

Books of the Week

For the editorial information of our readers, books received for review 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.

ABC SCIENCE SERIES: Book 5—Willard J. Jacobson and Cecilia J. Lauby—*Am. Book*, 346 p., illus., \$2.92. One of a new series of six elementary science textbooks designed to build up and deepen the interest in and understanding of the six major science areas by stressing experimenting and scientific attitude.

ANNOTATED BIBLIOGRAPHY OF STRONTIUM AND CALCIUM METABOLISM IN MAN AND ANIMALS—R. H. Wasserman and C. L. Comar—*USDA (GPO)*, 135 p., paper, 65¢. Reference source of pertinent published material, classified by major category, with subject and author index.

THE BIRDS AROUND US—Henry Hill Collins, Jr.—*Dial Press*, 63 p., illus. by Vaike Low, \$2.50. Adaptation of the Coronet Instructional Films, *Birds of the Dooryard and Birds of the Countryside*, for young readers.

CHEMISTRY: A First Course in Modern Chemistry—Alfred B. Garrett, John S. Richardson and Arthur S. Kiefer—*Ginn*, 726 p., illus., \$5.60. Introductory college text.

THE CONQUEST OF TENSION—Richard H. Hoffmann, M.D., and A. W. Pezet, introd. by William L. Laurence—*Holt, Rinehart & Winston*, 207 p., \$3.95. Neuropsychologist analyzes tension as it develops before birth, through infancy, childhood and adolescence, and discusses medical causes of tension.

CULTURE, SOCIETY AND HEALTH—Vera Rubin, Ed.—*N.Y. Acad. of Sciences, Annals*, Vol. 84, Art. 17, 277 p., paper, \$3.50. Proceedings of

conference organized to promote the integration of medical and social science findings toward increased understanding of the sociocultural factors in chronic organic disease and in mental illness.

ELECTRICAL PRECIPITATION 1959-1960: Seminar Proceedings—Ralph E. Armington, Chmn.—*Pa. State Univ., College of Eng.*, 169 p., illus., paper, \$7.50. Papers presented at the Engineering Seminars on Electrical Precipitation, June 1959, and June, 1960, at the Pennsylvania State University.

EXCELLENCE: Can We Be Equal and Excellent too?—John W. Gardner—*Harper*, 171 p., \$3.95. Thoughtful discussion of the reasons for the lack of high standards of performance in too many areas of American life, and what can be done to encourage excellence.

GREAT AMERICAN SCIENTISTS: America's Rise to the Forefront of World Science—Editors of *FORTUNE*—*Prentice-Hall*, 144 p., \$3.50; paper, \$1.95. Contributions and biographies of forty American physicists, chemists, astronomers and biologists.

A GUIDE TO PRODUCTION, CARE AND USE OF LABORATORY ANIMALS: An Annotated Bibliography—Jules S. Cass, Irene R. Campbell and Lilli Lange—*Fed. of Am. Soc. for Experimental Biology, Federation Proceedings*, Vol. 19, No. 4, Part III, Supplement No. 6, 196 p., paper, \$5. Compilation of references that deal with the procurement, production, care and use of laboratory animals.

HOMOLOGY THEORY: An Introduction to Algebraic Topology—P. J. Hilton and S. Wylie—*Cambridge Univ. Press*, 484 p., \$14.50. Suitable both as text for senior or post-graduate courses, and as handbook for mathematicians in other branches.

HOW TO USE ALGEBRA IN EVERYDAY LIFE—Fred Reinfeld, Ed.—*Sterling*, 253 p., illus., \$3.95. Tries to make clear to the young student and general reader the mathematics underlying mechanical devices and scientific developments in the news.

INTEGRAL QUADRATIC FORMS—G. L. Watson—*Cambridge Univ. Press*, 143 p., \$5. Gives "modern, but fairly elementary," account of the

theory of quadratic forms with integral coefficients and variables.

THE LIFE AND DEATH OF CELLS—Joseph G. Hoffman—*Doubleday*, 354 p., illus., paper, 95¢. First printed in 1957, this book describes the living process as it is seen in the microscopic realm of tissue cells from the point of view of a physicist.

MATERIALS RESEARCH & STANDARDS, Vol. I, No. 1—Raymond E. Hess, Ed.—*Am. Soc. for Testing Materials*, 80 p., illus., paper, 75¢; monthly; \$5 annually. Formerly published as *ASTM BULLETIN* from 1921 through 1960.

MESSAGES FROM SPACE—Clive E. Davis—*Dodd*, 95 p., photographs, \$2.75. Describes and explains in layman's language the methods used to get back information from sounding rockets and satellites.

