

Books of the Week

TO SERVE YOU: To get books, send us a check or money order to cover retail price. Address Book Dept., SCIENCE NEWSLETTER, 1719 N St., N. W., Washington 6, D. C. Ask for free publication direct from issuing organizations.

BASIC SCIENCE—J. Darrell Barnard and Lon Edwards—*Macmillan*, 631 p., illus., \$3.40. A textbook for high schools.

FACTS ABOUT THE MENOPAUSE—Maxine Davis—*McGraw-Hill*, 172 p., \$2.50. Intended to dispel many old fashioned superstitions and fears.

FIELD THEORY IN SOCIAL SCIENCE: Selected Theoretical Papers—Kurt Lewin—*Harper*, 346 p., illus., \$5.00. Edited by Dorwin Cartwright. A collection of Lewin's papers posthumously selected to clarify the contribution made by him to psychology.

HOW TO EXPAND AND IMPROVE YOUR HOME: The Complete, Step-by-Step Illustrated Guide for Expanding, Altering and Modernizing Your Home—Lee Frankl—*Simmons-Boardman*, 245 p., illus., \$5.95.

HOW TO GROW VEGETABLES: The Complete Garden Guide to Planning, Growing, Preserving and Storing Vegetables, Fruits and Berries—Lloyd C. Cosper and Harry B. Logan—*Duell*, 263 p., illus., \$3.50. A timely aid to the home gardener, beautifully illustrated and conveniently arranged.

AN INTRODUCTION TO THE ANATOMY OF SEED PLANTS—Ernest L. Stover—*Heath*, 274 p., illus., \$4.00. How leaves, stems, and roots develop from the fertilized egg.

AN INTRODUCTION TO THE STUDY OF VIRUSES—Kenneth M. Smith—*Pitman*, 106 p., illus., \$2.50. Bringing together information on plant and animal viruses and bacteriophages.

JAMES LIND: Founder of Nautical Medicine—Louis H. Roddis—*Schuman*, 177 p., illus., \$3.00. The biography of a Scottish naval surgeon of the 18th century.

LICHENS OF THE STATE OF WASHINGTON—Grace E. Howard—*University of Washington Press*, 191 p., illus., paper, \$3.00. Covers 335 of the commoner species.

MANUAL OF THE GRASSES OF THE UNITED STATES—A. S. Hitchcock—*Gov't. Printing Office*, U. S. Dept. of Ag. Misc. Publ. No. 200, 2nd ed., 1051 p., illus., \$3.00. A botanical reference book. Second edition revised by Agnes Chase.

MICROBIOLOGY: General and Applied—William Bowen Sarles and others—*Harper*, 493 p., illus., \$4.50. A college text for a first course in bacteriology.

MY SIX CONVICTS: A Psychologist's Three Years in Fort Leavenworth—Donald Powell Wilson—*Rinehart*, 369 p., \$3.50. Reminiscences of three years of research on drug-addiction and criminality in a federal penitentiary.

NASAL SINUSES: An Anatomic and Clinical Consideration—O. E. Van Alyea—*Williams and Wilkins*, 2nd ed., 327 p., illus., \$9.00. Intended for practitioners and specialists.

PAUL EHRLICH—Martha Marquardt—*Schuman*, 255 p., illus., \$3.50. Written by Dr. Ehrlich's former secretary.

PLANS OF FARM BUILDINGS FOR NORTHEASTERN STATES—Bureau of Plant Industry and others—*Gov't. Printing Office*, U. S. Dept. of Ag. Misc. Publ. No. 278, 126 p., illus., paper, \$1.00.

PRACTICAL CERAMICS—Mildred G. Bell—*Bell* (Distributed by Pitman), 53 p., illus., paper, \$1.50. To help you make your own dishes and novelties.

PRIMER ON FRACTURES—Kellogg Speed, Chairman Special Exhibit Committee on Fractures of the AMA, 1951—*Hoebner*, 6th ed., 109 p., illus., \$2.00. Of value to first aid workers.

