

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 ANALYTICAL THEORY OF HEAT—Joseph Fourier, translated, with notes by Alexander Freeman—*Dover*, 466 p., paper, \$1.95. A republication of the English translation of this classic, which first appeared in 1878.

THE COMPARATIVE ENDOCRINOLOGY OF VERTEBRATES: Part II, The Hormonal Control of Water and Salt-Electrolyte Metabolism in Vertebrates—I. Chester Jones and P. Eckstein, Eds.—*Cambridge University Press*, Memoirs of the Society for Endocrinology, 124 p., illus., \$4.75. Proceedings of a conference held at the University of Liverpool July, 1954.

THE COST OF THE NATIONAL HEALTH SERVICE: In England and Wales—Brian Abel-Smith and Richard M. Titmuss—*Cambridge University Press*, 176 p., \$5.50. Showing what the National Health Service has cost in England and Wales between July, 1948, and March, 1954, and identifying some of the more important factors that have determined costs during this period.

EDUCATION AND EMPLOYMENT SPECIALIZATION IN 1952 OF JUNE 1951 COLLEGE GRADUATES—E. Eleanor Rings—*Gov't Printing Office*, National Science Foundation, 78 p., paper, 35 cents. More than two-thirds of the respondents in the survey reported they were employed in

1952, and the majority indicated their employment was "education-related."

EPITOME OF THE PHARMACOPEIA OF THE UNITED STATES AND THE NATIONAL FORMULARY: With Comments—Council on Pharmacy and Chemistry of the American Medical Association—*Lippincott*, 10th ed., 322 p., \$3.00. This edition has been designed to serve as a companion volume to *New and Nonofficial Remedies*, also issued by the AMA Council on Pharmacy and Chemistry.

FOLLOW THE WHALE—Ivan T. Sanderson—*Little, Brown*, 423 p., illus., \$6.00. Stone Age men of the North Sea left records of having hunted the whale. This is the beginning of the fascinating story of whalers and whales, which the author traces down through the ages to the present day.

A FURTHER CONTRIBUTION TO THE ORNITHOLOGY OF NORTHEASTERN VENEZUELA—Herbert Friedmann and Foster D. Smith Jr.—*Smithsonian*, Proceedings of the U. S. National Museum, 62 p., illus., paper, free upon request direct to publisher, Washington 25, D. C.

GEOMETRY OF FOUR DIMENSIONS—Henry Parker Manning—*Dover*, 348 p., illus., cloth \$3.95, paper \$1.95. Republication of a book originally published by Macmillan in 1914.

GREEN FACTORIES—Eva L. Gordon—*New York State College of Agriculture*, Cornell Rural School Leaflet, 31 p., illus., paper, 20 cents. Explaining the workings of photosynthesis and showing that most living things are dependent on this process.

INTRODUCTORY QUANTITATIVE CHEMISTRY—Axel R. Olson, Charles W. Koch and George C. Pimentel—*Freeman*, 470 p., illus., \$5.00. This text includes the contents of *Introductory Quantitative Analysis*. However, the emphasis has been broadened in recognition of the fact that quantitative measurement provides the cornerstone for all the sciences.

LEARNING ABOUT TESTS—Joseph C. Heston—*Science Research Associates*, Junior Life Adjustment Booklet, 40 p., illus., paper, 50 cents. Written to help students learn how to study for tests and how to take tests so they may make better grades on their examinations.

THE MIGHTY FORCE OF RESEARCH—Editors of *Fortune*—*McGraw-Hill*, 308 p., illus., \$4.00. Telling of the men and organizations involved in scientific research, which has developed into a four-billion-dollar-a-year business.

NATIONAL BUREAU OF STANDARDS ANNUAL REPORT 1955—A. V. Astin, Director—*Gov't Printing Office*, U. S. Dept. of Commerce Miscellaneous Publication 217, 175 p., illus., paper, 55 cents.

PHYSICAL ORGANIC CHEMISTRY—Jack Hine—*McGraw-Hill*, 497 p., illus., \$9.00. Dealing with the formation of carbon compounds by polar reactions, with free-radical reactions, and with four-center-type rearrangements.

PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON THE PEACEFUL USES OF ATOMIC ENERGY: Volume 2, Physics; Research Reactors—*United Nations (Columbia University Press)*, 471 p., illus., \$8.00. Includes all information developed at the Geneva Conference on the background physics and the construction and operation of research reactors. Detailed features of each power reactor type are covered in Volume 3 (See SNL, Jan 14, p. 30.)

PROCEEDINGS OF THE NINTH ANNUAL CONFERENCE ON THE ADMINISTRATION OF RESEARCH—T. H. Vaughn, Chairman—*New York University Press*, 107 p., paper, \$4.00. Records of a meeting held at Northwestern University Technological Institute, Evanston, Ill., Sept. 7-9, 1955.

PSYCHOLOGY OF INDUSTRIAL CONFLICT—Ross Stagner—*Wiley*, 550 p., illus., \$8.00. Attempting to systematize and apply the principles of social psychology relevant to industrial conflict.

SCIENCE AS A SOCIAL INSTITUTION: An Introduction to the Sociology of Science—Gerard DeGré—*Doubleday (Random House)*, 48 p., paper, 85 cents. Bringing into focus several interrelated philosophical, moral and sociological problems in the field of the sociology of science which is, according to the author, the investigation of the way in which society and science reciprocally influence one another.

SCIENTIFIC PERSONNEL RESOURCES: A Summary of Data on Supply, Utilization and Training of Scientists and Engineers—National Science Foundation—*Gov't Printing Office*, 86 p., illus., paper, 50 cents. This volume marks the completion of the first phase of a continuing study of the scientific and technical manpower situation being made by the National Science Foundation.

TOOLS IN YOUR LIFE—Irving Adler—*Day*, 128 p., illus., \$2.95. Telling for children the story of man's use of tools from early times to the present.

THE TORMENT OF SECRECY: The Background and Consequences of American Security Policies—Edward A. Shils—*Free Press*, 238 p., \$3.50. Interpreting the significance of our security and loyalty policies of the past ten years in the "light of the tasks and traditions of American life and the principles of the free society."

YOU AND TV—Robert Stollberg—*Science Research Associates*, 55 p., illus., paper, 60 cents. Giving some of the basic principles of how and why television works.

Science News Letter, February 25, 1956

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