

# 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.

**ADVANCES IN GEOPHYSICS**, Vol. 9—H. E. Landsburg and J. Van Mieghem, Eds.—*Academic Press*, 374 p., \$14.50. Contains contributions on identification of aerosols and on celestial geodesy.

**ADVANCES IN NUCLEAR SCIENCE AND TECHNOLOGY**, Vol. 1—Ernest J. Henley and Herbert Kouts, Eds.—*Academic Press*, 355 p., illus., \$12. Critical review articles cover subjects such as thermodynamic analysis of nuclear power stations, and diffusion in uranium, its alloys and compounds.

**AMERICA AND THE WORLD REVOLUTION** and other Lectures—Arnold J. Toynbee—*Oxford Univ. Press*, 231 p., \$4.75. Historian looks at America's place in contemporary history.

**THE AMERICAN HERITAGE HISTORY OF FLIGHT**—Arthur Gordon and others, introd. by Carl Spaatz and Ira C. Eaker—*Am. Heritage (Simon & Schuster)*, 416 p., 450 illus., \$15; \$11.95 before Christmas. Many historical pictures and a readable narrative make this an interesting record of human flight, from early dream to orbit in space.

**ASTRONOMY IN ACTION**—Robert S. Richardson—*McGraw*, 191 p., illus. by G. Schrotter, photographs, \$3.95. Written by astronomer,

book gives young people some idea about astronomy as a profession and how to prepare for it.

**BATS**—Glover Morrill Allen—*Dover*, 368 p., illus., paper, \$2. Unabridged reprint (1939).

**BIOLOGY OF VIRUSES OF THE TICK-BORNE ENCEPHALITIS COMPLEX**—Helena Libikova, Ed.—*Czechoslovak Acad. of Sciences (Academic Press)*, 436 p., illus., \$12. Proceedings of Symposium held in Smolenice, October 11-14, 1960.

**BOATS OVERLAND**—Roger Pilkington—*Abelard-Schuman*, 61 p., illus. by David Knight, \$2.95. A little history of canals for young people.

**CALCULUS**, Vol. II: Calculus of Several Variables with Applications to Probability and Vector Analysis—*Blaisdell*, 525 p., diagrams, \$8.50.

**DRUG ADDICTION: A Clinical Problem**—Lawrence Kolb—*Thomas, C. C.*, 183 p., illus., \$7.25. Based on author's 40-year study of addicts, focusing on the kinds of persons who become addicts and the effect of narcotics upon them.

**THE ELECTRICAL GENIUS OF LIBERTY HALL: Charles Proteus Steinmetz**—Floyd Miller, foreword by Clyde Wagoner—*McGraw*, 126 p., photographs, \$3. Juvenile biography.

**ERGODIC THEORIES: Proceedings of the International School of Physics "Enrico Fermi"**, Course XIV—P. Caldirola, Ed.—*Academic Press*, 241 p., \$7.50.

**EXPERIMENTAL PHYSICS FOR YOUNG PEOPLE**—Alexander Efron—*Rider, J. F.*, 144 p., illus., \$3.45. Designed to give boys and girls a basic

understanding of physics through a series of more than 100 experiments.

**EXPLORATIONS IN PERSONALITY: A Clinical and Experimental Study of Fifty Men of College Age**—Henry A. Murray, Harvard Psychological Clinic—*Science Editions*, 761 p., illus., paper, \$2.45. Reprint (1938).

**EXPLORING THE FOREST**—John and Jane Greverus Perry—*Whittlesey House*, 192 p., illus. by Stephen Kraft, \$3.50. Informative and readable account about the various kinds of forests and their ecology.

**THE EYE**, Vol. 4: Visual Optics and the Optical Space Sense—Hugh Davson, Ed.—*Academic Press*, 432 p., diagrams, \$14. Treatise and advanced text of value to research workers in all branches of ocular physiology.

**A PHYSICAL THEORY OF THE LIVING STATE: The Association-Induction Hypothesis**—Gilbert Ning Ling—*Blaisdell*, 680 p., illus., \$17.50. Reports on experimental work on the interactions of proteins, salts and water, and attempts a unified theory of life processes at the molecular level.

**PHYSICOMATHEMATICAL ASPECTS OF BIOLOGY**—N. Rashevsky, Ed.—*Academic Press*, 524 p., \$16. Proceedings of the International Summer School "Enrico Fermi" of the Italian Physical Society, Course XVI.

**PSYCHOLOGICAL DEVELOPMENT IN HEALTH AND DISEASE**—George L. Engel—*Saunders*, 435 p., \$7.50. Medical textbook, attempts synthesis of human behavior in health and disease.

**SCIENCE AND GOVERNMENT: The Godkin Lectures at Harvard University, 1960**, with New Appendix—C. P. Snow—*New Am. Lib.*, 128 p., paper, 60¢. New essay by author comments on the controversy that ensued when his views were first published.