REPORT OF THE CHIEF OF THE BUREAU OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY, AGRICULTURAL RESEARCH ADMINISTRATION, 1950—G. E. Hilbert, Chief—*Gov't. Printing Office*, 111 p., paper, 30 cents.

REPORT OF THE CHIEF OF THE BUREAU OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, AGRICULTURAL RESEARCH ADMINISTRATION, 1950—Robert M. Salter, Chief—135 p., 30 cents.

RETURN TO LIFE—Lily MacLeod—*Lippincott*, 128 p., \$2.00. The personal narrative of a woman who had cancer and recovered.

SCIENCE AND COMMON SENSE—James B. Conant—*Yale University Press*, 371 p., illus., \$4.00. Explains the methods of science through a historical approach.

STRATIGRAPHY AND SEDIMENTATION—W. C. Krumbein and L. L. Sloss—*Freeman*, 497 p., illus., \$5.00. A college text.

SURGERY OF CATARACT—Daniel B. Kirby—*Lippincott*, 695 p., illus., \$30.00. Representing the training and lifetime experience of an eye surgeon. Well illustrated with black and white figures and colored plates.

TELEVISION AND FM ANTENNA GUIDE—Edward M. Noll and Matthew Mandl—*Macmillan*, 311 p., illus., \$5.50. An antenna textbook and practical guide to the many antenna problems encountered by television technicians.

WATER, LAND, AND PEOPLE—Bernard Frank and Anthony Netboy—*Knopf*, 331 p., illus., \$4.00. The author reviews our mounting water troubles and suggests some solutions.

THE WORLD OF SCIENCE—F. Sherwood Taylor—*Norton*, 2nd ed., 1064 p., illus., \$7.50. An encyclopedic volume containing the basic theories in chemistry, physics and biology.

Science News Letter, February 24, 1951

MEDICINE

Majority of Heart Patients Employable

➤ THE MAJORITY of patients with heart disease "are employable and may be placed in jobs for which an experienced physician

believes them suited," Rome A. Betts, executive director of the American Heart Association, declared.

Mr. Betts spoke as guest of Watson Davis, director of Science Service, on ADVENTURES IN SCIENCE, radio program presented under the auspices of Science Service over the Columbia Broadcasting System.

The American Heart Association, through its rehabilitation programs, is helping heart disease sufferers become productive, self-supporting members of society, able to help turn out materials for defense or to release workers from other jobs for defense work.

Science News Letter, February 24, 1951

AERONAUTICS

High-Lift Airplane Lands On Short Runway

➤ HIGH-LIFT airplane, on which a patent was issued by the government this week, requires an unusually short runway which makes it usable in areas where space for ordinary landing strips is not available.

It is a plane adapted for military liaison and rescue operations in advanced areas but seems suitable for flying farmers and other private fliers for whom conventional airports are often not available. Patent 2,541,704 was awarded to Otto C. Koppen, Wellesley, Mass. Patent rights are assigned to Helio Aircraft Corporation, Canton, Mass.

For a safe take-off or landing with this plane, a strip from 400 to 600 feet long is required between 50-foot obstructions at either end, and an actual runway at the center of the strip 200 feet long. The plane is capable of acquiring take-off speed in about half this latter distance.

It is a single-propeller plane, with propeller larger than the usual employed on planes of the size. Working with it to provide quick take-off and slow-speed landing are devices mounted on the fixed wings, including leading edge slats and trailing edge flaps.

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Sheep may become infected with rabbit fever, *tularemia*.

Defects in logs and heavy timbers can be detected with X-rays.

Vessels equipped with radar can detect obstacles as close as 80 yards.

Menhaden, America's number one fish in volume of production, is seldom used as food; it is used almost exclusively in the manufacture of oils, meals and fish solubles.

Valuable deposits of what are called rare earth minerals have been newly discovered in southern California; included are deposits of cerium, lanthanum, neodymium and praseodymium.