THE MISREPRESENTATION OF ARTHRITIS DRUGS AND DEVICES IN THE UNITED STATES: Report—Ruth Walrad—*Arthritis & Rheumatism Foundation*, 168 p., \$3.50. Results of a national survey of misrepresented arthritis products which amount to a quarter-of-a-billion-dollar "take" by quack promoters.

MULTIVIBRATOR CIRCUITS: Introduction to Robot Technique—A. H. Bruinsma, transl. from German by E. Harker—*Macmillan*, 65 p., illus. \$2. Gives insight into the theory and describes circuits in general terms.

THE ORIGIN OF SPECIES BY MEANS OF NATURAL SELECTION or the Preservation of Favored Races in the Struggle for Life—Charles Darwin—*Doubleday*, 517 p., paper, 95¢. First published in 1859.

POSITIVE HEALTH OF OLDER PEOPLE—Betsy Marden Silverman, Ed.—*National Health Council*, 131 p., paper, \$2.25. Quotes authorities who spoke at the 1960 Health Forum, with practical suggestions for action by individuals, industry, the health professions and government.

PRACTICAL ROBOT CIRCUITS: Electronic Sensory Organs and Nerve Systems—A. H. Bruinsma, transl. from German by E. Harker—*Macmillan*, 2nd rev. ed., 125 p., illus., \$3.95. Describes in detail the intricate structure of two robot systems developed as demonstration models, one to correspond to sensory organs, the other capable of simple electronic "reasoning."

PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON COLD ACCLIMATION, Instituto Antartico Argentino, Buenos Aires, 1959—Robert E. Smith, Ed.—*Fed. of Am. Soc. for Experimental Biology, Supplement No. 5, Part II*, 165 p., illus., paper, \$5. Papers and discussions on man in a cold environment, thermogenesis in the acclimated animal, and on intermediary metabolism.

SUMMERHILL: A Radical Approach to Child Rearing—A. S. Neill, foreword by Erich Fromm—*Hart Pub. Co.*, 392 p., \$5.75. The founder of Summerhill School in Scotland describes the methods used and their effects on the children, ranging in ages from five to 16.

SYMPOSIA ISSUE: Federation Proceedings, Vol. 19, No. 4, Part I—Edward E. Evarts and others—*Fed. of Am. Soc. for Experimental Biology*, 235 p., illus., paper, \$4. Symposia on animal behavior and neurophysiological correlates, gastroenterology, biochemical genetics, metabolic patterns, and new aspects of nutrition uncovered in studies with irradiated foods.

• Science News Letter, 79:52 February 11, 1961

Get UNITRON's FREE
Observer's Guide and Catalog on
ASTRONOMICAL TELESCOPES

This valuable 38-page book
is yours for the asking!

With artificial satellites already launched and space travel almost a reality, astronomy has become today's fastest growing hobby. Exploring the skies with a telescope is a relaxing diversion for father and son alike. UNITRON's handbook contains full-page illustrated articles on astronomy, observing, telescopes and accessories. It is of interest to both beginners and advanced amateurs.

Contents include—

- Observing the sun, moon, planets and wonders of the sky
- Constellation map
- Hints for observers
- Glossary of telescope terms
- How to choose a telescope
- Amateur clubs and research programs



UNITRON
INSTRUMENT COMPANY • TELESCOPE SALES DIV.
66 NEEDHAM ST., NEWTON HIGHLANDS 61, MASS.

Please rush to me free of charge UNITRON'S new Observer's Guide & Telescope Catalog. 5-L-2

Name

Street

City..... State.....

Looking for a
PUBLISHER?

Your book can be published, promoted, distributed by successful, reliable company noted for prompt, personal service. All subjects. Free Editorial Report. Inquiries also invited from businesses, organizations, churches, etc. Send for Free Booklet. Vantage Press, Dept. T8, 120 W. 31, New York 1.

PRECIOUS STONES
A POCKET COMPENDIUM
on precious stones made in Germany

A collection of 30 genuine semi-polished stones from all over the world. Containing synoptical table of names, hardness, specific gravities, refractive index, crystal forms, chemical formulas, places of origin and of BIRTH STONES.

We guarantee this beautiful compendium of 30 genuine gemstones as the most wonderful to be seen, AT ANY PRICE!—or your money refunded. It MUST be handled to be appreciated. 5 1/2" x 4" booklet form with 30 stones.

only \$4.95 postpaid

HARRY ROSS Scientific & Lab. Apparatus
61-L Reade St., N. Y. 7, N. Y.

A MANUAL OF COMMON BEETLES OF EASTERN NORTH AMERICA

NEW. 896 pp. \$9.25. Contains complete directions for a fascinating hobby.

Write for brochure.

ROW, PETERSON and COMPANY
Dept. T Evanston, Illinois