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.

Animals and Men in Armor—Genevieve Vaughan-Jackson—Hastings House, 88 p., beautifully illus., with drawings by author, \$3.75. Geology for young people.

Application of Tensor Analysis—A. J. McConnell—*Dover*, 318 p., paper, \$1.85. Student reprint of a standard work particularly rich in practice examples.

Arctic World-John Euller-Abelard-Schuman, 142 p., illus., \$3. Written by an enthusiast about life and exploration in the far north.

ASTRONOMY HANDBOOK-Leon A. Hausman -Arco, 143 p., illus., \$2. For beginning star gazers.

Behaviorism—John B. Watson—Univ. of Chicago Press, 308 p., illus., paper, \$1.50. New edition of the famous work that had such a tremendous impact on psychology.

CAREERS IN GEOLOGY: Areas of Specialization, Training, Scholarships, Fellowships, Opportunities, Where Employment Is Found-Juvenal L. Angel, World Trade, 26 p., \$1. Information needed by young people when they are choosing their life work.

CHEMICAL REACTION ENGINEERING: Meeting of the European Federation of Chemical Engineering, Amsterdam, 7th, 8th, and 9th May, 1957—K. Rietema, Ed.—Pergamon, 200 p., graphs, \$12.50.

AND TRAINING—Marion L. CHILD CARE Faegre, John E. Anderson and Dale B. Harris

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-Univ. of Minnesota Press, 300 p., 8th ed. rev., \$3. For parents, telling of normal develop-

THE DETROIT SCIENCE EDUCATION STORY—Samuel M. Brownell—Thomas Alva Edison Foundation, 20 p., paper, single copies free upon request direct to publisher, 8 West 40th St., New York 18, N. Y. Having as teachers of mathematics or science those who dislike these subjects is cited as one hindrance.

The Earth and Its Atmosphere — D. R. Bates, Ed.—Basic Books, 324 p., illus., \$6. Providing a background for understanding the research of the IGY.

EARTH FOR THE LAYMAN-Mark W. Pangborn, Jr.—Am. Geological Inst., Report 2, 2d ed., 68 p., paper, \$1. Listing nearly 1,400 books pamphlets of popular interest on geology, mining, oil, maps and related subjects, and intended to direct young people toward science

Effect of Radiation on Human Heredity: Report of a Study Group Convened by WHO
Together With Papers Presented by Various Together With Papers Presented by Members of the Group—H. J. Muller and others—World Health Organization, 168 p., diagrams, \$4. Reporting the opinions of experts from countries other than the U.S. and Great Britain.

ENERGY AND MAN-Sir Harold Hartley and others-Esso Petroleum Co. Ltd. (Standard Oil of New Jersey) 49 p., illus., paper, single copies free upon request direct to publisher, 30 Rockefeller Plaza, New York 20, N. Y. Tracing the history of energy from its origin in the first primeval mass.

Engineering College Research Review-Engineering College Research Council, 408 p., paper, \$2. Listing research programs of engineering colleges and also names of research administrative personnel and number of workers assigned to each project.

Engineers' Council for Professional De-VELOPMENT 25TH ANNUAL REPORT 1956-1957-M. D. Hooven and others—Engineers' Council for Professional Development, 75 p., paper, \$1.

EVERGREEN ORCHARDS - William Henry Chandler—Lea, 2d ed., 535 p., illus. \$8.50. Describing characteristics and problems of many tropical and subtropical trees from citrus fruits to coconut and pineapple.

THE EXPANDING UNIVERSE—Sir Arthur Eddington-Univ. of Michigan Press, 128 p., illus.,

ment and how to aid it.

paper, \$1.45. An expanded version of a public lecture delivered at the International Astronomical Union at Cambridge, Mass., in Sept., 1932. Student edition.

FORTUNATE STRANGERS-Cornelius Beukenkamp, Jr.—Rinehart, 269 p., \$3.50. A Dutchborn, American-trained psychiatrist describes for laymen what happens in group psychotherapy.

GENERAL GEOLOGY LABORATORY WORKBOOK: Physical Geology and Historical Geology—Samuel P. Ellison, Jr., Ed.—Harper, 271 p., illus., paper, \$3.75. Guide for both teacher and

GENERAL SCIENCE TODAY—Phil R. Gilman and L. F. Van Houten—Rand McNally, 630 p., illus., \$4.36. A high-school text with the emphasis on practical application of scientific method.

HIGH-SPEED PHOTOGRAPHY: Volume 6ney M. Lipton and others-Soc. of Motion Picture and Television Engs., 200 p., illus., paper, \$3.50. Includes a description of the tracking telescope type of instrument used in missile programs.

HYPNOSIS IN HEALTH AND SICKNESS—Gordon Ambrose and George Newbold-Staples (de Graff), 196 p., \$3.50. An English book describing hypnotherapy as a treatment for nervous disorders.

THE INDIANAPOLIS SCIENCE EDUCATION STORY —Paul E. Johnson and Newton G. Sprague— Thomas Alva Edison Foundation, 19 p., illus., paper, single copies free upon request direct to publisher, 8 West 40th St., New York 18, N. Y. Addresses before an institute of the Foundation.

LOGICAL DESIGN OF DIGITAL COMPUTERS Montgomery Phister, Jr.—Wiley, 408 p., diagrams, \$10.50. Text for a one-semester or twosemester course in computer logic. Practical applications for engineers, mathematicians and physicists.

