

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.

ATOMIC ENERGY FACTS: A Summary of Atomic Activities of Interest to Industry—Vitro Engineering and AEC Technical Information Service—Govt. Printing Office, 216 p., illus., paper, \$2.00. A source book for industrial management, dealing with Atomic Energy Commission organization, the production of uranium and thorium, power reactors, fuel cycles, research reactors and radio-isotopes.

AUTOMOBILE EXHAUST AND SMOG FORMATION—W. L. Faith, N. A. Renzetti and L. H. Rogers—Air Pollution Foundation, Report No. 21, 103 p., illus., paper, \$3.00. This report summarizes the work done to date and points out the obstacles to finding adequate methods for controlling automobile exhaust emissions.

CATALYSIS: Vol. V, Hydrogenation, Oxo-Synthesis, Hydrocracking, Hydrodesulfurization, Hydrogen Isotope Exchange and Related Catalytic Reactions—Paul H. Emmett, Ed.—Reinhold, 542 p., \$15.00. This volume, the last of the series, deals with both the simple addition of hydrogen and the destructive hydrogenation or hydrogenolysis.

CONTRIBUTIONS TO THE THEORY OF GAMES, Vol. III—M. Dresher, A. W. Tucker and P. Wolfe, Eds.—Princeton Univ. Press, 435 p., paper, \$5.00. Covering the investigation of certain classes of infinite two-person zero-sum games, not only to establish the existence of solutions but also to describe their detailed nature and construction.

EDUCATION IN THE USSR—Eleanor S. Lowman and others—Govt. Printing Office, Office of Education, 226 p., illus., paper, \$1.25. This study of education in Soviet Russia will be of special interest in light of the recent achievements of Soviet scientists. (See SNL, Nov. 23, p. 326.)

FEDERAL FUNDS FOR SCIENCE: VI: The Federal Research and Development Budget, Fiscal Years 1956, 1957, and 1958—National Science Foundation—Govt. Printing Office, 60 p., graphs and charts, paper, 35 cents. Deals with the \$3,000,000,000 research budget, 85% of which went to the Department of Defense and the Atomic Energy Commission in 1957.

THE FOCAL ENCYCLOPEDIA OF PHOTOGRAPHY—Frederick Purves, Ed.—Macmillan, 1298 p., illus., \$20.00. A comprehensive work covering the realm of photography, its techniques, its art and its business, primarily designed for those

with an active interest in photography. Originally published in Great Britain.

FUNDAMENTALS OF ELECTRON DEVICES—Karl R. Spangenberg—McGraw-Hill, 505 p., illus., \$10.00. An undergraduate text to serve as introduction to electronic studies, with emphasis on the physics of electron devices.

GUIDE TO THE MICROSCOPE—Arthur Beiser—Dutton, 127 p., illus. by author and Sol Ehrlich, \$3.25. Tells how the microscope works, and takes the reader step-by-step through the microscopic world that lies around him.

HAIR STRUCTURE AS A GENERIC CHARACTER IN BATS—Frances A. Benedict—Univ. of Calif. Press, 263 p., illus., paper, \$4.00. The relationships between various groups in the Chiroptera order are often obscure; this is an attempt to develop a supplemental tool for determining group affinities within the order.

HEART DISEASE: What You Should Know About It—Alton L. Blakeslee, foreword by Paul Dudley White—Grosset & Dunlap, 64 p., illus., paper, \$1.00. Fundamental facts for the layman about the anatomy and physiology of the human heart and diagnosis and treatment, both medical and surgical, of heart disease.

THE INNER METAGALAXY—Harlow Shapley—Yale Univ. Press, 204 p., illus., \$6.75. Our metagalactic neighborhood described here encompasses the majority of the galaxies (except the dwarfs) within a distance of 150 million light years. It is, according to the author, a local affair—local compared with the volume we know to be populated with galaxies.

MICROCHEMICAL JOURNAL, Vol. I, No. 1.—Nicholas D. Cheronis and others, Eds.—Inter-science for Metropolitan Microchemical Society, Semiannual, 166 p., illus., \$9.60 per year. A journal devoted to the application of microtechniques in all branches of science.

MONKEY BUSINESS—Irving Adler—Day, 128 p., illus. by Ruth Adler, \$2.95. Tells the story of famous and clever frauds and hoaxes perpetrated in the name of science.

