

# 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.

**ADVANCES IN BIOLOGICAL AND MEDICAL PHYSICS**, Vol. VI—Cornelius A. Tobias and John H. Lawrence, Eds.—*Academic*, 639 p., illus., \$16.50. Includes chapters on fallout, on the effects of ionizing radiations and on cell studies.

**THE ANCIENT MARINERS: Seafarers and Sea Fighters of the Mediterranean in Ancient Times**—Lionel Casson—*Macmillan*, 286 p., illus., \$5.95. Recounts developments in ship design, methods of naval warfare, winds, currents and harbors of the Mediterranean.

**ANIMAL LIFE**—Lorus J. Milne and Margery Milne—*Prentice-Hall*, 367 p., illus., \$6.95. Textbook introducing living things, particularly as they are related to man and he to them.

**AUSTRALIAN ROAD PRACTICE: An Introduction to Highway Engineering**—H. M. Sherrard—*Melbourne Univ. Press (Cambridge Univ. Press)*, 407 p., illus., \$19.50. Of interest to engineers and students in countries which have similar climatic and traffic conditions as Australia has.

**BIRTH OF AN ISLAND**—Millicent E. Selsam—*Harper*, 48 p., illus. by Winifred Lubell, \$2.50. Tells of how plants and animal life came to a new volcanic island. For the grade school child.

**CAMELLIA CULTURE**—E. C. Touje, Ed.—*Macmillan*, 484 p., illus., \$11.50. Compendium of latest scientific practices, including chapter on radiation genetics.

**THE CELLULAR SLIME MOLDS**—John Tyler Bonner—*Princeton Univ. Press*, 150 p., illus., \$4. Survey of the different known aspects of the biology of the cellular slime molds.

**DIAMONDS**—Herbert S. Zim—*Morrow*, 64 p., illus. by Gustav Schrotter, \$2.50. Informative reading for boys and girls.

**DIGGING INTO HISTORY: A Brief Account of Fifteen Years of Archaeological Work in New Mexico**—Paul S. Martin—*Chicago Nat. Hist. Mus.*, 157 p., illus. by Gustaf Dalstrom, paper, \$1.50. Discoveries about the Mogollon Indians.

**EAT WELL & STAY WELL**—Ancel and Margaret Keys, foreword by Paul Dudley White—*Doubleday*, 359 p., \$3.95. Combines the science of nutrition with expertness in the culinary arts.

**EDISON & FARADAY EXPERIMENTS YOU CAN DO**—Marjorie Van de Water, foreword by Charles

F. Kettering—*Science Service* with International Edison Birthday Celebration Committee, 35 p., illus., paper, 25¢. Contains experiments selected from Faraday's diary and Edison's notebooks.

**THE EDUCATION OF WOMEN: Signs for the Future**—Opal D. David, Ed.—*Am. Council on Educ.*, 153 p., paper, \$2. Report of a Conference on the Present Status and Prospective Trends of Research on the Education of Women.

**EXPLORING SCIENCE**—Jonathan N. Leonard—*World Pub. Co.*, 318 p., illus. by Louis Darling and I. N. Steinberg, \$4.95. The story of man's scientific achievements in winning mastery over his environment, told for young people.

**THE FAMILY MEDICAL ENCYCLOPEDIA**—Justus J. Schifferes—*Little*, 617 p., illus. by Louise Bush, \$4.95. A home reference book of medical care.

**THE FEARFUL CHOICE: A Debate on Nuclear Policy**—conducted by Philip Toynbee with 22 Britishers—*Wayne State Univ. Press*, 112 p., \$2.50. Explores opinions regarding nuclear policy pertinent to British defense.

**FLORENCE SABIN: Colorado Woman of the Century**—Elinor Bluemel—*Univ. of Colo. Press*, 238 p., illus., \$5.50. Scientist and humanitarian.

**FLY REDWING FLY**—Lloyd Lózes Goff—*Lothrop*, 28 p., illus. by author, \$2.75. Life story of a redwing, beautifully illustrated.

**GLIDING: A Handbook on Soaring Flight**—Derek Piggott—*Macmillan*, 261 p., illus., \$5. Comprehensive guide to gliding, written by a British flight instructor.

**GOATS**—Wilfrid S. Bronson—*Harcourt*, 64 p., illus. by author, \$2.95. Informative and humorous book for young boys and girls.

**THE GRAFTER'S HANDBOOK**—R. J. Garner—*Oxford Univ. Press*, 2nd ed., 260 p., illus., \$5.75. Contains everything the amateur or professional gardener need to know about grafting.

**THE GREAT DECISION: The Secret History of the Atomic Bomb**—Michael Amrine—*Putnams*, 251 p., \$3.95. The story of the personalities, the events and decisions which led to the use of the atomic bomb in World War II.