THE MAKING OF A MOON: The Story of the Earth Satellite Program—Arthur C. Clarke— Harper, Rev. ed., 205 p., illus., \$3.50. Describing what has been going on in this modern field.

MATHEMATICAL EXCURSIONS: Side Trips Along Paths Not Generally Traveled in Elementary Courses in Mathematics—Helen Abbot Merrill— Dover, 145 p., paper, \$1. For those who like games and puzzles dealing with numbers as well as unusual techniques in simple mathematics.

Modern American Engineers—Edna Yost— Lippincott, rev. ed., 182 p., \$3. Biographies written for young people.

NATURE IS YOUR GUIDE: How To Find Your Way on Land and Sea by Observing Nature—Harold Gatty, foreword by Lt. Gen. J. H. Doolittle—Dutton, 287 p., illus., \$4.95. Hints to outdoor enthusiasts on how to avoid getting lost.

THE NATURE OF THE PHYSICAL WORLD-Arthur Eddington-Univ. of Michigan Press, 361 p., paper, \$1.95. Reprint of a series of lectures reporting modern developments in physics and expressing some philosophical views based on them. Student Edition.

THE NEUROSES AND THEIR TREATMENT—Edward Podolsky, Ed.—Philosophical Lib., 555 p. \$10. A collection of articles that have appeared elsewhere, the date of which is not given.

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THE PHYSICAL CHEMISTRY OF ELECTROLYTIC SOLUTIONS-Herbert S. Harned and Benton B. Owen-Reinhold, 3d ed., 803 p., graphs, \$20. A drastic revision of the second edition.

PRODUCTION OF GAMMA RADIATION WITH A LINEAR ELECTRON ACCELERATOR-Malcolm H. MacGregor-Applied Radiation Corporation. Report AM-100, paper, free upon request direct to publisher, 2404 North Main, Walnut Creek, Calif. Containing valuable design data.

SCIENTIFIC SOCIETIES IN THE UNITED STATES -Ralph S. Bates—Technology Press (Columbia Univ. Press), 2d ed., 297 p., \$6.50. A history of the founding and development of leading scientific organizations beginning with Benjamin Franklin's Junto.

SHACKLETON AND THE ANTARCTIC-Margery and James Fisher-Houghton Mifflin, 559 p., illus., \$7.50. Biography of the famous explorer who died just 35 years ago.

SNOW-SURVEY SAFETY GUIDE—Ashton Codd, W. T. Frost and R. T. Davis—Gout. Printing Office, Soil Conservation Service Agriculture Handbook No. 137, 74 p., illus., paper, 40¢. Prepared especially for personnel making snow surveys, this booklet is useful for anyone travelling or working in deep snow and extreme cold.

Snow Tracks-Jean George-Dutton, 61 p., illus. with drawings by author, \$2.50. Teaching the child to recognize what animal has passed by.

SOVIET BLOC INTERNATIONAL GEOPHYSICAL YEAR INFORMATION—Office of Technical Services, 14 p., paper, mimeo, published weekly from Feb. 14, 1958, to Jan. 2, 1959, \$10 for series. Reports selected and translated from foreign-language publications regarding Soviet bloc plans.

THE SUN AND ITS FAMILY-Irving Adler-Day, 128 p., illus. with drawings by Ruth Adler, \$3. Telling simply the story of the discoveries that broke down the long-held false belief that the earth is flat and that the sun revolves around it.

THE TAYLOR SERIES: An Introduction to the Theory of Functions of a Complex Variable— P. Dienes—Dover, 552 p., paper, \$2.75. Mathematics text assuming thorough grounding in ordinary calculus.

THE THRESHOLD OF SPACE: The Proceedings of the Conference on Chemical Aeronomy—M. Zelikoff, Ed.—Pergamon, 342 p., illus., \$15. Papers by those studying aerothermochemistry.

A Treasury of Superstitions—Claudia De Lys—Philosophical Lib., 317 p., \$4.75. An abbreviated survey of current beliefs traceable to primitive and other symbolic origins and expressions.

THE TRUE STORY OF ALUMINUM - Alfred Cowles—Regnery, 251 p., illus., \$5. Telling of the little known part played by the two Cowles brothers in developing the aluminum industry. The history is here reported by a cousin.

TUBE TECHNIQUES PROCEEDINGS OF THE THIRD NATIONAL CONFERENCE-Stephen W. Leibholz, Ed.-New York Univ. Press, 128 p., illus., paper, \$5.

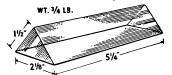
VISUAL PERCEPTUAL ABILITIES AND EARLY Reading Progress-Jean Turner Goins-Univ. of Chicago Press, 109 p., paper, \$2. Indicating that first graders include among them different kinds of perceivers and that a simple test of strength of closure can be used to predict success in learning to read.

YEASTS-W. Roman, Ed.-Academic, 246 p., illus., \$7.50. Treating the principal ways in which these useful organisms are utilized.

You Must Relax: A Practical Method of Reducing the Strains of Modern Living-Edmund Jacobson-McGraw-Hill, 4th rev. ed., 269 p., illus., \$4.50. Telling you how to make use of your own "built-in tranquilizer."

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