

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 AIRCRAFT RECOGNITION MANUAL—C. H. Gibbs-Smith—*Putnam (John de Graff)*, new ed., 239 p., illus., \$2.50. Photographs, descriptions and "sillographs" to aid in the popular hobby of airplane spotting.

A FIELD GUIDE TO ANIMAL TRACKS—Olaus J. Murie—*Houghton Mifflin*, Peterson Field Guide Series, 374 p., illus., \$3.75. A lavishly illustrated pocket guide enabling you to identify the animal you did not see, and also to learn quite a bit about his habits.

FLIGHT INTO SPACE: The Facts, Fancies and Philosophy—Jonathan Norton Leonard—*New American Library*, 185 p., paper, 35 cents. Originally published by Random House, this is a non-technical account of man's attempts to explore the universe beyond this earth.

FREEDOM FROM FEAR—Lester L. Coleman—*Hawthorn*, 285 p., \$3.95. A specialist in ear, nose and throat writes this book, motivated by the subtle evidence of fear and anxiety in his patients.

THE GENETICS OF PARAMECIUM AURELIA—G. H. Beale—*Cambridge University Press*, Cambridge Monographs in Experimental Biology 2, 179 p., illus., \$2.50. The ciliate protozoan discussed here is an insignificant and harmless microbe, common in ponds and streams the world over, which has risen to distinction for the aid it has given to the study of genetics.

HI-FI HANDBOOK: A Guide to Home Installation—William J. Kendall—*Crowell*, 164 p., illus., \$2.95. Presenting the basic facts on physics and electronics, mastery of which will make it possible for the music lover to rig up his own music system in the home.

ISOTOPIC GAS ANALYSIS FOR BIOCHEMISTS—R. F. Glascock—*Academic*, 247 p., illus., \$5.80. A manual for practical use in the laboratory in connection with the new techniques utilizing radioactive isotopes, especially of carbon and hydrogen.

THE LANGUAGE OF TAXONOMY: An Application of Symbolic Logic to the Study of Classificatory Systems—John R. Gregg—*Columbia University Press*, 70 p., \$2.50. Suggesting that symbolic logic would be a useful tool in the development of a means of expression in methodological taxonomy.

LISTS RELATING TO ACCIDENT EQUIPMENT, AUTOMOTIVE EQUIPMENT, BURGLARY PROTECTION

EQUIPMENT—Underwriters' Laboratories, 127 p., illus., paper, free upon request to publisher, 207 E. Ohio St., Chicago 11, Ill. To aid the consumer to select safe equipment and to use it correctly.

LOTS OF KNOTS — LOTS OF FUN: New Easy Picture System to Learn Knot Tying—Robert Jay Carter—*Carter Toy Co.*, 32 p., illus., paper, 50 cents. Clear, humorous drawings make even complicated knots easy to tie.

LOW TEMPERATURE TEST METHODS AND STANDARDS FOR CONTAINERS—Earl C. Myers and Norbert J. Leinen, Eds.—*Advisory Board on Quartermaster Research and Development*, 126 p., illus., paper, free upon request, by those concerned with research in packaging, directly to Quartermaster Food and Container Institute for the Armed Forces, 1819 West Pershing Road, Chicago 9, Ill.

MANUFACTURE AND APPLICATION OF LUBRICATING GREASES—C. J. Boner—*Reinhold*, 977 p., illus., \$18.50. Describing the composition, properties and uses of lubricating greases, and reviewing recent developments in the field.

A METHOD FOR THE MEASUREMENT OF ATMOSPHERIC OZONE USING THE ABSORPTION OF OZONE IN THE VISIBLE SPECTRUM—Oliver R. Wulf and James E. Zimmerman—*Smithsonian*, 14 p., paper, 25 cents. Presenting an analytical method.

NATURE FUNBOOK—Gerald M. Straight—*Hart*, 159 p., illus., paper, \$1.25. Quizzes, puzzles and amazing facts to teach the child from nine to 14 more about nature.

NEW HORIZONS IN CREATIVE THINKING: A Survey and Forecast—R. M. MacIver, Ed.—*Institute for Religious and Social Studies (Harper)*, 159 p., \$2.00. A group of intellectual leaders look from many distinct points of view at our changing scene, in this series of luncheon addresses.

THE OCEAN FLOOR—Hans Pettersson—*Yale University Press*, 181 p., illus., \$3.00. Based on the recent Silliman Lectures by this Swedish oceanographer.