**HEATH ELEMENTARY SCIENCE 1959**—Herman and Nina Schneider—*Heath*, six-book series, illus., grade 1: 154 p., \$2.20; grade 2: 216 p., \$2.44; grade 3: 282 p., \$2.68; grade 4: 314 p., \$2.80; grade 5: 346 p., \$2.92; grade 6: 378 p., \$3.08. Includes many experiments with simple materials.

**HELP FOR TEN MILLION: A Manual for Patients with Arthritis, Rheumatism and Gout**—Darrell C. Crain—*Lippincott*, 251 p., illus., paper, \$1.45. A manual discussing the most important forms of the diseases.

**A HISTORY OF SCIENCE: Hellenistic Science and Culture in the Last Three Centuries B.C.**

George Sarton—*Harvard Univ. Press*, 554 p., illus., \$11. The late author's purpose was "to explain the development of the scientific spirit, the history of man's reactions to truth."

**INSIDE THE LIVING CELLS: Some Secrets of Life**—J. A. V. Butler—*Basic Bks*, 174 p., illus., \$3.50. Nontechnical account of the mechanism of cells, their reaction to radiation, and their transformation into malignancies.

**IT'S FUN TO LEARN**—Marion Jollison—*Hart*, 128 p., illus. by Vivienne Blake, paper, \$1. Games that teach, for boys and girls five to eight years old.

**KINESIOLOGY: The Anatomy of Motion**—Ellen Neall Duvall—*Prentice-Hall*, 292 p., illus. by Helen Lorraine, \$5.75. A textbook for medical students and therapists.

**THE MAMMALS OF IRAQ**—Robert T. Hatt—*Mus. of Zool., Univ. of Mich.*, 113 p., 6 plates, paper, \$1.50. Records the results of an investigation conducted in Iraq in 1952/53 on a Fulbright grant.

**MAN AND SCIENCE: A Study of Mankind, Past and Present**—Ben Day Smith—*Exposition*, 126 p., illus., \$3. An attempt to evaluate man as an intelligent biological product, and science as it affects man.

**MAN IN THE PRIMITIVE WORLD: An Introduction to Anthropology**—E. Adamson Hoebel—*McGraw*, 2nd ed., 678 p., illus., \$9. For the student, the worker in other sciences, and the lay reader.

**MY PARTNER, THE RIVER: The White Pine Story on the Susquehanna**—R. Dudley Tonkin—*Univ. of Pittsburgh Press*, 276 p., illus., \$6. A story of lumbering, based on actual records.

**NATURE STORIES FROM THE VIENNA WOODS**—Lilli Koenig, foreword by Konrad Lorenz—*Crowell*, 159 p., illus. by author, \$3.50. Biographies of little animals observed from a wildlife research station deep in the woods around Vienna, Austria.

**THE NEW BACKGROUND OF SCIENCE**—Sir James Jeans—*Univ. of Mich. Press*, 312 p., paper, \$1.95. Reprint of 1934 edition.

**NOMENCLATURE OF ORGANIC CHEMISTRY 1957**—International Union of Pure and Applied Chemistry—*Butterworths (Canada)*, 92 p., \$3. Definitive rules for hydrocarbon, heterocyclic systems and steroids, and tentative rules for the vitamin B<sub>12</sub> field.

**NUCLEAR SCIENCE ABSTRACTS: Subject and Author Indexes, Vols. 5-10, 1951-1956**—Everett J. Hoffman—*U. S. Atomic Energy Comm. (Govt. Print. Off.)*, 1038 p., paper, \$5.25. Covers not only unclassified and declassified US-AEC research reports, but also material from other U. S. and foreign government agencies, universities and industrial research organizations.

**OUR EARTH: The Properties of Our Planet, How They Were Discovered, and How They Came into Being**—Arthur Beiser—*Dutton*, 123 p., illus., \$3.25. Concise geophysics for the general reader.

**AN OUTLINE OF PHOTOGRAMMETRY**—K. Schwidofsky, transl. from German by John Fosberry—*Pitman*, 326 p., illus., \$13. Describes fundamental principles and the various instruments and methods of aerial mapping.

**THE PERPETUAL FOREST**—W. B. Collins—*Lippincott*, 288 p., \$4.50. A forester-scientist who has lived for twenty years in the tropical forest, tells of its endless cycle of life, death and renewal.

**PHYSICAL SCIENCE: A Basic Course**—John C. Hogg, Judson B. Cross and Kenneth E. Vordenberg—*Van Nostrand*, 604 p., illus., \$4.96. High school course showing the interdependence of physics, chemistry, geology, meteorology and astronomy.

