

Books of the Week

For the editorial information of our readers, books received for review 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.

THE ACADEMICALLY TALENTED—William P. Richardson, Ed., Summary and Conclusions by Robert B. Hughes—*N. C. Health Council*, 118 p., paper, single copies free upon request direct to publisher, 3801 Holly Lane, Raleigh, N. C. Proceedings of the Sixth Conference on Children with Special Needs, held at Duke University in 1960.

ANTARCTICA: The Story of a Continent—Frank Debenham, foreword by Sir Vivian Fuchs—*Macmillan*, 264 p., illus., \$5.50. History of Antarctic discovery, tells how man developed techniques of dealing with the problems of climate and isolation, and describes the value of Antarctic studies to mankind.

ATOMIC ENERGY RESEARCH IN THE LIFE AND PHYSICAL SCIENCES, 1960—U. S. Atomic Energy Commission—*GPO*, 175 p., illus., paper, \$1.25. On basic research in medical and biological fields, high energy physics, metallurgy, chemistry and controlled fusion.

BARRON'S GUIDE TO THE TWO-YEAR COLLEGES—Seymour Eskow, preface by Lawrence L. Jarvie—*Barron's Educ. Ser.*, 370 p., illus., \$4.95; paper, \$2.98. Describes role of two-year colleges, gives regional list, directory of programs and directory of junior and community colleges, technical and vocational institutes.

HEATH SCIENCE SERIES, Book 7: Science in the Space Age. Book 8: Science and Your Future—Herman and Nina Schneider—*Heath*, 362 p., 402 p., illus., \$3.44, \$3.72. New science textbooks for grades seven and eight, extending revised series 1-6 into junior high school level.

THE HERRING GULL'S WORLD: A Study of the Social Behaviour of Birds—Niko Tinbergen—*Basic Bks.*, rev. ed., 255 p., photographs and drawings by author, \$5. Based on observations and experiments, this study shows how the herring gull's brain and nervous system function.

HOW TO CHOOSE AND USE POWER TOOLS—R. J. DeCristoforo—*Arco*, 142 p., illus., \$2.50. Manual for the home workshop, describing the

purpose and best use of stationary, portable and multi-purpose tools.

HUMMINGBIRDS—Betty John—*Follett*, 32 p., illus. by Bill Barss, \$1. For beginning readers.

INTRODUCTORY PLANT PHYSIOLOGY LABORATORY MANUAL—Edwin B. Kurtz, Jr. and Alan M. MacEwan—*Burgess*, 2nd ed., 74 p., paper, \$3. Contains new experiments that require more detailed analysis of results by student.

JOURNAL OF CHEMICAL DOCUMENTATION, Vol. 1, No. 1—Herman Skolnik, Ed.—*Am. Chemical Soc.*, 96 p., paper, \$5.50; 2 issues per year; \$10 annually. Offers new forum for the publication of technical papers of merit.

LABORATORY EXERCISES IN INSECT MICROBIOLOGY AND INSECT PATHOLOGY—Mauro E. Martignoni and Edward A. Steinhaus—*Burgess*, 75 p., illus., paper, \$3. Aims to familiarize students with a few of the relationships existing between insects and microorganisms generally.

MATHEMATICAL BIOPHYSICS: Physico-Mathematical Foundations of Biology, Vols. I and II—N. Rashevsky—*Dover*, 3rd rev. ed., 488 p., 466 p., paper, \$2.50 each. Brings together latest advances in the application of mathematics to the fundamental processes of biological organisms.

MONOPOLY ON WHEELS: Henry Ford and the Selden Automobile Patent—William Greenleaf, foreword by Allan Nevins—*Wayne State Univ. Press*, 302 p., \$5.95. Authoritative and comprehensive account of the wide array of talents that had to be fused to form the foundation for the invention of the automobile, and the history of the famous patent litigation.

OPTICS AND OPTICAL INSTRUMENTS: An Introduction with Special Reference to Practical Applications—B. K. Johnson—*Dover*, 224 p., illus., paper, \$1.65. Reprint of 1947 edition titled: *Practical Optics*.

THE PARASITIC WEAVERBIRDS—Herbert Friedmann—*U. S. National Museum (GPO)*, 196 p., photographs, paper, \$1. On the evolution of brood parasitism in weaverbirds, with detailed descriptions of cuckoo finch, short-tailed and long-tailed widow birds, and paradise widow birds.

