubleday*, 192 p., 400 photographs, \$5.95. Depicting the destruction of San Francisco, following the earthquake of April 18, 1906, in the words of a California journalist with on-the-scene photographic record.

ECHOES OF BATS AND MEN—Donald R. Griffin—*Doubleday*, 156 p., illus., paper, 95¢. Tells of the interplay between sound waves and the animals and men who use them, including the physics of seeing with sound waves, told for young students and laymen.

EXPLORING THE STRUCTURE OF MATTER—Jean-Jaques Trillat, preface by Maurice de Broglie and Louis de Broglie, transl. from French by F. W. Kent—*Interscience*, 214 p., illus., \$4.85. Deals with micrography by X-rays and by electrons, electron microscopy and its applications, and diffraction of material particles.

GREAT EXPERIMENTS IN PHYSICS—Morris H. Shamos, Ed.—*Holt*, 370 p., illus., \$4.40. The original accounts of 24 experiments that created modern physics, annotated by the editor, with short biographies of the great physicists.

INDUSTRIAL ACCIDENT PREVENTION: A Scientific Approach—H. W. Heinrich, asst'd by E. R. Granniss—*McGraw*, 4th ed. 480 p., illus., \$9. Tested methods for achieving greater safety and efficiency, and for eliminating costly accidents in manufacturing and construction work.

AN INEXPENSIVE SCIENCE LIBRARY: A Selected List of Paperbound Science Books—Hilary J. Deason and Robert W. Lynn—*Am. Assn. for the Advancement of Science*, 3rd ed., 59 p., paper, 25¢. New features of the present edition are a brief descriptive note for each book, and the classification of each title as to degree of difficulty.

INFORMATION AND ERROR: An Introduction to Statistical Analysis—Solomon Diamond—*Basic Bks.*, 307 p., \$5. Fundamentals of analytic techniques and their uses in statistical psychology.

INTRODUCTORY NUCLEAR THEORY—L. R. B. Elton—*Interscience*, 286 p., \$6.40. Graduate course of theoretical nuclear physics.

THE LITTLE NATURALIST—Frances Frost—*Whittlesey House*, 48 p., illus. by Kurt Werth, \$2.50. Poems about small animals for young readers.

MAPPING THE WORLD: A Global Project of the Corps of Engineers, U.S. Army—C. B. Colby—*Coward-McCann*, 48 p., illus., \$2. Shows in picture and word the highly skilled and complicated operations used in surveying and map making.

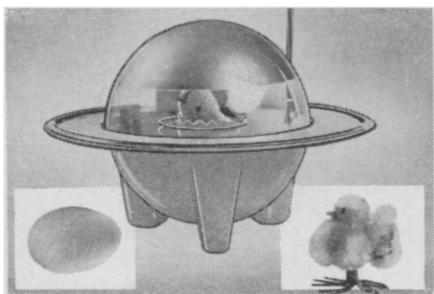
MEN, MOSS AND REINDEER: The Challenge of Lapland—Erik Berry—*Coward-McCann*, 96 p., illus., \$2.50. Tells young people how the Lapps live, how men make a living north of the Arctic Circle.

MODERN SCIENCE DICTIONARY: Astronomy, Biology, Chemistry, Geology, Meteorology, Physics—A. Hechtlinger—*Franklin Pub. Co.*, 784 p., illus., \$10. More than 15,000 concise definitions and biographical data, useful to students, teachers and the general reader.

NEW INSTRUMENTS AND METHODS OF ENGINEERING GEOLOGY—N. V. Glazov and A. N. Glazov, transl. from Russian by J. Paul Fitzsimmons—*Consultants Bureau*, 91 p., illus., \$3.25. Russian review of present methods and equipment used by engineering geologists and hydrologists.

NOISE CONTROL IN BUILDINGS: Proceedings of

HATCH A CHICK IN YOUR LIVING ROOM



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1959 BRI Conference—John S. Parkinson, Chmn.—*Building Res. Inst.*, NAS Publication 706, 150 p., illus., paper, \$5. Examines acoustics and noise control problems created by lighter weight construction, high velocity mechanical equipment, ventilating and communication systems, and other modern devices.

NUCLEAR ELECTRONICS, Vol I: Proceedings of the International Symposium on Nuclear Electronics, Paris 1958—*International Atomic Energy Agency (International Publications, N. Y.)*, 452 p., illus., paper, \$4. Papers in English and French, of interest to nuclear and electronic scientists and engineers.

PHENOLIC RESINS—David F. Gould—*Reinhold*, 213 p., illus., \$5.75. Survey of the properties and applications of phenolics, useful to the engineer, manufacturer and student.

PHOTOTUBES—Alexander Schure, Ed.—*Rider*, 88 p., illus., paper, \$1.80. Helps student understand the fundamentals of photoelectricity, photoemissivity theory, and the structure of vacuum and gas-filled phototubes.

POWER AND MORALITY: Who Shall Guard the Guardians?—Pitirim A. Sorokin and Walter A. Lunden—*Sargent*, 202 p., \$3.50. Sociologist's and criminologist's inquiry into the power position of political bosses and rulers of governments, with suggestions of how to limit this power in the interest of mankind.

PROGRESS IN CRYOGENICS, Vol I—K. Mendelssohn, Ed.—*Academic*, 259 p., illus., \$11. Up-to-date information on developments in low-temperature research, such as frozen free radicals, thermoelectric cooling and ultrasonic attenuation in metals at low temperatures.

SCIENCE BEGINS AT HOME—Anne Roe—*Thomas Alva Edison Foundation*, 20 p., paper, single copies free upon request direct to publisher, 8 W. 40th St., New York 18, N.Y. Psychologist looks into the social and family influences that go into the making of the scientific personality. Bibliography.

SCIENCE SINCE 1500: A Short History of Mathematics, Physics, Chemistry, Biology—H. T. Pledge—*Harper*, 357 p., illus., paper, \$1.85. Reprint of book first published in 1939.

SOAP BUBBLES AND THE FORCES WHICH MOULD THEM—C. V. Boys—*Doubleday*, 156 p., illus., paper, 95¢. A long-out-of-print classic, still an excellent treatment of the science of soap bubbles, written for the layman.

TEXTBOOK OF ANATOMY AND PHYSIOLOGY—Catherine Parker Anthony—*Mosby*, 5th ed., 574 p., illus., \$5.35. Fully revised edition contains new chapters on fluid and electrolyte balance and on acid-base balance.

THE TRAVELING ELEMENTARY SCHOOL SCIENCE LIBRARY—Hilary J. Deason, asst' by Nancy C. Barrett and Stephen W. Fisher—*Am. Assn. for the Advancement of Science*, 47 p., paper, 25¢. List of 160 books in the major scientific disciplines, selected for students from first to sixth or eighth grades, marked primary, intermediate or advanced.

THE TRAVELING HIGH SCHOOL SCIENCE LIBRARY—Hilary J. Deason—*Am. Assn. for the Advancement of Science*, 5th ed., 61 p., paper, 25¢. 200 titles chosen primarily for the academically talented students in high school who have the interest and initiative to go beyond routine textbook assignments. In 1959-60 about 1,700 senior high schools will participate in this circulating library program.

THE TRUE BOOK OF JUNGLES—Illa Podendorf—*Childrens Press*, 47 p., illus. by Katherine Grace, \$2. Acquaints the youngest readers with the plants and animal life of the jungle.

UNDERWATER WORK: A Manual of Scuba Commercial, Salvage and Construction Operations—John E. Cayford—*Cornell Maritime*, 217 p., illus., \$5. About underwater construction and repairs, pipelaying, welding, blasting, logging and photography.

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