

# Books of the Week

For the editorial information of our readers, books received for review are listed. For convenience purchase of any U. S. Book in print, priced at 95¢ or over, 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.

**THE AERODYNAMICS OF POWERED FLIGHT**—Robert L. Carroll—*Wiley*, 275 p., \$8.50. Logical and modern introductory course in aerodynamics.

**AMERICAN BUILDING ART: The Nineteenth Century**—Carl W. Condit—*Oxford Univ. Press*, 371 p., illus., \$12.50. History of structural forms and techniques used in such utilitarian construction as bridges, dams and railroad stations.

**AMERICAN DRUG INDEX 1960**—Charles O. Wilson and Tony Everett Jones—*Lippincott*, 3rd ed., 712 p., \$5.75. Alphabetical with extensive cross-indexing, lists generic and chemical names, manufacturer, pharmaceutical forms, size, dosage and use.

**A BIBLIOGRAPHY OF INTERNAL MEDICINE: Selected Diseases**—Arthur L. Bloomfield—*Univ. of Chicago Press*, 312 p., \$6. Excerpts from fundamental, current and older works on 21 diseases.

**A BOOK ABOUT BEES**—Edwin Way Teale—*Ind. Univ. Press*, 208 p., photographs by author, paper, \$1.95. Reprint of 1940 edition.

**A BOOK TO BEGIN ON NUMBERS**—Leslie Walker—*Holt*, 48 p., illus. by Shannon Stirnweis, \$2.50. Amusingly illustrated, this book introduces young readers to number concepts.

**CHEMISTRY FOR SANITARY ENGINEERS**—Clair N. Sawyer—*McGraw*, 367 p., illus., \$9.50. Discusses fundamentals of chemistry on which sanitary engineering practice is based.

**CLASS D CITIZENS RADIO**—Leo G. Sands—*Ziff-Davis*, 181 p., illus., \$4.95. Information about equipment, installation and operation of two-way radio communication systems.

**CONTRIBUTIONS TO THE PHYSICAL ANTHROPOLOGY OF THE SOVIET UNION**—V. V. Bunak, G. F. Debets, M. G. Levin and others, transl. from Russian by Vladimir M. Maurin—*Pea-*

*body Mus.*, 192 p., maps, paper, \$4.50. Recent Soviet anthropometric data, especially from the Caucasus.

**THE CULTURE OF THE STATE MENTAL HOSPITAL**—H. Warren Dunham and S. Kirson Weinberg—*Wayne State Univ. Press*, 308 p., \$5. Study of mental patients exposed to resocialization techniques employed by Lafayette Clinic.

**THE DIPLOMACY OF DISARMAMENT**—Joseph Noyce—*Carnegie Endowment for Int'l Peace (Tappinger)*, 72 p., paper, 35¢. Analysis of the changing framework and scope of disarmament negotiations since 1945.

**DONNER PASS AND THOSE WHO CROSSED IT**—George R. Stewart—*Calif. Hist. Soc. (Lane Pub. Co.)*, 96 p., illus., paper, \$1.95. Documented story of the mountain pass noted for its difficult passage by early wagons and railroad builders.

**ELEMENTS OF ION EXCHANGE**—Robert Kunin—*Reinhold*, 164 p., illus., \$5.75. Basic treatment of ion exchange techniques.

**EXPLODING WIRES**—William G. Chace and Howard K. Moore, Eds.—*Plenum Press*, 373 p., illus., \$9.50. Based on 1959 Conference on the Exploding Wire Phenomenon. Of interest to workers in the fields of high speed photography, shock wave, and thermonuclear research.

**GENERAL DRAFTING**—Verne C. Fryklund and Frank Roy Kepler—*McKnight*, 3rd ed., 204 p., illus., \$3.40; paper, \$2. Instruction with problems.

**GENETICS NOTES**—James F. Crow—*Burgess*, 4th ed., 149 p., illus., paper, \$3.60. Summary of principles taught in general genetics course.

