

# Books of the Week

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**EMPLOYMENT, RACE AND POVERTY**—Arthur M. Ross and Herbert Hill, Eds.—Harcourt, 598 p., \$7.50. A critical study of discrimination in American employment, by a group of social scientists.

**ENVIRONMENTAL SCIENCE & TECHNOLOGY**, Vol. I, No. 1—James J. Morgan, Ed.—Am. Chemical Soc., 104 p., illus., paper, \$1; monthly, \$7 annually. Reports on chemical research pertaining to water quality, air pollution phenomena and their control, and the technology of domestic and industrial water and waste treatment.

**THE EVOLUTION OF RUSSIA**—Otto Hoetzsch, transl. from German by Rhys Evans—Harcourt, 214 p., 160 illus., maps, \$5.50. A history of Russian civilization from the year 862 to 1945.

**THE FLIGHT OF THE UNICORNS**—Anthony Shepherd; foreword by Maurice A. Machris—Abelard-Schuman, 207 p., plates, map, \$5. This book is the diary of an expedition to save the rare oryx, the unicorn of the fable, from extinction in its last retreat in the Arabian Desert.

**HERITAGE FROM MENDEL**—R. Alexander Brink, Ed., with E. Derek Styles—Univ. of Wis. Press, 455 p., plates, diagrams, \$10; paper, \$2.95. These essays cover the wide range spanned by current-day genetics and they show that scientific advancement since 1865 has displayed neither Mendel's main concept of inheritance nor his methodology.

**AN HISTORICAL ATLAS OF CHINA**—Albert Herrmann; Norton Ginsburg, Ed., prefatory essay by Paul Wheatley—Aldine Pub. Co., new ed., 32 p. text, 88 p. maps, \$12.50. Based on Historical and Commercial Atlas of China, published in 1935, the maps are redrafted with new cartographic techniques, and new economic and cultural maps of modern and contemporary China are added.

**A HISTORY OF THE THERMOMETER** and Its Use in Meteorology—W. E. Knowles Middleton—Johns Hopkins Press, 249 p., illus., \$10. Follows the development of indicating and recording thermometers until recent times, and gives fully documented background of the early claims and counter claims and controversy of the Fahrenheit and centigrade scales.

**IN THE STEPS OF THE GREAT AMERICAN ENTOMOLOGIST**, Frank Eugene Lutz—John Pallister—Evans, M. (Lippincott), 128 p., illus. by Kathleen Elgin, \$3.25. Biography and project ideas for boys and girls.

**IN THE STEPS OF THE GREAT AMERICAN ZOOLOGIST**, William Temple Hornaday—John Ripley Forbes—Evans, M. (Lippincott), 128 p., illus. by Kathleen Elgin, \$3.25. Juvenile biography, with suggestions for projects in observing animal life.

**INTRODUCTION TO GENETICS**—Norman A. Crowder—Doubleday, 270 p., illus., \$5.95. A Tutor-Text programmed instruction book designed for self-study of the principles of modern genetics.

**INTRODUCTION TO MOLECULAR BIOLOGICAL TECHNIQUES**—L. Jack Bradshaw—Prentice-Hall, 171 p., diagrams, \$4.25. Intended for undergraduate majors in biology with a background in general chemistry and physics.

**MARVELS OF MEDICAL ENGINEERING**—Norman Carlisle and Jon Carlisle—Sterling Pub. Co., 144 p., photographs, \$3.95. Introduces young people to the more dramatic applications of technical know-how to medicine, such as electronic diagnosis, thermography, artificial kidneys and heart pacemakers.

**MASSACRE OF THE ELEPHANTS**—Dennis Holman—Holt, 247 p., photographs, \$5.95. Story

of a successful antipoaching campaign in one of the game sanctuaries in Kenya.

**MICROSCOPY FOR CHEMISTS**—Harold F. Schaeffer—Dover, 264 p., illus., paper, \$2. Reprint (1953).

**MICROWAVE SPECTROSCOPY**—Walter Gordy, William V. Smith and Ralph F. Trambarulo—Dover, 446 p., illus., paper, \$3. Reprint (1953).

**PACIFIC CRUSTACEA: An Illustrated Handbook on the Reef-dwelling Crustacea of Hawaii and the South Seas**—Spencer Wilkie Tinker—Tuttle, Chas. E., 134 p., photographs, \$4.95. This guide to the lobsters, shrimp and crabs of the tropical West Pacific, depicts and describes 52 species for the amateur scientist and student.

**POCKET DATA BOOK: U.S.A. 1967**—Edwin D. Goldfield Dir.—Bureau of the Census (GPO), 368 p., graphs, paper, \$1.50. A popular summary and tables of trends and changes in U.S. statistics.

