

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.

THE ADVANCEMENT OF SCIENCE: Vol. X, No. 38—Sir Edward Appleton and others—*British Association for the Advancement of Science*, 143 p., illus., paper, 7s. 6d. Contains addresses delivered at the annual meeting of the British Association in Liverpool in 1953.

AUGUSTINE TO GALILEO: The History of Science A. D. 400-1650 — A. C. Crombie — *Harvard University Press*, 436 p., illus., \$8.00. Presenting a short history of the science during the period that connects the classical with the modern world.

AVIATION FACTS AND FIGURES 1953—Rudolf Modley and Thomas J. Cawley, Eds.—*Lincoln Press*, 224 p., \$5.00. A statistical yearbook of the Aircraft Industries Association.

CULTURAL PATTERNS AND TECHNICAL CHANGE — Margaret Mead, Ed. — *UNESCO (Columbia University)*, 348 p., paper, \$1.75. Reporting results of a survey motivated by the desire to ease the tensions attendant upon the introduction of new ways of life and work among people who are not ready for them.

DIRECTIVAS IN LE PREPARATION E PUBLICATION DE SYNOPSIS—Division de Interlingua, Science Service—*Science Service*, 2 p., paper, free upon request to author, 80 East 11th St., New York 3, N. Y. An Interlingua translation of UNESCO document NS 51.D.10aA/05.XI.51 on the preparation and publication of abstracts.

THE DISPOSAL OF THE DEAD—C. J. Polson, R. P. Brittain and T. K. Marshall—*Philosophical Library*, 299 p., \$7.50. Intended particularly for the inexperienced funeral director, this book describes the customs of various religions and groups as well as legal requirements, and gives the historical background. Of British authorship.

GROWING TREES IN A FREE COUNTRY—Forest Industries Council—*American Forest Products Industries*, 21 p., illus., paper, free upon request direct to publisher, 1816 N Street, N.W., Washington 6, D. C. A statement of the forest policy of the Forest Industries Council for the effective management and renewal of the privately owned woodlands of America.

GUIDE TO AUDIO REPRODUCTION — David Fidelman—*Rider*, 232 p., illus., paper, \$3.50.

For radio experimenters, amateurs, servicemen and engineers.

HIGH ALTITUDE ROCKET RESEARCH—Homer E. Newell, Jr.—*Academic Press*, 298 p., illus., \$7.50. This work by the head of the rocket-sonde research branch of the Naval Research Laboratory is concerned not so much with space travel as with the use of this modern device to study the upper atmosphere, the ozone layer, the ionosphere and cosmic rays.

HOW TO LIE WITH STATISTICS—Darrell Huff Norton, 142 p., illus., \$2.95. These directions on how to misuse statistics also serve to make the reader critical of misleading figures.

INTERMEDIATE ALGEBRA FOR COLLEGE STUDENTS—Thurman S. Peterson—*Harper*, rev. ed., 369 p., \$3.25. A text for college students who have had not more than one year of secondary school algebra. A terminal course for non-science students, and a foundation for those who plan to take more advanced mathematics.

ION EXCHANGE RESINS IN MEDICINE AND BIOLOGICAL RESEARCH—Hairy Sobotka and others—*New York Academy of Sciences*, 262 p., illus., paper, \$4.50. These papers, which were presented at a special conference, describe the use of this new technique in diagnosis and research.

KEEPING AND BREEDING AQUARIUM FISHES—C. W. Emmens—*Academic Press*, 202 p., illus., \$4.50. Telling the hobbyist how to maintain a balanced aquarium and how to know the fishes he breeds or cares for.

MATH IS FUN—Joseph Degrazia—*Emerson Books*, 159 p., illus., \$2.75. A collection of puzzles and mathematical games and amusements.

METHODS FOR EMISSION SPECTROCHEMICAL ANALYSIS—ASTM Committee E—2 on Emission Spectroscopy — *American Society for Testing Materials*, 309 p., illus., paper \$4.50, cloth \$5.15. The first extensive compilation on emission spectrochemical methods presenting the pertinent information to permit its application in various laboratories.

MOTOR SERVICE'S NEW AUTOMOTIVE ENCYCLOPEDIA: Complete Course in Automotive Mechanics With Special Emphasis on Fundamental Principles, Trouble Shooting—William

K. Toboldt and Jud Purvis—*Goodheart-Willcox*, 768 p., illus., \$7.95. Intended for both inexperienced and experienced mechanics and car owners, and containing specifications for cars made from 1928 to 1953.

PAYING FOR MEDICAL CARE IN THE UNITED STATES—Oscar N. Serbein, Jr.—*Columbia University Press*, 543 p., \$7.00. The people of the United States spent over \$11,000,000,000 on illness in a single year. Here is a study of how the money was applied and what proportion was laid aside in advance in medical prepayment plans.

THE SHAPING OF THE MODERN MIND: The Concluding Half of Ideas and Men — Crane Brinton—*New American Library*, 287 p., paper, 35 cents. Explaining the ideas of men who have shaped the course of history.

SILICONES AND THEIR USES—Rob Roy McGregor—*McGraw-Hill*, 302 p., illus., \$6.00. Bringing together and correlating the scattered and confusing information about this important family of chemicals and what they can do. Intended as a non-technical manual for engineers and others making use of silicones.

UHF TELEVISION ANTENNAS AND CONVERTERS — Allan Lytel — *Rider*, 118 p., illus., paper, \$1.80. To prepare dealers and servicemen to answer the questions of owners, and to service and install these units.

THE WORKER SPEAKS HIS MIND ON COMPANY AND UNION — Theodore V. Purcell — *Harvard University Press*, 344 p., illus., \$6.00. A priest who lived for a year and a half in the stockyards community writes this book about the attitudes and opinions of Swift and Company workers as expressed to him in numerous talks.

Science News Letter, January 9, 1954

BIOCHEMISTRY

New, Unidentified Acid Found in Brain

► **DISCOVERY OF a new, unknown acid in the brain is announced in *Nature* (Dec. 26, 1953) by three American scientists, Drs. F. Friedberg, L. M. Marshall and L. H. Newman of Howard University Medical School, Washington.**

The acid contains 54.3% carbon and 10.4% hydrogen. It was found by the partition chromatography method of separating chemicals in a mixture. Silica gel was used as the medium for the separation.

Science News Letter, January 9, 1954

Flower Coasters and Tiles **PRESERVE Real FLOWERS in NEW CRYSTAL PLASTIC**

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Enjoy the glossy, evergreen leaves of this English Ivy all winter on house-walls, chimneys, garden walls. Also beautiful ground cover. Strong potted plants now first time at popular prices.

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