**THE PLASMA PROTEINS: Clinical Significance**—Paul G. Weil—*Lippincott*, 133 p., \$3.50. Emphasizes the relation of the blood's plasma proteins to health and disease.

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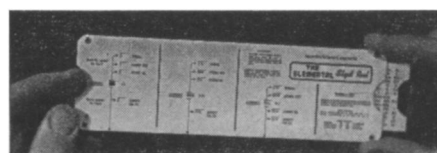
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**POLAROGRAPHY:** In Medicine, Biochemistry, and Pharmacy—M. Brezina and P. Zuman, foreword by J. Heyrovsky, transl. from Czech by S. Wawzonek—*Interscience*, rev. English ed., 862 p., illus., \$19.50. Compendium of practical methods from worldwide polarographic research.

**PRINCIPLES OF MODERN PHYSICS**—Robert B. Leighton—*McGraw*, 795 p., illus., \$12.50. Textbook for fourth-year physics major or first-year graduate course, including recent advances and numerous exercises.

**RESEARCH IN EDUCATION**—John W. Best—*Prentice-Hall*, 320 p., \$5.75. Theory and application of educational research, with bibliographies.

**RESEARCH IN SPACE SCIENCE:** Special Report No. 20—L. G. Jacchia and others—*Smithsonian Astrophysical Observatory*, 46 p., illus., paper, single copies free upon request direct to publisher, Cambridge 38, Mass.

**SAFE HANDLING OF RADIOISOTOPES**—*International Atomic Energy Agency (Internat'l Pubs.)*, 99 p., paper, \$1. First publication of the agency, located in Vienna, Austria.

**THE SCIENTIFIC REVOLUTION:** Challenge and Promise—Gerald W. Elbers and Paul Duncan, Eds.—*Public Affairs Press* in coop. with President's Comm. on Scientists and Engineers, 280 p., \$6. Based on conference held at Yale, on "America's Human Resources to Meet the Scientific Challenge."

**THE SEARCH FOR TALENT**—Horace Mann Bond—*Harvard Grad. School of Educ. (Harvard Univ. Press)*, 57 p., \$1.50. The 1957 Inglis Lecture, with analysis of background of National Merit Scholarship winners.

**SEEDS AND MORE SEEDS**—Millicent E. Selsam—*Harper*, 62 p., illus. by Tomi Ungerer, \$2.50. A charmingly illustrated book for the very young about how seeds grow.

**THE SILENT LANGUAGE**—Edward T. Hall—*Doubleday*, 240 p., \$3.95. An anthropologist tells of the many ways in which people communicate with one another without the use of words.

**SOCIOLOGY TODAY:** Problems and Prospects—Robert K. Merton, Leonard Broom and Leonard S. Cottrell, Jr., Eds.—*Basic Bks.*, 623 p., \$7.50. Issued in association with the American Sociological Society.

**SOUNDS ALL AROUND US**—Tillie S. Pine and Joseph Levine—*Whittlesey House*, 47 p., illus. by Bernice Myers, \$2.50. Makes children aware of the quality of sound.

**THROUGH THE FROZEN FRONTIER:** The Exploration of Antarctica—Rear Admiral George J. Dufek—*Harcourt*, 192 p., illus., \$3.25. Popular description of Operations Deep Freeze by their commander.

**TRIGONOMETRY FOR TODAY**—Milton Brooks, A. Clyde Schock and Albert I. Oliver, Jr.—*McGraw*, 2nd ed., 102 p., \$3.60. Textbook conforming to modern curriculum revisions.

**WHAT MAKES ME TICK?**—Hyman Ruchlis—*Harvey House*, 45 p., illus. by Christopher Williams, \$2.50. Young reader learns how automobile and his body function.

**THE WONDERFUL WORLD OF THE AIR**—James Fisher—*Garden City Bks.*, 70 p., illus., \$2.95. Richly illustrated story of what air means to life, of animal flight and of man's conquest of the air. For older children.

**THE WONDERFUL WORLD OF LIFE:** The Story of Evolution—Julian Huxley—*Garden City Bks.*, 70 p., illus., \$2.95. A colorful picture book strikingly illustrating the course of evolution and the divisions of life, with factual text for teenagers—pictures for any age.

Science News Letter, March 21, 1959



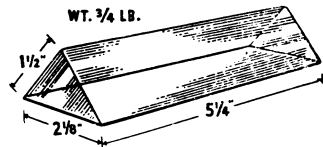
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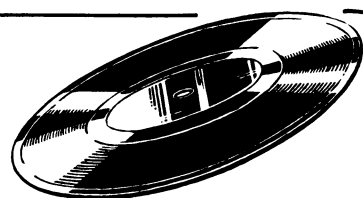


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