

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.

ANTIBIOTICS AND ANTIBIOTIC THERAPY: A Clinical Manual—Allen E. Hussar and Howard L. Holley—*Macmillan*, 475 p., \$6.00. A systematic review of antibiotics written to serve as a practical clinical guide for the proper use of antibiotic agents.

ASSURING THE COMPANY'S FUTURE TODAY: Corporate Management in a Dynamic Economy—M. R. Sullivan and others—*American Management Association*, General Management Series No. 175, 72 p., paper, \$1.75. Examining various aspects of company survival and growth in an expanding economy.

ATOMS TODAY & TOMORROW—Margaret O. Hyde—*Whittlesey House*, 143 p., illus., \$2.50. In simple language the author demonstrates what atomic energy is, how it is being used today and what we can expect in the near future.

CHICKENS AND HOW TO RAISE THEM—Louis Darling—*Morrow*, 63 p., illus., \$2.00. To introduce children to an interesting and profit-making hobby.

CLASS AND SOCIETY—Kurt B. Mayer—*Double-day*, 88 p., paper, 95 cents. The author views class as a multidimensional component of the social order.

DIAGNOSES OF CHILDREN SERVED IN THE CRIPPLED CHILDREN'S PROGRAM 1952—Sadie Saffian and Margaret F. McKiever—*U. S. Dept. of Health, Education, and Welfare*, Children's Bureau Statistical Series No. 25, 30 p., illus., paper, free upon request to publisher, Washington 25, D. C. More than 238,000 children were served by state crippled children's programs in 1952.

DYNAMICAL THEORY OF CRYSTAL LATTICES—Max Born and Kun Huang—*Oxford University Press*, 420 p., illus., \$8.00. In the preface Nobelist Max Born states that he started "from the most general principles of quantum theory" and derived "the structures and properties of crystals" and that Huang's main contribution was the "extension of the theory of elasticity of lattices to finite strains."

EDUCATIONAL LEAVE IN THE PUBLIC CHILD WELFARE PROGRAM 1953—Children's Bureau—*U. S. Dept. of Health, Education and Welfare*, Children's Bureau Statistical Series No. 26, 9 p., paper, free upon request to publisher, Washington 25, D. C. This report shows that more than nine out of every 10 persons on leave came

back to work with the agency which had granted the leave.

ELECTROLYTE SOLUTIONS: The Measurement and Interpretation of Conductance, Chemical Potential and Diffusion in Solutions of Simple Electrolytes—R. A. Robinson and R. H. Stokes—*Academic*, 512 p., illus., \$9.50. For the practical electrochemist.

ELECTROLYTIC REGENERATION OF SPENT PICKLING SOLUTIONS—Henry C. Bramer and James Coull—*Mellon Institute*, 4 p., illus., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. A proposed process for the electrolytic regeneration of spent sulfate pickling solutions.

FAMOUS INVENTORS AND THEIR INVENTIONS—Fletcher Pratt—*Random House*, 142 p., illus., \$2.75. Telling for young people the story behind many famous inventions.

FAMOUS SCIENTIFIC EXPEDITIONS—Raymond Holden—*Random House*, 144 p., illus., \$2.75. Stories of scientific adventure for young people.

GEOGRAPHY OF THE NORTHLANDS—George H. T. Kimble and Dorothy Good, Eds.—*American Geographical Society and Wiley*, 534 p., illus., \$10.50. With the growing importance of the Arctic in the present world, geographical knowledge becomes vital. This book provides a detailed review of current knowledge and points out the nature of relationships between man and the lands and resources of high latitudes.

A HISTORY OF DERMATOLOGY IN PHILADELPHIA: Including a Biography of Louis A. Duhring, M.D., Father of Dermatology in Philadelphia—Reuben Friedman—*Froben Press*, 556 p., illus., \$10.00. Philadelphia has played an important role in the history of dermatology in America.

HUMBOLDT: The Life and Times of Alexander Von Humboldt 1769-1859—Helmut de Terra—*Knopf*, 386 p., illus., \$5.75. The biography of a scientist of an earlier day by a leading anthropologist of today.

INSANITY, ART, AND CULTURE—Francis Reitman—*Philosophical Library*, 111 p., illus., \$3.75. Dealing with the diagnostic value of artistic creations of the mentally ill.

