

# 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.

**ACCREDITATION IN HIGHER EDUCATION**—Lloyd E. Blanch, Ed.—*U. S. Office of Educ. (Govt. Print. Off.)*, 247 p., paper, \$2.50. Brings together formerly widely scattered information in a modern reference source on accreditation.

**THE AUTOBIOGRAPHY OF CHARLES DARWIN AND SELECTED LETTERS**—Francis Darwin, Ed.—*Dover*, 365 p., paper, \$1.65. Reprint of first U. S. 1892 edition published by Darwin's son.

**BIG MAC: The Building of the World's Biggest Bridge**—Dirk Gringhuis—*Macmillan*, 32 p., illus. by author, \$2.50. Ages 8-12.

**THE COMPTON YEARBOOK FOR 1959**—Leroy Hayman, Ed.—*Compton*, 288 p., illus., paper, \$6. A summary and interpretation of the events of 1958. Supplements Compton's Pictured Encyclopedia, science articles written by Science Service.

**THE DESIGN OF LAND DRAINAGE WORKS**—Roland Berkeley Thorn—*Butterworths (Canada)*, 235 p., illus., \$7. Collection of papers selected, annotated and arranged in the form of a design handbook.

**DICTIONARY OF GUIDED MISSILES AND SPACE FLIGHT**—Grayson Merrill, Ed., C. W. Besserer, Kraft A. Ehrlicke and Ballard B. Small, Contrib. Eds.—*Van Nostrand*, 688 p., illus., \$17.50. Compendium of commonly used terms, their definitions and explanatory statements, covering aerodynamics, astrodynamics, electronics, astronomy and physics.

**THE DOCTOR WHO DARED: William Osler**—Iris Noble—*Messner*, 192 p., \$2.95. Biography for young people.

**EARTHQUAKE HISTORY OF THE UNITED STATES, Part 1: Continental United States and Alaska (Exclusive of California and Western Nevada)**—N. H. Heck, rev. through 1956 by R. A. Eppley—*Govt. Print. Off.* for U. S. Coast & Geodetic Survey, 80 p., map, paper, 60¢.

**ELEPHANTS: A Short Account of their Natural History, Evolution and Influence on Mankind**—Richard Carrington—*Basic Bks*, 272 p., illus.,

\$5. Comprehensive survey of elephant science and elephant lore.

**EVERYDAY LIFE IN EGYPT: In the Days of Rameses the Great**—Pierre Montet, transl. from French by A. R. Maxwell-Hyslop and Margaret S. Drower—*St Martins*, 365 p., illus., \$8. Reconstructs life during the 19th and 20th dynasties (c. 1320-1100 B.C.) from papyri and evidence of buildings.

**FAMILY AND CLASS DYNAMICS IN MENTAL ILLNESS**—Jerome K. Myers and Bertram H. Roberts—*Wiley*, 295 p., \$6.95. Investigates the relationship of social and psychodynamic forces to psychiatric illness in the lower middle and lower classes.

**FORERUNNERS OF DARWIN: 1745-1859**—Bentley Glass, Owsei Temkin and William L. Straus, Jr., Eds.—*Johns Hopkins Press*, 471 p., illus., \$6.50. Of the scientists and philosophers whose writings played a major role in making Darwin's achievement possible.

**THE INDIVIDUAL AND THE UNIVERSE**—A. C. B. Lovell—*Harper*, 111 p., illus., \$3. Survey of advances in astronomy, from Galileo to the development of radio telescopes, including discussion of various theories of the origin of the universe.

**LESSONS OF THE RECESSIONS**—W. S. & E. S. Woytinsky—*Public Affairs Inst.*, 102 p., illus., paper, \$2. Analysis of three postwar recessions and recommendations for preventing future recessions.

**LET THERE BE LIGHT**—Lillian J. Bragdon—*Lippincott*, 91 p., illus., by Leonard Shortall, \$2.75. Acquaints young boys and girls with man's effort to conquer darkness.

**LET'S GO FOR A NATURE WALK**—Joan Rosner—*Putnam*, 48 p., illus. by Betty Harrington, \$1.95. Tells of what young boys and girls can observe about trees, flowers, insects, birds and minerals.