**SCIENCE AND RELIGION: An Interpretation of Two Communities**—Harold K. Schilling—*Scribner*, 272 p., \$4.50. The author, a physicist, analyzes the key aspects of science and religion, and finds them potentially complementary and mutually helpful.

**SCIENCE AND THE SAFE PERIOD: A Compendium of Human Reproduction**—Carl G. Hartman—*Williams & Wilkins*, 294 p., illus., \$12. Brief and comprehensive volume covering the basic principles of mammalian reproduction, with special reference to man.

**THE STATISTICAL METHOD IN BUSINESS: Applications of Probability and Inference to Business and Other Problems**—Frederick A. Ekeblad—*Wiley*, 792 p., illus., \$8.50. Deals with the underlying philosophy of the statistical method and relates it to familiar business experiences.

**THE SAVORY WILD MUSHROOM: A Pacific Northwest Guide**—Margaret McKenny with D. E. Stuntz—*Univ. of Wash. Press*, 133 p., photographs, paper, \$3.95.

(Continued on p. 326)

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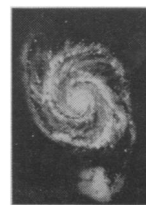
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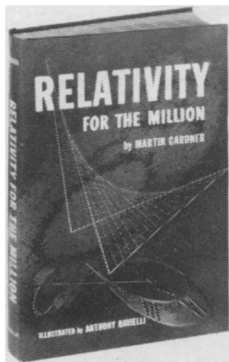
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**Books of the Week**

(Continued from p. 324)

**STRANGE WORLD OF THE MOON:** An Inquiry into its Physical Features and the Possibility of Life—V. A. Firsoff—*Science Editions*, 226 p., illus., paper, \$1.65. Reprint (1959), contains wealth of up-to-date information.

**A STUDY OF THINKING**—Jerome S. Bruner, Jacqueline J. Goodnow and the late George A. Austin—*Science Editions*, 330 p., paper, \$1.95. Reprint (1956), investigates the thought processes with original experiments.

**THINGS THAT MEASURE**—Philip B. Carona—*Prentice-Hall*, 72 p., illus. by John Kaufmann, \$2.95. Introduces boys and girls to all kinds of measurement, with glossary.

**THOREAU'S GUIDE TO CAPE COD**—Alexander B. Adams, Ed.—*Devin-Adair*, 148 p., illus., photographs by editor, \$4.50. Includes biographical sketch of Thoreau by Ralph Waldo Emerson.

**THE TYRANNY OF TESTING**—Banesch Hoffmann, foreword by Jacques Barzun—*Crowell-Collier*, 223 p., \$3.95. A critical look at present methods of testing aptitude and talent. Amazingly, the pioneering of the Science Talent Search in developing tests of scientific ability is ignored.

**UNDER THE MOUNTAIN WALL: A Chronicle of Two Seasons in the Stone Age**—Peter Matthiesson—*Viking*, 288 p., 85 photographs, \$7.50. An account of the life of a people untouched by civilization, studied during two seasons by the Harvard Peabody Expedition to New Guinea.

**U.S. CIVIL AIRCRAFT, Vol. 1 (ATC 1 - ATC 100)**—Joseph P. Juptner, Ed.—*Aero Pubs.*, 254 p., 316 photographs, \$7.50. Covers aircraft approved and manufactured in 1927, 1928 and 1929.

**VAN NOSTRAND'S CONCISE STUDENT DICTIONARY: French-English, English-French**—Jean-Paul Vinay, Pierre Daviault and Henry Alexander—*Van Nostrand*, 862 p., \$5.95. Includes idioms peculiar to the U.S. and Canada.

**WONDERS OF THE BEETLE WORLD**—Sigmund A. Lavine—*Dodd*, 62 p., illus. by Margaret Cosgrove, \$3. For boys and girls.

**WONDERS OF THE WEATHER**—Tex Antoine—*Dodd*, 64 p., illus. by author, \$3. Amusingly and graphically illustrated explanations of how weather "works".

**WORLD SPACE DIRECTORY, Vol. I, No. 1**—Donald W. Dean, Ed.—*Am. Aviation Pubs.*, 378 p., paper, \$10. Lists U.S. and foreign missile/space companies, officials and government agencies, manufacturers, academic and non-profit organizations, missiles and spacecraft log.

• Science News Letter, 82:324 November 17, 1962

*Do You Know?*

The Bornean Earless Monitor lizard can see with its eyes closed.

During the past seven years, almost 100 million persons have received inactivated polio vaccine.

Birds sing for an average of 18 hours daily during most of the year.

A new telescope has a 240-inch focal length, but is only 45 inches long.

A compact electronic device with the ability to "see" and identify three-dimensional objects has been developed.

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