

# • Books of the Week •

**APPLIED ENERGY CONVERSION: A Text in Power Plant Engineering**—Bernhardt G. A. Skrotzki and William A. Vopat—*McGraw*, 509 p., diags., and illus., \$5. The equipment and economics of industrial and central station power plants and the coordination of equipment for the generation of energy from a physical and economic viewpoint.

**THE BALANCE SHEET OF AGRICULTURE: 1945**—U. S. Department of Agriculture, Bureau of Agricultural Economics—*Government Printing Office*, 44 p., charts and diags., 10 cents. The first of a series of annual reports whose purpose is to contribute to an understanding of the financial condition of agriculture viewed as a single industry.

**BIBLIOGRAPHY OF INDONESIAN PEOPLES AND CULTURES**—Raymond Kennedy—*Yale Univ. Press*, 212 p., maps, \$2.50. Yale Anthropological Studies, Vol. 44.

**BUILDING YOUR MARRIAGE**—Evelyn Millis Duvall—*Public Affairs Committee*, 31 p., illus., 10 cents. A guide for newlyweds and other young people based on research findings by the National Conference on Family Relations, intended to supplement the counsel of family experts, clergymen, and

physicians. Public Affairs Pamphlet No. 113.

**A COMPARATIVE STUDY OF HUMAN REPRODUCTION**—Clellan Stearns Ford—*Yale Univ. Press*, 111 p., \$1.50. Yale University Publications in Anthropology No. 32.

**DIAGNOSTIC PSYCHOLOGICAL TESTING**—David Rapaport, Merton Gill, and Roy Schafer—*Year Book Publishing Co.*, 1088 p., 2 vol., tables, \$6.50. The theory, statistical evaluation and diagnostic application of a battery of tests. The Menninger Clinic Monograph Series, No. 4.

**ELECTRIC CIRCUITS AND MACHINES**—An Introduction to Practical Electricity—Eugene C. Lister—*McGraw*, 358 p., diags. and illus., \$3.50. An overall picture of the electrical field. The mathematics is limited to simple algebra.

**THE EXPERIMENTAL HEALTH PROGRAM OF THE UNITED STATES DEPARTMENT OF AGRICULTURE**—*Senate Committee on Education and Labor*, 166 p., charts, free. An analysis of the six experimental county-wide rural health programs located in counties in Texas, Georgia, Mississippi, New Mexico, Arkansas, and Nebraska.

**ELECTRONS IN ACTION**—James Stokley—*McGraw*, 320 p., diags. and illus., \$3. An account of what electrons are and where they come from and discusses the elements and characteristics of electron tubes and their applications in the many fields of electronics.

**EXPLORING OUR WORLD**—Samuel Ralph Powers, Elsie Flint Neuner, Herbert Bascom Bruner, and John Hodgdon Bradley—*Ginn*, 522 p., illus., \$1.44. Adventuring in Science, Book I. A text book in natural science for use in the grade school, fully illustrated and giving many suggestions for individual projects.

**KEEPERS OF THE CORPORATE CONSCIENCE**—Raymond W. Miller—*Island Press Co-operative*, 19 p., \$1 paper, \$1.50 cloth. A discussion of the public relations of the corporation in America.

**MONOGRAPH OF THE FAMILY MORDELLIDAE (COLEOPTERA) OF NORTH AMERICA, NORTH OF MEXICO**—Emil Liljeblad—*Univ. of Michigan Press*, 229 p., illus., \$2. Miscellaneous Publications, Museum of Zoology, University of Michigan, No. 62.

**PRACTICAL APPLIED ELECTRICITY**—*Coyne Electrical School*, 7 vol., diags., charts, illus., \$19.75. For home study and reference use covering the entire field of electrical installation, operation and maintenance.

**STATISTICAL METHODS**—Applied to Experiments in Agriculture and Biology, by George W. Snedecor—*Iowa State College Press*, 485 p., charts, \$4.50. 4th ed. This book aims to furnish the novice with a smoothly working combination of experimental data and statistical method.

**SURFACE ACTIVE AGENTS**—Theoretical Aspects and Applications—C. B. F. Young and K. W. Coons—*Chemical Publishing Co.*, 380 p., charts and illus., \$6. Information about the origin, effects, and utilization of surface-tension phenomena in a diversity of industrial fields.

**TWO-WAY RADIO**—Samuel Freedman—*Ziff-*

*Davis*, 506 p., diags. and illus., \$5. The mechanics and applications of two-way radio for the different forms of fixed or postable communications are presented non-mathematically for users of such facilities.

**WILEY TRIGONOMETRIC TABLES**—*John Wiley*, 117 p., \$1, 2nd ed. Ten trigonometric tables, to five places, including logarithmic tables, tables of powers and roots, S. and T. tables, frequently used constants, haversines and mils.

*Science News Letter, February 9, 1946*

## ASTRONOMY

### American Astronomer Decorated by Mexico

► DR. HENRY NORRIS RUSSELL, director of Princeton Observatory, was decorated with the Order of the Aztec Eagle, Mexico's highest award to persons outside that country, by Dr. Espinosa de los Monteros, Mexico's Ambassador to the United States, at the dinner of the American Astronomical Society held in New York.

During the dinner, Sr. Luis Enrique Erro, director of the Mexican Astrophysical Observatory at Tonanzintla, Puebla, Mexico, presented a check for \$1,000 to the Henry Norris Russell Lectureship Fund as a gift from Mexico's president, Manuel Avila Camacho, for the establishment of a lectureship honoring the Princeton astronomer. Dr. Harlow Shapley, president of the American Astronomical Society, received the check as chairman of the lectureship fund. Dr. Shapley, director of the Harvard Observatory, is also a member of the Order of the Aztec Eagle.

In decorating Dr. Russell, the Mexican Ambassador cited the American astronomer for his contributions to astronomical science and for his cooperation with Mexican astronomers and his interest in the Mexican people.

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*Carbonyl iron powder*, first made in this country in 1941, has unusual magnetic and electrical properties, it is claimed, that make it ideal for use in manufacturing electro-magnetic devices.

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