PHYSICS, THE PIONEER SCIENCE, Vol. I: Mechanics, Heat, Sound. Vol. II: Light, Electricity—Lloyd W. Taylor—*Dover*, 451 p., 502 p., illus., \$2 each. Unabridged republication of 1941 edition.

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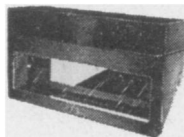
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PUL ELIYA, A VILLAGE IN CEYLON: A Study of Land Tenure and Kinship—E. R. Leach—*Cambridge Univ. Press*, 344 p., illus., \$8. Scholarly contribution to social anthropology, presents detailed analysis of how land is owned, used and transmitted to later generations in an arid plain where habitation depends on elaborate irrigation system.

REFLECTIONS OF THE MOTIVE POWER OF FIRE—Sadi Carnot, introd. by E. Mendoza—*Dover*, 152 p., illus., paper, \$1.50. Includes also papers on the Second Law of Thermodynamics by E. Clapeyron and R. Clausius, first published in 1899.

RESEARCH HIGHLIGHTS OF THE NATIONAL BUREAU OF STANDARDS: Annual Report, Fiscal Year 1960—V. A. Astin, Dir.—*NBS (GPO)*, 189 p., illus., paper, 65¢. Review of research in metrology, radio standards, heat, radiation physics, data-processing systems and many other fields.

SCANDINAVIAN STUDENTS ON AN AMERICAN CAMPUS—William H. Sewell and Oluf M. Davidsen—*Univ. of Minn. Press*, 134 p., \$3.50. Based on intensive, repeated interviews of 40 students from Norway, Denmark and Sweden, enrolled for two years at University of Wisconsin.

SPACE—Marian Tellander—*Follett*, 32 p., illus. by R. Hodgell, \$1. Beginner's book about our solar system.

SPACE FACTS: A Handbook of Basic and Advanced Space Data for Scientists and Engineers—*General Electric, Missile & Space Vehicle Dept.*, 64 p., illus., free upon request direct to publisher, 3198 Chestnut St., Philadelphia 4, Pa. Reference source of most-used data.

TEACHING LEFT-HANDED CHILDREN—Margaret M. Clark—*Philosophical Lib.*, 44 p., illus., \$2.75. The findings of a study published in 1957 by the Scottish Council for Research in Education.

TO THE SUN? OFF ON A COMET! Space Novels—Jules Verne, transl. by Edward Roth—*Dover*, 462 p., illus., paper, \$1.75. Unabridged reprint of Roth translation.

TOBACCO, EXPERIMENTAL AND CLINICAL STUDIES: A Comprehensive Account of the World Literature—P. S. Larson, H. B. Haag and H. Silvette—*William & Wilkins*, 932 p., \$20. Monograph compiled and abstracted from more than 6000 articles on the biological and medical effects of tobacco. Partly supported by grant-in-aid from the Tobacco Industry Research Committee.

TRANSLATIONS OF RUSSIAN GAME REPORTS, Vol. 7: Selections from "Acclimatization of Muskrats in the USSR"—N. P. Lavrov—*Canadian Wildlife Service (Queen's Printer)*, 150 p., maps, paper, \$1. About practical measures and scientific investigations connected with the highly successful experiment of building up the Russian muskrat industry.

• Science News Letter, 79:140 March 4, 1961

Do You Know

More than two-thirds of last year's agricultural exports from the United States went to 14 countries, the largest importer being the United Kingdom.

The "Petrified Forest" in Yellowstone Park contains the remains of about 27 ancient forests, one above the other.

Ambergis, used as a base for the world's choicest perfumes, was once valued at more than its weight in gold.

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Understanding Yourself

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CONTENTS: I. The Human Quest—II. The Framework of the Personality—III. The Chemical Self—IV. Body Management—V. The Headquarters of the Self—VI. Our Strategic Center—VII. Our Cultural Watershed—VIII. The Scars of Childhood—IX. The Fateful Passage—X. Our Psychic Power Plant—XI. Uncovering the Hidden Self—XII. The Mind Finds Wings—XIII. The Windows of the Mind—XIV. Sex, Friend or Enemy—XV. The Supreme Fellowship—XVI. Consider the Stars—Appendix.

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