

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.

ABNORMAL AND PATHOLOGICAL PLANT GROWTH: Report of Symposium Held August 3 to 5, 1953—A. H. Sparrow, Chairman—*Brookhaven National Laboratory, (Office of Technical Services, Dept. of Commerce)*, 303 p., illus., paper, \$2.10. Discussion of the papers is also included.

ADVANCES IN CANCER RESEARCH: Volume II—Jesse P. Greenstein and Alexander Haddow, Eds.—*Academic*, 530 p., illus., \$11.00. Intended as an annual chronicle of progress, and as a recurring stimulus to the work ahead. Discussing especially how cancers start and some of the remedies that stop or retard their growth.

THE AIRCRAFT YEAR BOOK 1953—Fred Hamlin and others—*Lincoln Press*, 463 p., illus., \$6.00. A reference book of facts and figures of the aircraft industry, including a "Who's Who" of aviation activities.

BUILDING BETTER FROM MODULAR DRAWINGS: The Modular Method in Building Construction—William Demarest, Jr.—*Govt. Printing Office, Housing Research*, 24 p., illus., paper, 20 cents. A new method of planning, using units of 4-inch cubes called modules, three of which add up to a foot. This avoids troublesome fractions and makes it possible to put together a construction easily and without error.

ELECTROMAGNETIC THEORY—V. C. A. Ferraro—*University of London-Athlone (John de Graff)*, 555 p., \$7.00. Lectures delivered at King's College, London.

ESTIMATION OF AVAILABLE PHOSPHORUS IN SOILS BY EXTRACTION WITH SODIUM BICARBONATE—Sterling R. Olsen, C. V. Cole, Frank S. Watanabe and L. A. Dean—*Govt. Printing Office, USDA Circular No. 939*, 19 p., illus., paper, 15 cents. A new method is here described.

THE FIRST BOOK OF CONSERVATION—F. C. Smith—*Franklin Watts*, 68 p., illus., \$1.75. A book for children showing the importance to each other of all of the earth's animals and plants, and what each of us can do to help maintain or restore nature's balance.

FOREIGN EXCHANGE IN THE POSTWAR WORLD—Raymond F. Mikesell—*Twentieth Century Fund*, 658 p., \$5.00. Analyzing the currency and exchange regulations of the principal countries and regions of the world. The defense of

the free world, the author believes, depends upon the creation of a payments mechanism that will permit unrestricted trade.

GENERAL CYTOLOGY—E. D. P. De Robertis, W. W. Nowinski and Francisco A. Saez—*Saunders*, 2d ed., 456 p., illus., \$7.75. Some chapters have been completely revised to keep up with the strides made in the science. A text for medical and biology students.

GEOLOGY OF THE PILOT MOUNTAIN AREA, VIRGINIA—Richard V. Dietrich—*Virginia Polytechnic Institute*, 32 p., illus., paper, 25 cents. There are no active mines or quarries in the area, but there are potential future sources for light-weight aggregate and ceramic clay as well as for building stone and silica.

HENRI POINCARÉ, CRITIC OF CRISIS: Reflections on His Universe of Discourse—Tobias Dantzig—*Scribner's*, 149 p., \$3.00. More than a biography or an analysis of this famous physicist's trend of thought, this book is intended to give the layman an understanding of Poincaré's contribution to modern physics.

HOW TO INSTALL AND SERVICE AUTO RADIOS—Jack Darr—*Rider*, 116 p., illus., paper, \$1.80. The auto-radio technician must make his sets work with practically no antenna, in the constant presence of a strong noise field, and under very severe jarring and jolting. Here are practical hints to aid him.

INDUSTRY AT THE BARGAINING TABLE: Critical Factors in Contract Negotiation—M. J. Doohar, Ed.—*American Management Association, Personnel Series Number 156*, 52 p., paper, \$1.25. Papers presented at the Midwinter Personnel Conference of the Association.

INORGANIC QUANTITATIVE ANALYSIS—Carroll Wardlaw Griffin—*Blakiston*, 2d. ed., 417 p., illus., \$4.75. A textbook with the emphasis on thoroughness.

MANAGEMENT OF THE MIND: How to Conquer Alcohol and Other Blocks to Successful Living—Edward J. McGoldrick, Jr.—*Houghton Mifflin*, 261 p., \$3.00. Intended for those who have lost control over themselves and their world, as a guide to help them regain mastery. Growing out of the author's own problems and the solution he found for them.

NATIONAL FAMILY SURVEY OF MEDICAL COSTS AND VOLUNTARY HEALTH INSURANCE: Preliminary Report—Odin W. Anderson—*Health Information Foundation*, 80 p., paper, 25 cents. Over 87,000,000 people have some hospital insurance. Americans spend 10.2 billion dollars for personal health, and families with insurance spend twice as much as those without.

