

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.

ANNUALS—Ann Roe Robbins—*Rinehart*, 95 p., illus., \$1.50. The annuals include a wide variety of flowers of all colors and descriptions which you can raise from packets of seeds from the corner store.

AUTOMOBILE PARKING IN THE UNITED STATES: Selected References, 1946-1952—*National Academy of Sciences—National Research Council, Highway Research Board Bibliography 14*, publication 297, 119 p., paper, \$1.35.

THE BCSO REVIEW OF SCIENCE IN U.S.A. FOR THE YEAR ENDING JUNE 1953—*Her Majesty's Stationery Office* (British Information Services), 44 p., illus., paper, 50 cents. The sixth of a series of annual reviews prepared by the British Commonwealth Scientific Office, but the second to be published.

BIBLIOGRAPHY OF NORTH AMERICAN MINOR NATURAL HISTORY SERIALS IN THE UNIVERSITY OF MICHIGAN LIBRARIES—Margaret Hanselman Underwood—*University of Michigan Press*, 197 p., paper, \$1.75. Arranged by title and also by place of publication.

BUILDING UP THE SUPERVISOR'S JOB: With a Paper on Line Management's Responsibility for Human Relations—M. J. Dooher, Ed.—*American Management Association*, 35 p., paper, \$1.25. Discussing what it will take to make the foreman a true part of management.

BUYING WOMEN'S COATS AND SUITS—Clarice L. Scott—*Govt. Printing Office, USDA Home and Garden Bulletin No. 31*, 23 p., illus., paper, 15 cents. What to look for and what to avoid so as to get your money's worth and becoming styles.

DIMENSIONAL METHODS AND THEIR APPLICATIONS—C. M. Focken with a foreword by H. Dingle—*Edward Arnold (St. Martin's)* 224 p., \$6.00. Aimed at bringing about a larger measure of agreement in this controversial subject.

A DOCTOR TALKS TO WOMEN: What They Should Know About the Normal Functions and Common Disorders of the Female Organs—Samuel Raynor Meaker—*Simon and Schuster*, 231 p., illus., \$3.95. Intended to aid the physician in answering the questions of, and making explanations to, his women patients.

EDUCATIONAL PSYCHOLOGY—Lee J. Cronbach—*Harcourt Brace*, 628 p., illus., \$7.50. Attempting to bring psychological principles to teachers in such a way that they can perform their tasks more intelligently.

MATH IS FUN

By Joseph Degrazia, Ph.D.

Here is a treasury of brain-teasers. You need not be a mathematical genius to solve these problems and puzzles. What you need is to know how to THINK LOGICALLY—how to REASON. This is practically a "course" in applied logic and reasoning—besides being an immense amount of fun that will keep you absorbed for many hours. You will find not only that MATH IS FUN, but also that learning math can be fun!

CONTENTS: Trifles—On the Borderline of Mathematics—Faded Documents—Cryptograms—How Old Are Mary and Ann?—Wolf, Goat and Cabbage—and Other Odd Coincidences—Clock Puzzles—Trouble Resulting from the Last Will and Testament—Speed Puzzles—Railroad Shunting Problems—Agricultural Problems—Shopping Puzzles—Whimsical Numbers—Playing with Squares—Miscellaneous Problems—Problems of Arrangement—Problems and Games—Solutions. *Many delightful and helpful illustrations*

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ESSAYS IN SCIENCE—Albert Einstein—*Philosophical Library*, abridged ed., 114 p., \$2.75. An authorized English translation of the author's "Mein Weltbild" omitting his essays on Judaism, Germany, politics and pacifism and leaving only those devoted to science.

ESSENTIALS OF EFFECTIVE PERSONNEL ADMINISTRATION: Case Studies of Successful Company Experience—Paul Pigors and Charles A. Myers, panel chairmen—*American Management Association*, 51 p., paper, \$1.25. An attempt to "take stock."

EUGENICS QUARTERLY: Volume 1, No. 1—Helen G. Hammons, Managing Editor—*American Eugenics Society*, 80 p., illus., paper, \$3.00 per year. Replacing the Eugenic News as official organ of the Society.

EVERGREENS—L. L. Kumlén—*Rinehart*, 91 p., illus., \$1.50. A book for home owners on the trees and shrubs that often decorate his yard.

FIRST YEAR COLLEGE PHYSICS—Clarence E. Bennett—*Ronald*, 526 p., illus., \$6.00. Concentrating on the basic concepts and their relations without introducing too much mathematics.

A HISTORY OF THE THEORIES OF AETHER AND ELECTRICITY: The Modern Theories 1900-1926—Sir Edmund Whittaker—*Philosophical Library*, 319 p., \$8.75. The purpose of this volume is to describe the revolution in physics which took place in the first quarter of the twentieth century, including the discoveries of relativity, quantum theory, matrix mechanics and wave mechanics.

LAWNS—John D. Bernard—*Rinehart*, 94 p., illus., \$1.50. How to start a lawn, how to care for one that is established and how to repair it when the grass "doesn't even make the effort to grow."

THE MECHANISM OF INFLAMMATION: An International Symposium—G. Jasmin and A. Robert, Eds.—*Acta*, 308 p., illus., \$8.84. Papers given at the first international symposium on this subject, presenting the views of contemporary authorities.

