

# 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.

**AIDS TO WORKSHOP PRACTICE**—C. T. Bower—*Odham's Press (Macmillan)*, 192 p., illus., \$3.75. Over 260 workshop ideas, gadgets, and hints for the engineer, mechanic and tool user generally.

**THE AIR**—Edgar B. Schieldrop, foreword by Lord Brabazon of Tara—*Philosophical Lib.*, 2nd ed. 256 p., illus., \$12. The story of mechanical flight, second of a series on The Conquest of Space and Time.

**THE ALGEBRA OF ELECTRONICS**—Chester H. Page—*Van Nostrand*, 258 p., \$8.75. A guide to basic understanding of circuits, equations that can be derived, and more than 100 problems with methods and answers.

**CHANCE AND PROVIDENCE: God's Action in a World Governed by Scientific Law**—William G. Pollard—*Scribner*, 190 p., \$3.50. The author is Executive Director of the Oak Ridge Institute of Nuclear Studies.

**CHRONIC RADIATION HAZARDS: An Experimental Study with Fast Neutrons**—G. J. Neary, R. J. Munson and R. H. Mole—*Pergamon*, 191 p., illus., \$7.50. Monograph describes a large-scale experiment on the environmental hazards of ionizing radiation.

**CLINICAL EPIDEMIOLOGY**—John R. Paul—*Univ. of Chicago Press*, 291 p., \$5. Deals with the general circumstances under which people get sick, such as immunologic, toxicologic, social and climatic conditions.

**COLLECTING, PRESERVING AND STUDYING INSECTS**—Harold Oldroyd—*Macmillan*, 327 p., illus., \$5. Reference work discussing equipment and methods used in building up a collection of insects.

**COLLEGE ALGEBRA**—Thurman S. Peterson—*Harper*, 2nd ed., 413 p., \$4. More complete and rigorous foundation course in algebra.

**DUST**—Irving Adler—*Day*, 122 p., illus. by Ruth Adler, \$3. Simply told story of the "stuff of the universe," from the dust in a room to the particles that dim the stars.

**THE ECOLOGY OF THE MEDICAL STUDENT**—Helen Hofer Gee, Robert J. Glaser, and E. Shepley Nourse, Eds.—*Assn. of Am. Medical Colleges*, 262 p., \$3, paper \$2. Report of the Fifth AAMC Teaching Institute.

**EDUCATION DIRECTORY 1958-1959, Part II: Counties and Cities**—Office of Education—*Govt. Printing Office*, 99 p., paper, 45¢. Lists superintendents of public and parochial schools.

**ELECTROANALYTICAL CHEMISTRY**—James J. Lingane—*Interscience*, 2nd rev. ed., 669 p., illus., \$14.50. New chapters on polarography, amperometry and chronopotentiometry.

**ELECTRONIC AVIGATION ENGINEERING**—Peter C. Sandretto—*International Tel. & Tel. Corp.*, 770 p., illus., \$9.50. On the electronic devices that guide aircraft from one point to another.

**ELEMENTARY MATRIX ALGEBRA**—Franz E. Hohn—*Macmillan*, 305 p., \$10. Junior-senior level textbook with many examples of applications of matrix algebra.

**EPILEPSY**—Manfred Sakel, preface by Otto Poetzl—*Philosophical Lib.*, 204 p., \$5. Last work of the late author who discovered the insulin "shock" treatment of mental illness.

**HANDBOOK FOR OBSERVING THE SATELLITES**—N. E. Howard—*Crowell*, 137 p., illus., \$2.50. Covers the various aspect of the Operation Moonwatch program, and tells how to use telescopes which you can construct yourself.

**MEN OF SCIENCE IN AMERICA**—Bernard Jaffe

—*Simon & Schuster*, rev. ed., 715 p., illus., \$6.95. The story of American science told through the lives and achievements of twenty outstanding men.

**MOUNTAINS IN THE SEA: The Story of the Gough Island Expedition**—Martin Holdgate, foreword by H.R.H. Prince Philip, Duke of Edinburgh, preface by J. B. Heaney—*St. Martin's*, 222 p., illus., \$5.50. Scientific survey of life on an island in the South Atlantic.

**OUTLINES OF ENZYME CHEMISTRY**—J. B. Neilands and Paul K. Stumpf, with chapter on Synthesis of Enzymes by Roger Y. Stanier—*Wiley*, 2nd ed., 411 p., illus., \$8.50. Stresses basic principles and lists important properties of more than 500 enzymes.

**PET BOOK**—A. Barton—*Hart Pub. Co.*, 128 p., illus. by Lillian Oblgado, \$2.75. A veterinarian tells boys and girls how to choose and treat dogs, cats, parakeets, hamsters, turtles, horses and other pets.

**ROCKET TO THE MOON**—Erik Bergaust and Seabrook Hull, introd. by Wernher von Braun—*Van Nostrand*, 270 p., illus., \$5.95. Of the complex technical problems involved in escape from the earth and the approach to the moon and beyond.

**ROCKETRY AND SPACE EXPLORATION**—Andrew G. Haley, foreword by Theodore von Karman—*Van Nostrand*, 334 p., 170 illus., \$6.75. On the development of international rocketry, from the V-2 to the X-15 and the satellites, of interest both to the specialist and to the rocket amateur.

**SAY IT IN RUSSIAN**—N. C. Stepanoff—*Dover*, 3rd rev. ed., paper, 75¢. Pocket phrase book for travel needs.

**THE SCIENCE OF PHOTOGRAPHY**—H. Baines—*Wiley*, 319 p., illus., \$7.50. Introduction to photographic theory in language which the ordinary photographer can understand.

**SCIENTIFIC WONDERS OF THE ATOMIC AGE**—John W. R. Taylor, Ed., foreword by Sir John D. Cockcroft—*Macdonald & Co. (British Bk Centre)*, 128 p., illus., \$2.95. Introduces the general reader to recent accomplishments of applied science.

**SOCIAL AND PSYCHOLOGICAL FACTORS AFFECTING FERTILITY, Vol. V**—P. K. Whelpton and Clyde V. Kiser, Eds.—*Milbank Memorial Fund*, 290 p., paper, \$1. Concluding report and summary of chief findings from the Indianapolis study.

Science News Letter, December 20, 1958

## ASTRONOMY

### Moon Camera "Fixes" Moon for Space Probes

See Front Cover

➤ IN ORDER to achieve accuracy in man's space probes, devices such as the dual-rate moon position camera and telescope are used to photograph the moon and surrounding stars simultaneously. (See SNL, May 16, 1953, p. 314, June 22, 1957, p. 390 and Jan. 25, p. 51.)

The photograph on the cover of this week's SCIENCE NEWS LETTER shows the position of the moon as "fixed" by some of the stars around it.

Science News Letter, December 20, 1958

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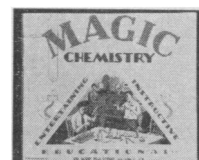
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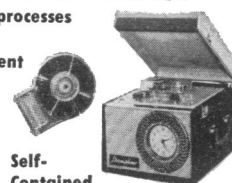
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