**LIVING EARTH**—Peter Farb—*Harper*, 178 p., photographs by Roman Vishniac, drawings by Louise Katz, \$3.75. Of the hidden world of grubs, nematodes, termites, earthworms and others working in the soil.

**NATIONAL SCIENCE FOUNDATION, NATIONAL ACADEMY OF SCIENCES: Report on the International Geophysical Year**—Joseph Kaplan and others—*Committee on Appropriations Hearings*, 86th Congress, 200 p., illus., paper, free upon request direct to Committee, House of Repres.,

Washington 25, D. C. Review of Antarctic program, research on cosmic rays, gravity, meteorology, oceanography, satellites and other phases of the IGY.

**NATURAL RESOURCES: Their Protection and Development**—Dewey Anderson and Associates—*Public Affairs Inst.*, 48 p., paper, 50¢. Review of our conservation program with a view to the next 50 years.

**NAVY SURGEON**—Herbert Lamont Pugh—*Lippincott*, 459 p., illus., \$5. Autobiography of Rear Admiral Pugh, ex-Surgeon General of the U. S. Navy.

**OUR GROWING WATER PROBLEMS**—R. G. Lynch—*National Wildlife Federation*, 61 p., paper, single copies free upon request direct to publisher, 232 Carroll St., NW, Washington 12, D. C.

**POLYMERS AND RESINS: Their Chemistry and Chemical Engineering**—Brage Golding—*Van Nostrand*, 744 p., illus., \$15. Comprehensive volume covering the theory, chemistry, properties, fabrication and application of commercial polymers and resins.

**POPULATION PRESSURES IN AFRICA SOUTH OF THE SAHARA**—Richard W. Stephens—*George Washington Univ.*, 48 p., paper, \$1. Focuses on the various problems raised by the increasing pressure of population on the resources of this region.

**PREHISTORIC LIFE**—Matthew F. Vessel and Herbert H. Wong—*Fearon*, 16 p., illus., paper, 75¢. Science education material explaining fossil formation and identification, with "Time Table of the Earth" chart.

**PROFESSIONAL CREATIVITY**—Eugene K. Von Fange—*Prentice-Hall*, 260 p., \$4.95. Shows how creative talent may be more fully used, and discusses in detail the planning of creative work, based on experience gained in conducting creative engineering classes at the General Electric Company.

**PROGRAM FOR COLLEGE PREPARATORY MATHEMATICS**—Commission on Mathematics, Albert W. Tucker, Chmn.—*College Entrance Examination Bd*, 63 p., paper, \$1. Proposes the kind of mathematics which should be studied by today's college-bound American youth.

**RESEARCH IN SPACE SCIENCE: Special Report No. 22**—Yoshihide Kozai—*Smithsonian Astrophysical Observatory*, 10 p., paper, single copies free upon request direct to Observatory, Cambridge 38, Mass.

**SCIENCE, GRADES K-6, Vol. 2: Earth in Space**—Florence S. Beaumont and others—*Bd. of Educ., City of N. Y.*, 55 p., illus., paper, 50¢. Handbook for grade school science teaching, emphasizing child's direct observations. Bibliography of books and filmstrips included.

**SCIENCE INFORMATION NEWS, Vol. I, No. 1**—National Science Foundation—*Govt. Print. Off.*, 16 p., paper, 25¢, annual subscription \$1.25. Reporting national and international developments in scientific and technical information.

**SELECTED MATERIALS ON ATOMIC ENERGY PATENTS, Vol. I**—U. S. Congress, Jt. Comm. on Atomic Energy—*Govt. Print. Off.*, 289 p., paper, 70¢. Background information for public hearings, including draft of legislation prepared by AEC, which would extend compulsory licensing requirement for five years.

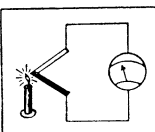
**SELECTED MATERIALS ON FEDERAL-STATE CO-OPERATION IN THE ATOMIC ENERGY FIELD**—U. S. Congress, Jt. Comm. on Atomic Energy—*Govt. Print. Off.*, 520 p., paper, \$1.50. Contains previously unpublished study "Federal and State Responsibilities for Radiation Protection: The Need for Federal Legislation."

**SOUND AND ULTRASONICS**—Robert Irving—*Knopf*, 150 p., illus. by Leonard Everett Fisher, \$2.75. Explains the phenomena of sound, illustrated with simple experiments. 10 years and up.