NUCLEAR METALLURGY (Vol. IV): A Symposium on Uranium and Uranium Dioxide—A. R. Kaufman, Chairman, American Institute of Mining, Metallurgical, and Petroleum Engineers, Institute of Metals Division, 143 p., illus., paper, \$7.00. Deals with melting, forging, casting, rolling, coldworking, welding of uranium, preparation and fabrication of uranium dioxide for fuel element use.

OAK RIDGE INSTITUTE OF NUCLEAR STUDIES: Eleventh Annual Report—William G. Pollard, exec. director. Oak Ridge Institute of Nuclear

Studies, 86 p., illus., paper, free upon request direct to publisher, Information Dept., P. O. Box 117, Oak Ridge, Tenn.

ON NUCLEAR ENERGY: Its Potential for Peacetime Uses—Donald J. Hughes, foreword by Lewis L. Strauss—Harvard Univ. Press, 263 p., illus., \$4.75. Presenting for the layman the potential of nuclear energy for peacetime uses, and including the background of nuclear energy, early experiments and discoveries.

THE ORIGINS OF MODERN SCIENCE: 1300-1800—H. Butterfield—Macmillan, 242 p., \$3.00. These revised lectures focus on the bold and original new directions given to the development of science by such minds as Galileo, Bacon, Descartes, Boyle and Newton.

PROJECT VANGUARD REPORT No. 18, MINITRACK REPORT No. 1: Phase Measurement—C. A. Schroeder, C. H. Looney, Jr. and H. E. Carpenter, Jr.—Office of Technical Services, NRL Report 4995, 28 p., illus., paper, \$1.00. Provides a detailed description of the phase measurement portion of the Minitrack system which has been tracking the sputniks.

RESOURCE LITERATURE FOR SCIENCE TEACHERS—John S. Richardson, Ed.—Ohio State University Press, 65 p., paper, \$1.00. A valuable bibliography for teachers of science in the elementary and secondary schools.

SOCIAL & CULTURAL DYNAMICS: A Study of Change in Major Systems of Art, Truth, Ethics, Law and Social Relationships—Pitirim Sorokin—Sargent, Rev. and abridged in one volume by author, 718 p., illus., \$7.50. This abridged edition of Sorokin's four-volume work gives the essence of his remarkable analysis of the personalities, events, trends and beliefs which have made our civilization what it is.

THERE'S ADVENTURE IN CHEMISTRY—Julian May—Popular Mechanics Press, 156 p., illus. by Frank C. Murphy, \$2.50. With his father, a teenager discovers the secrets of chemistry.

THERE'S ADVENTURE IN ELECTRONICS—Julian May—Popular Mechanics Press, 170 p., illus. by Frank C. Murphy, \$2.50. Story of a teenager who learns about electronics from his scientist-father.

TRANSISTOR ELECTRONICS—David Dewitt and Arthur L. Rossoff—McGraw-Hill, 381 p., illus., \$8.00. This textbook's aim is to prepare the engineer to use the transistor with a confidence based on a quantitative understanding of its operating mechanisms.

THE UNITED NATIONS AND PROMOTION OF THE GENERAL WELFARE—Robert E. Asher and others—Brookings, 1216 p., \$8.75. A study of the efforts of the United Nations in combatting poverty, disease and ignorance, in encouraging respect for human rights and helping colonial peoples achieve self-government.

VISUALIZED GENERAL BIOLOGY—Andrew J. Burdick and Joseph J. Dudleston—Oxford Book Co., Rev. ed., 377 p., illus., cloth \$1.60, paper 85 cents. The text has been updated in this revised edition and a new chapter has been added covering the significant recent advances and problems in the biological field.

WONDERS AROUND THE SUN—Mary Graham Bonner—Lantern Press, 122 p., illus., \$2.50. Telling boys and girls the fascinating story of our solar system.

Science News Letter, November 30, 1957

YOUR HAIR and Its Care

By Oscar L. Levin, M.D.
and Howard T. Behrman, M.D.

If you want healthy hair, lovely hair, then you need the expert advice in this book.

Two medical specialists have here pooled their knowledge to give you in plain language the up-to-date scientific facts now available about hair. They tell you what to do (and what not!) to save and beautify your hair, stimulate healthier hair growth, and deal with many problems, common and uncommon, as: Dandruff—gray hair—thinning hair—care of the scalp—baldness—abnormal types of hair—excessive oiliness—brittle dryness—hair falling out—infection—parasites—hair hygiene, etc., etc.

Medical science is better equipped today than ever before to prevent trouble above the hair line; or, should some difficulty already have arisen, to deal effectively with it.

"A worthwhile book full of important information."
—Ohio State Medical Journal

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