

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.

AMINO ACID MALNUTRITION—William H. Cole, Ed.—*Rutgers University Press*, 98 p., diagrams, paper, \$2.00. In recent years the emphasis of nutrition studies has shifted from caloric intake to vitamins, to the quality and relative amounts of protein, carbohydrate and fat required, to balances between them, and finally to considerations of balances among the proteins and their constituent amino acids.

BIOCHEMISTRY OF THE AMINO ACIDS—Alton Meister—*Academic*, 485 p., diagrams, \$10.00. Presenting a comprehensive picture of the present status of the biochemical interrelationships and transformations of the naturally occurring amino acids. Includes a chapter on the role of amino acids in nutrition.

THE BIOLOGICAL ACTION OF GROWTH SUBSTANCES—H. K. Porter, Ed.—*Academic* for the Company of Biologists on behalf of the Society for Experimental Biology, 344 p., illus., \$9.50. Discussing the action of hormones, antibiotics and other agents in promoting growth.

THE COPERNICAN REVOLUTION: Planetary Astronomy in the Development of Western Thought—Thomas S. Kuhn—*Harvard University Press*, 297 p., diagrams, \$5.50. The ideas of Copernicus had an impact far wider than their effect on astronomy and a picture of the universe.

DISCOVERY OF THE UNIVERSE: An Outline of the History of Astronomy From the Origins to 1956—Gerard De Vaucouleurs—*Macmillan*, 328 p., illus., \$6.00. Translation, with additions, of a book originally published in France in 1951.

GEOLOGIC FIELD METHODS—Julian W. Low—*Harper*, 489 p., illus., \$6.00. A do-it-yourself guide which makes it possible for the field tyro as well as the field veteran to follow the step-by-step procedures. Contains a chapter on living and working out of doors.

INSTRUMENTAL ANALYSIS—Paul Delahay—*Macmillan*, 384 p., diagrams, \$7.90. Covering the most important methods of instrumental analysis not generally discussed in courses in physics and physical chemistry. For undergraduate and graduate students.

A MANUAL OF AQUATIC PLANTS—Norman C. Fassett, Revision Appendix by Eugene C. Ogden—*University of Wisconsin Press*, 405 p., illus., \$6.50. To make identification of aquatic plants as simple as possible.

MENTAL DEPRESSIONS AND THEIR TREATMENT—Samuel Henry Kraines—*Macmillan*, 555 p., diagrams, \$8.00. The author postulates that manic-depressive psychosis is due to hereditary susceptibility and a physiologic (often hormonal) precipitating factor and that the mechanism of the illness is disturbed function of the diencephalic area.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS FORTY-FIRST ANNUAL REPORT 1955—Jerome C. Hunsaker, Chairman—*Govt. Printing Office*, 1377 p., illus., \$9.00. Today, the most pressing research problems faced by this technical agency are associated with a nuclear engine for airplanes and with an intercontinental ballistic missile.

PETROGRAPHY AND ORIGIN OF DOLOMITE-BEARING CARBONATE ROCKS OF ORDOVICIAN AGE IN VIRGINIA—Charles Roderick Bruce Hobbs Jr.—*Virginia Polytechnic Institute*, Engineering Experiment Station Series No. 116, 128 p., illus., paper, \$1.00. The dolomite-bearing carbonate rocks of Virginia afford excellent opportunities for petrographic studies relating to the origin of dolomite.

PHYSICS IN METEOROLOGY—A. C. Best—*Pitman*, 159 p., diagrams, \$3.75. The weather forecaster takes part in a physical experiment in which the whole world is the laboratory.

SCIENCE LOOKS AT SMOKING: A New Inquiry Into the Effects of Smoking on Your Health—Eric Northrup with introduction by Harry S. N. Greene—*Coward-McCann*, 190 p., \$3.00. This book by a medical journalist is reassuring to those who have worried about smoking but do not want to stop.

SOLAR FURNACE SYMPOSIUM PROCEEDINGS—Jean Jensen, Ed.—*Association for Applied Solar Energy*, Special issue of the *Journal of Solar Energy, Science and Engineering*, 116 p., illus., paper, \$5.00. Contains all papers given at technical sessions and luncheon meetings together with address at evening public meeting and a survey of U. S. solar furnaces.

TRAINS—Robert Selph Henry—*Bobbs-Merrill*, *Electronic Age* ed., 152 p., illus., \$3.95. Trains and railroads have a fascination for fathers and sons alike. This book tells the story of trains from Tom Thumb to the latest streamliner.

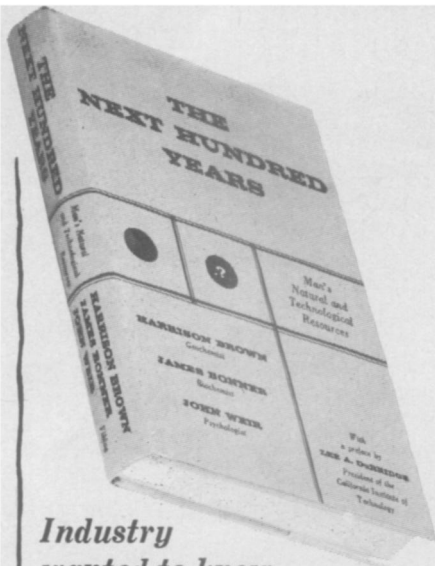
UNDERSTANDING SURGERY—Robert E. Rothenberg, compiler and ed.—*McGraw-Hill*, 620 p., illus., \$4.95. Explaining to laymen the nature of various surgical operations.

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RADIO

Saturday, July 20, 1957, 1:45-2:00 p.m., EDT. "Adventures in Science" with Watson Davis, director of Science Service, over the CBS Radio Network. Check your local CBS station.

Dr. James A. Shannon, director, National Institutes of Health, Bethesda, Md., will discuss "Our Research for Health."



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By H. T. Behrman, M. D., and O. L. Levin, M. D.

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