A NEW APPROACH TO OFFICE MECHANIZATION: Integrated Data Processing Through Common Language Machines—Elizabeth Marting, Ed.—*American Management Association*, 62 p., illus., paper, \$2.50. Under this plan, the five-hole punched tape is the common language link between the original recording of data and any subsequent handling. The human link is now restricted to the original recording. After that everything is automatic.

NEWER CONCEPTS OF THE CAUSES AND TREATMENT OF DIABETES MELLITUS: Proceedings of the Symposium on Diabetes Sponsored by the New York Diabetes Association and Held at Memorial Hospital and the New York Academy of Sciences, New York City, October 8, 1953—

Herbert Pollack, Chairman—*National Vitamin Foundation*, 181 p., illus., paper, \$2.50.

THE PSYCHOLOGY OF THE CRIMINAL ACT AND PUNISHMENT—Gregory Zilboorg—*Harcourt, Brace*, 141 p., \$3.50. A psychiatrist gives in these pages new insight into the attitudes, traditional outlook and difficulties of judge, jury, opposing lawyers and the psychiatric expert witnesses. He stresses the importance of treating the criminal instead of "making the punishment fit the crime."

THE RELATIONSHIPS OF OLD AND NEW WORLD MELANIANS—J. P. E. Morrison—*Smithsonian*, 38 p., illus., free upon request direct to publisher, Washington 25, D. C. Describing the strange reproductive systems of certain freshwater snails that lay their eggs with their feet. Study of these systems tends to clear up the confusion with regard to their evolution.

RIDER'S SPECIALIZED AUTO RADIO MANUAL: 1-A Ford, Lincoln, Mercury—Rider, 182 p., illus., paper, \$3.00. The first of a series of manuals providing factory-prepared service information on particular brands of radio receivers.

SERVICING TV VERTICAL AND HORIZONTAL OUTPUT SYSTEMS—Harry E. Thomas—*Rider*, 172 p., illus., paper, \$2.40. Aid for the serviceman.

A SYSTEMATIC STUDY OF THE AVIAN FAMILY FRINGILLIDAE BASED ON THE STRUCTURE OF THE SKULL—Harrison B. Tordoff—*University of Michigan Press, Miscellaneous Publications, Museum of Zoology, University of Michigan*, No. 81, 41 p., illus., paper, 75 cents. The Fringillidae are a diverse family, the sole distinguishing character of which is a strong tendency for the bill to be heavy and conical.

TRANSISTORS: Theory and Practice—Rufus P. Turner—*Gernsback*, 144 p., illus., paper, \$2.00. An elementary explanation of difficult concepts such as semiconductors and the movement of "holes."

TREASURE-DIVING HOLIDAYS—Jane and Barney Crile—*Viking*, 263 p., illus., \$3.95. The adventures of a family whose playground was the ocean's floor, where many treasures were hunted, from abalones to wrecks of sunken ships.

TV FIELD SERVICE MANUAL, Vol. 1—Harold Alsberg, Ed.—*Rider*, 119 p., illus., paper, \$2.10. To aid the technician in locating trouble quickly.

TWO SILICIFIED CARBONIFEROUS TRILOBITES FROM WEST TEXAS—Harry B. Whittington—*Smithsonian*, 16 p., 3 plates, paper, 35 cents. Based on a collection at the U. S. National Museum.

THE WASHO ROAD TEST: Part 1: Design, Construction and Testing Procedures—Fred Burggraf and W. J. Miller, Eds.—*Highway Research Board, Special Report 18*, 121 p., illus., paper, \$2.25. The first of two final reports on a study of special pavement sections under selected heavy axle loads. The test road is incorporated in a new highway two miles north of the Idaho-Utah border.

WESTERN BIRD SONGS: The Voices of 10 Familiar Songbirds of Western North America, Recorded in Their Native Habitats—William R. Fish—*Cornell University Records*. Two sides of one 10-inch record, 78 rpm, \$2.50. Produced by a talented amateur ornithologist for the Albert R. Brand Bird Song Foundation.

WHAT TO DO ABOUT DERMATITIS—William A. Sawyer—*International Association of Machinists*, 26 p., paper, 15 cents. This booklet is sponsored by the IAM in the hope that it may reduce the suffering and economic loss caused by this inflammation, often occupational in origin.

Science News Letter, May 22, 1954

GOLF: Your LEFT SHOULDER makes the amazing difference!

One of the most startling discoveries to emerge from wide research in the golf swing is that your game literally hinges on your left shoulder!

How this is so and how to use this great discovery to improve your own game beyond all expectation in a matter of short weeks is set forth in **THE GOLF SECRET** by Dr. H. A. Murray—a medical doctor, golfer, and golf researcher, who has applied his expert knowledge of anatomy in this sweeping and utterly different study of the golf swing.

His method has now been tested on a large scale and been found to yield simply astounding results! Not only do golf scores take a sudden drop, but with the new method good golf is a hundred times easier than bad—because it is **NATURAL** (not strained) golf.

You may find out "the golf secret" for yourself, without risk. See below.

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