ORDNANCE: Government-Owned Inventions Available for License—Government Patents Board—*Office of Technical Services*, Patent Abstract Series, No. 6, PB 111469, 58 p., paper, \$2.00. Describing 644 inventions.

THE PHYSIOLOGY OF INSECT METAMORPHOSIS—V. B. Wigglesworth—*Cambridge University*

Press, Cambridge Monographs in Experimental Biology No. 1, 152 p., illus., \$2.50. Experimental evidence indicates that metamorphosis is controlled by a hormone secretion of a gland activated by a factor produced in the brain.

PREHISTORIC STONE IMPLEMENTS OF NORTHEASTERN ARIZONA: Reports of the Awatovi Expedition, Report No. 6—Richard B. Woodbury—*Peabody Museum, Papers*, Vol. XXXIV, 240 p., illus., paper, \$7.50. Reporting cultural changes over a period of continuous occupation of about 1,200 years.

PRINCIPLES OF BIOCHEMISTRY—Abraham White, Philip Handler, Emil L. Smith and DeWitt Stetten Jr.—*McGraw-Hill*, 1117 p., illus., \$15.00. Presenting an introduction to this science for medical students and others concerned primarily with mammalian biochemistry.

RENAL FUNCTION: Transactions of the Fifth Conference, October 14, 15, and 16, 1953, Princeton, N. J.—Stanley E. Bradley, Ed.—*Josiah Macy Jr. Foundation*, 218 p., illus., \$3.75.

RESEARCH ON LABOR MOBILITY: An Appraisal of Research Findings in the United States—Herbert S. Parnes—*Social Science Research Council*, 205 p., paper, \$1.75. A stocktaking of past research on this topic.

SCIENCE FOR WORK AND PLAY—Herman and Nina Schneider—*Heath*, 154 p., illus., \$1.68. Introducing first graders to the world of science with good color pictures. No reading is required until you reach page 64.

SCIENCE FUNBOOK—Gerald M. Straight—*Hart*, 159 p., illus., paper, \$1.25. Addressed to boys and girls from 10 to 15, this book contains stories, puzzles, quizzes and simple experiments.

STRUCTURE OF MOLECULES AND INTERNAL ROTATION—San-Ichiro Mizushima—*Academic*, 244 p., illus., \$6.00. The professor of physical chemistry at the University of Tokyo writes on a subject in which he has specialized.

STUTTERING: A Psychodynamic Approach to its Understanding and Treatment—Dominick A. Barbara—*Julian*, 304 p., \$5.00. An attempt to correlate the late Karen Horney's theory of neurosis with the specific psychosomatic problem of stuttering. The author was guided by his own personal experience as a stutterer.

THE SYSTEMATIC POSITION OF LANTHANOTUS AND THE AFFINITIES OF THE ANGUINOMORPHAN LIZARDS—Samuel Booker McDowell Jr. and Charles M. Bogert—*American Museum of Natural History*, Bulletin, Volume 105, Article 1, 142 p., illus., paper, \$3.00. Comparison of the skull, tongue and external features of this rare reptile shows that although it has superficial resemblance to the beaded lizards of the U. S., it is really quite different.

TRANSACTIONS OF THE INTERNATIONAL ASTRO-NOMICAL UNION: Vol. VIII—P. Th. Oosterhoff, Ed.—*Cambridge University Press*, 887 p., illus., \$10.50. Proceedings of the Eighth General Assembly held at Rome, September 4 to 13, 1952. Some papers are in French and some in Italian.

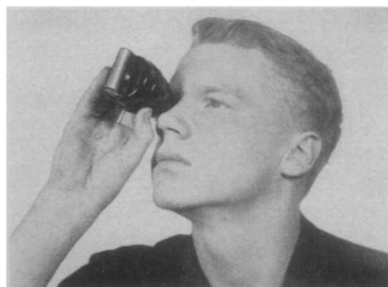
VERTICAL SAND DRAINS—William S. Housel, L. A. Palmer and K. B. Hirashima—*Highway Research Board*, Bulletin 90, 37 p., illus., paper, 60 cents. Containing two papers presented at the thirty-third annual meeting January 12-15, 1954.

Science News Letter, November 27, 1954

Fifty percent of the total coffee imported into the U. S. is from Brazil.

Algae are found in heated pools at Yellowstone Park with a temperature of about 185 degrees Fahrenheit.

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