MOTIVATION: The Core of Management—Rensis Likert and others—*American Management Association*, 44 p., paper, \$1.25. People, it is concluded, seek to achieve a sense of importance from doing difficult but important tasks that help to implement goals which they and their friends seek.

OPTICAL INSTRUMENTATION—George S. Monk

and W. H. McCorkle, Eds.—*McGraw-Hill*, 262 p., illus., \$3.75. This volume is one of a series prepared as a record of the research done under the Manhattan Project.

PROFESSIONAL NURSING: Trends and Relationships—Eugenia Kennedy Spalding—*Lippincott*, 5th ed., 636 p., illus., \$5.00. To give the student nurse an awareness of professional problems and attitudes.

PROGRESS IN THE CHEMISTRY OF FATS AND OTHER LIPIDS: Volume 2—R. T. Holman, W. O. Lundberg and T. Malkin, Eds.—*Academic Press*, 347 p., illus., \$9.80. Digests of recent advances contributed by specialists in the field.

Roses—Roy E. Shepherd—*Rinehart*, 96 p., illus., \$1.50. Telling how to grow that old and most satisfying favorite, and introducing the hobby of collecting old roses no longer on the "hit-of-the-week" list.

THE SCIENCE BOOK OF WONDER DRUGS—Donald G. Cooley—*Pocket Books*, 247 p., illus., paper, 35 cents. A medical reporter tells of the new drugs which, he says, have added ten years to our life expectancy since 1935.

SILICIFIED MIDDLE ORDOVICIAN TRILOBITES—H. B. Whittington and W. R. Evitt, II—*Geological Society of America*, 137 p., illus., \$3.00. Sixteen species of trilobites, 15 of them new, are described. They are from the limestones of Virginia and the undistorted exoskeletons are preserved as a thin layer, or layers, of granular quartz.

SMALL FRUITS—Ralph E. Barker—*Rinehart*, 90 p., illus., \$1.50. Devoted to all the berries and also grapes. Whatever the size of your place, you can make a place on it for berries, the author says.

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THE SPONGES OF THE WEST-CENTRAL PACIFIC—M. W. de Laubenfels—*Oregon State College*, 320 p., XII plates, paper, \$4.00. Based mainly on collections by the author; only shallow water sponges are included.

STEPPING UP OFFICE EFFICIENCY: Organization, Cost Control, Standards—J. McCall Hughes and others—*American Management Association*, 45 p., paper, \$1.25.

THE STORY OF OUR TIME: Encyclopedia Year Book 1954—Marian Lockwood, Ed.—*Grolier Society*, 431 p., illus., \$4.95. A review of the exciting events of the past year. The Science Highlights are contributed by Watson Davis, director of Science Service.

SYMPOSIUM ON DIESEL LOCOMOTIVE ENGINE MAINTENANCE: Including Spectrographic Analysis of Lubricating Oils, Filtering and Filtering Media, Cooling Water Treatment, Railroad Applications of the Electron Microscope—*American Locomotive Company*, 146 p., illus., paper, free upon request to Public Relations Department, Association of American Railroads, Transportation Building, Washington 6, D. C.

TABLES OF INTEGRAL TRANSFORMS: Volume I—Based in part on notes left by Harry Bateman and compiled by the Staff of the Bateman Manuscript Project—*McGraw-Hill*, 391 p., \$7.50. The authors concentrated mostly on integrals involving higher transcendental functions, listing no double integrals.

THIRD ANNUAL REPORT ON STRESS—Hans Selye and Alexander Horava—*Acta*, 637 p., illus., \$10.34. To serve as a guide to the entire literature on stress as it is published in different languages and in journals devoted to other specialties.

A THOUSAND GEESE—Peter Scott and James Fisher—*Houghton Mifflin*, 240 p., illus., \$4.00. The story of what was literally a wild goose chase, the hunt for the breeding ground in the frozen north of the pinkfoot goose. Beautifully illustrated.

THE TRUE BOOK OF MOON, SUN, AND STARS—John Lewellen—*Childrens Press*, 46 p., illus., \$2.00. Astronomy for the primer set illustrated by amusing drawings by Lois Fisher.

THE TRUE BOOK OF PEBBLES AND SHELLS—Illa Podendorf—*Childrens Press*, 47 p., illus., \$2.00. Very young potential scientists and also their elders can learn from this beginning reader with its charming illustrations.

THE TRUE BOOK OF PETS—Illa Podendorf—*Childrens Press*, 46 p., illus., \$2.00. Telling primary children how to care for their pets and what they can learn from them.

THE UTILIZATION OF SCIENTIFIC AND PROFESSIONAL MANPOWER: Proceedings of a Conference held October 7-11, 1953, at Arden House Harriman Campus of Columbia University—James D. Zellerbach, Chairman—*Colum-*

bia University Press, 197 p., \$3.50. In a previous book, the National Manpower Council pointed out that highly trained personnel are not being utilized as effectively as they should be. This book resulted from an attempt to meet this problem. (See p. 2.13.)

VEGETABLES—Jack M. Swartout—*Rinehart*, 92 p., illus., \$1.50. To inform and encourage the person with a small plot of ground who wants to grow some fresh food for his table, but doesn't know how.

Science News Letter, April 3, 1954

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