(Continued on page 286)

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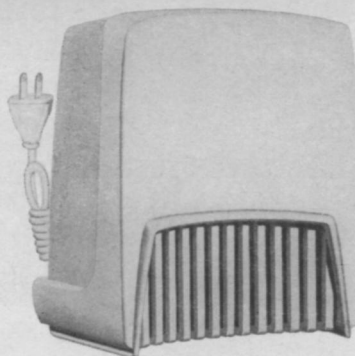
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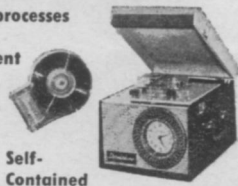
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## Books of the Week

(Continued from page 284)

SOVIET SPACE SCIENCE—Ari Shternfeld, foreword and epilogue by Willy Ley—transl. from Russian by Tech. Doc. Liaison Off., U. S. Air Force—Basic Bks, rev. ed., 361 p., illus., \$6. A survey of astronautics from the Russian point of view. Acquaints reader with Russian work and plans up to the end of 1957.

STATISTICAL YEARBOOK 1958—U. N. Statistical Office—United Nations (Columbia Univ. Press), 10th ed., \$8, paper: \$6.50. Over 150 countries or territories submitted their national statistics for inclusion, making this the most comprehensive yearbook in the series.

THE STORY OF THE PLATYPUS—Alfred G. Milotte—Knopf, 114 p., illus. by Helen Damrosch Tee-Van, \$2.75. Story of one of Australia's "living fossils" for young readers 9-12.

THIRTY YEARS OF RESEARCH IN HUMAN FERTILITY: Retrospect and Prospect—John Hajnal and others, foreword by Frank G. Boudreau and Clyde V. Kiser—Milbank, 157 p., paper, \$1. Papers presented at the 1958 Annual Conference of the Milbank Memorial Fund.

TOMMORROW, THE MOON! Planes, Missiles, Satellites, Space Travel—Abraham and Rebecca B. Marcus—Prentice-Hall, 150 p., illus., \$3.50. Presents the complexities of space technology in simple language for the general reader.

TOXICOLOGY AND APPLIED PHARMACOLOGY, Vol. I, No. 1—Harry W. Hays, Frederick Coulston and Arnold J. Lehman, Eds.—Academic, 118 p., paper, bi-monthly, 6 issues \$13. For toxicologists, biochemists, nutritionists, veterinarians and others.

THE UNKNOWN OCEAN—Amabel Williams-Ellis—Putnam, 72 p., illus. by Robert Eggers, \$2. Introduces boys and girls to ocean life and explorations.

VOLCANOES AND GLACIERS: The Challenge of Iceland—Sturges F. Cary—Coward-McCann, 96 p., illus., \$2.50. Gives young people an idea of Iceland and its importance to the United States.

WHITEFOOT MOUSE—Barbara and Russell F. Peterson—Holiday, 53 p., illus. by Russell F. Peterson, \$2.50. The story of a woodland community at night in winter told for young children.

WHO LIVES IN A FIELD—Duryea Morton—Coward-McCann, 127 p., illus. by Douglas Howland, \$3. Of the habits and encounters of small field animals, told for ages 7-11.

THE WORLD OF INSECTS—Paul Pesson, transl. from French by R. B. Freeman—McGraw, 204 p., 225 photographs, \$15. Exciting color photography makes this a beautiful book about those highly diversified and prolific creatures which make up two thirds of all animal species in existence.

WORLD POPULATION PRESSURES—Harold L. Geisert—George Washington Univ., 46 p., paper, \$1. General introduction, correlating the social and cultural with the demographic and economic characteristics of underdeveloped countries.

Science News Letter, May 2, 1959

## Questions

BIOLOGY—What two animals are helping scientists study atherosclerosis? p. 275.

MINERALOGY—Why does labuntsovite interest earth scientists? p. 279.

PHYSIOLOGY—What chemicals do bananas contain that mosquitoes need? p. 277.

Photographs: Cover, Woods Hole Oceanographic Institution; p. 275, Veterans Administration; p. 279, Reichhold Chemicals, Inc.; p. 282, Government of Norway; p. 288, Eastman Chemical Products, Inc.