**PRINCIPLES OF AGRONOMY**—Lorentz C. Pearson—Reinhold, 434 p., illus., \$9.50. Textbook for a course in general agronomy, stressing the basic principles of crop production, with section on field crops.

**PROBLEMS IN ENGINEERING SOILS**—P. Leonard Capper, W. Fisher Cassie, and J. D. Geddes—Spon Ltd. (Barnes & Noble), 183 p., diagrams, \$5.75; paper, \$3.50. Enables the student to test and improve his knowledge of the principles of soil mechanics through graded examples, each worked through to its numerical result.

**SAFER SKYWAYS: Federal Control of Aviation, 1926-1966**—Donald R. Whitnah—Iowa State Univ. Press, 417 p., photographs, \$7.50. Annotated examination of the development, services, reorganization, internal security measures, post-war expansion and record of the Civil Aeronautics Board.

**SPACECRAFT STERILIZATION TECHNOLOGY**—Homer E. Newell and others—NASA (GPO), 630 p., illus., paper, \$2.25. Papers and discussion range from general sterilization requirements to sterilization of Voyager capsule.

**THE TELEVISION MAN: The story of John Logie Baird**—John Rowland—Roy Pubs., 143 p., \$3.50. Juvenile biography of a British inventor.

**TOPICS IN RECREATIONAL MATHEMATICS**—J. H. Cadwell—Cambridge Univ. Press, 180 p., diagrams, \$6.50. Written to show the fascination and beauty of mathematical ideas, topics range from distribution of prime numbers among the integers to the enumeration of the 17 distinct types wallpaper pattern.

**TOPICS IN THE BIOLOGY OF AGING**—Peter L. Krohn, Ed.—Interscience, 177 p., illus., \$9.75. Contributions of a symposium held at the Salk Institute for Biological Studies in 1965, covering such subjects as aging of microorganisms and insects; radiation damage, chromosome breakage and aging; and tissue transplantation.

**TRANSACTIONS OF THE AMERICAN NEUROLOGICAL ASSOCIATION 1966**—Melvin D. Yahr, Ed.—Springer Pub. Co., 400 p., \$12. Papers range from discussion of antecedents of temporal lobe epilepsy to conversion hysteria after brain injury.

**WATCHING FOR THE WIND: The Seen and Unseen Influences on Local Weather**—James G. Edinger—Doubleday, 148 p., illus., \$4.50; paper, \$1.25. For the amateur meteorologist, the book describes the patterns and meanings of weather in the making, from terrain as a sculptor of the wind to wildfire and the Santa Ana.

**WEST INDIES**—Philip Sherlock—Walker & Co., 215 p., 75 illus., maps, \$6.50. A Caribbean scholar compares and analyzes the diverse cultural influences on the islands which make up the West Indies, linked by a common history.

**THE WORLD OF THE PORCUPINE**—David F. Costello—Lippincott, 157 p., photographs by author, \$4.95. Based on 15 years of study and observation, the book describes in detail the seasonal habits of the porcupine, with extensive bibliography.

**YOUNG PEOPLE OF CENTRAL EUROPE**—Charles R. Joy—Duell, 206 p., map, \$4.95. A friendly introduction to how young people think and talk about their lives in such countries as Austria, Rumania, Czechoslovakia and Finland.

## Textbooks

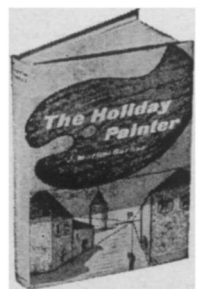
**BASIC MICROSCOPIC TECHNICS**—Ruth McClung Jones—Univ. of Chicago Press, 334 p., illus., \$6.50. Based on Michael F. Guyer's classic manual ANIMAL MICROLOGY (1906), this modern textbook offers broad range of basic methods, for laboratory workers and students in the biological sciences.

**CONTEMPORARY SOCIAL PROBLEMS**—Robert K. Merton and Robert A. Nisbet, Eds.—Harcourt, 2nd ed., 847 p., \$12.50. Intended as a text for undergraduate students, new edition deals with three additional causes of social disorganization—alcohol, poverty, and war and disarmament.

**PHYSICAL SCIENCE, ITS STRUCTURE AND DEVELOPMENT**, Vol. 1: From Geometric Astronomy to the Mechanical Theory of Heat—Edwin C. Kemble—M.I.T. Press, 498 p., photographs, diagrams, \$7.95. An introductory textbook with emphasis on physics, giving full account of its debt to astronomy and chemistry, and of the interaction between science and technology.

**SEMICONDUCTOR DEVICES: Vol. 1: Semiconductors and Semiconductor Diodes**—Academic Press, 313 p., diagrams, \$12.50. This text presents the basic theory and technology of semiconductors and semiconductor diodes for engineers and physicists, including 100 problems and more than 400 references up to the end of 1965.

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