THE LIFE OF BACTERIA: Their Growth, Metabolism, and Relationships—Kenneth V. Thimann—*Macmillan*, 775 p., illus., \$13.50. Written as a text for an advanced course and assuming previous knowledge of organic chemistry.

MAKING THE MOST OF MARRIAGE—Paul H. Landis—*Appleton-Century-Crofts*, 542 p., illus., \$5.50. Viewing marriage as a multitude of situations and relationships requiring more or less continuous adjustment.

THE MARGARET SANGER STORY: And the Fight for Birth Control—Lawrence Lader—*Doubleday*, 352 p., illus., \$4.00. Telling of a woman's crusade for planned parenthood and the prevention of unwanted conception.

MEN AND PLANES: Volume Six of The Army Air Forces in World War II—Wesley Frank Craven and James Lea Cate, Eds.—*University of Chicago Press*, 808 p., illus., \$8.50. This volume deals, not with combat activities, but with the development of an effective air organization, the creating of weapons and the training of men.

MODERN MEDICINE ANNUAL 1955—Walter C. Alvarez, Ed.—*Modern Medicine*, 1636 p., illus., \$7.50. Articles that appeared in *Modern Medicine* during 1954.

NEUROLOGY—S. A. Kinnier Wilson, edited by A. Ninian Bruce—*Williams and Wilkins*, 2nd ed., 3 vols., 2060 p., illus., \$37.50. Improved methods of diagnosis and the recognition of conditions previously confused with serious neurological diseases made complete revision necessary.

ONE MAN IN HIS TIME—N. M. Borodin—*Macmillan*, 344 p., \$4.50. The autobiography of a Russian microbiologist who in 1948 renounced his Soviet citizenship. It was written to let people know what life is like in Russia.

PAINTING RAILROAD BRIDGES—Joseph Bigos—*Mellon Institute*, 21 p., illus., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Some of the techniques used in painting bridges and some developments in paint testing.

THE PSYCHOLOGY OF THOUGHT AND JUDGMENT—Donald M. Johnson—*Harper*, 515 p., illus., \$6.00. An attempt to systematize an ill-defined area of psychology.

SOCIAL ANTHROPOLOGY OF NORTH AMERICAN TRIBES—Fred Eggan, Ed.—*University of Chicago Press*, 2nd ed., 574 p., \$7.00. Enlarging on the first edition published in 1937.

SOFT-BILLED BIRDS—Carl Naether—*All-Pets*, 64 p., illus., \$3.50. Giving practical information for persons who wish to house, feed or even breed birds that eat insects.

SOLUBILIZATION: And Related Phenomena—Mary Evelyn Laing McBain and Eric Hutchinson—*Academic*, 259 p., illus., \$7.00. Dealing with the fundamental principles of solubilization.

SURVEY REPORT OF ORGANIZATIONS AIDING INVENTORS—James J. Bartlett—*B & B Research Publications*, 7 p., paper, \$1.00. Directory of 54 organizations functioning in the field of invention development and commercialization, compiled from a comprehensive research survey of the United States and Canada.

SYMPOSIUM ON NUTRITIONAL ASPECTS OF BLOOD FORMATION: Proceedings of the Nutrition Symposium held at the University of Cincinnati, College of Medicine, Cincinnati, Ohio, Oct. 22, 1954—G. E. Cartwright and others—*National Vitamin Foundation*, 74 p., illus., paper, \$2.50.

TEXTBOOK OF THE RHEUMATIC DISEASES—W. S. C. Copeman, Ed.—*Livingstone (Williams and Wilkins)*, 2nd ed., 754 p., illus., \$11.00. Discovery of the action of Cortisone, Hydrocortisone and ACTH on certain forms of rheumatic diseases has made necessary the rewriting of much of this volume.

THEORY OF CORROSION AND PREVENTION OF PAINT FAILURES—Joseph Digos—*Mellon Institute*, 19 p., illus., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Discussing the theory of corrosion of structural steel, the action of paint in preventing corrosion, and the causes and prevention of paint failures.

TRANSFORM CALCULUS: With an Introduction to Complex Variables—E. J. Scott—*Harper*, 330 p., illus., \$7.50. Intended mainly for engineers and those interested in the application of mathematics, this text emphasizes the solution of physical problems.

Science News Letter, April 16, 1955

A dragonfly can use its feet for perching on a limb but its legs are quite useless for walking.

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