**HEALTH FACTORS IN SAFE HANDLING OF CHEMICALS**—*Manufacturing Chemists Assn.*, 4 p., 15¢, direct to publisher, 1825 Conn. Ave., Washington 9, D. C. Recommended safe practices.

**THE HERRING FISHERY OF THE NORTHWEST ATLANTIC**—Leslie W. Scattergood and S. N. Tibbo—*Fisheries Res. Bd. of Canada (Queen's Printer)*, Bull. 121, 42 p., illus., paper, 75¢. Account of history, fishing gear, quantities caught and their utilization.

**A HISTORY OF POLAR EXPLORATION**—L. P. Kirwan—*Norton*, 374 p., illus., \$5.95. Complete history of polar expeditions, both Arctic and Antarctic, by Director of the Royal Geographic Society.

**INTRODUCTION TO FOODS AND NUTRITION**—Gladys T. Stevenson and Cora Miller—*Wiley*, 517 p., illus., \$6.25. One-semester course.

**INTRODUCTION TO GEOPHYSICAL PROSPECTING**—Milton B. Dobrin—*McGraw*, 2nd ed., 446 p., illus., \$9.50. Covers technical advances since 1950, such as seismic, gravity, magnetic, electrical and radioactivity prospecting.

**LANDSLIDE AND FOUNDATION INVESTIGATIONS AND STABILITY ANALYSIS**—D. P. Krynnine and others—*Highway Res. Bd.*, Bull. 236, 68 p., illus., paper, \$1.20. On the methodology of

landslide investigations in Soviet Russia, and other studies.

**MIDDLE AGE: Threat or Promise?**—Harry Milt—*Public Affairs Committee*, Pamphlet No. 294, 20 p., illus., paper, 25¢. On emotional adjustment in middle age.

**PSYCHIATRIC DICTIONARY**—Leland F. Hinsie and Robert Jean Campbell—*Oxford Univ. Press*, 3rd ed., 788 p., \$17.50. Includes 1,629 new entries, also terms from allied fields, such as clinical neurology, genetics and eugenics, forensic psychiatry and nursing.

**SCHOOLS AND INDUSTRY: Partners in Science Education**—*Thomas Alva Edison Foundation*, 30 p., paper, single copies free upon request direct to publisher, 8 W. 40th Street, New York 18, N. Y. Summary of 1959 School-Industry Science Conference.

**SPECIAL SOURCES OF INFORMATION ON ISOTOPES**—*Office of Isotopes Development, U. S. Atomic Energy Commission*, rev. ed., 54 p., paper, free upon request direct to publisher, Washington 25, D. C. Lists more than 300 references.

**A STUDY OF MURDER**—Stuart Palmer—*Crowell*, 239 p., \$4.95. Analytical study of 51 men convicted of murder, based on interviews with the murderers, their relatives and friends.

**A STUDY OF SCIENTIFIC AND TECHNICAL MANPOWER: A Program of Collection, Tabulation and Analysis of Data**—National Science Foundation—*House Committee on Science and Astronautics*, 71 p., paper, single copies free upon request direct to Committee, U. S. Congress, Washington 25, D. C.

**THE THEORY OF SPACE TIME AND GRAVITATION**—V. Fock, transl. from Russian by N. Kemmer—*Pergamon*, 411 p., \$15. Covers both special relativity and what is usually called general relativity. Textbook on post-graduate level.

**THE THUNDER OF THE GUNS: A Century of Battleships**—Captain Donald Macintyre—*Norton*, 352 p., illus., \$3.95. Account of the origin, design and battles fought by the big warships.

**TRAFFIC BEHAVIOR ON FREEWAYS**—Charles J. Keese and others—*Highway Res. Bd.*, Bull. 235, 132 p., illus., paper, \$2.40. Studies of freeway medians, urban expressways, ramp design and freeway traffic operation.

**WILL MY HEART FAIL?**—William A. Jeffers—*Lippincott*, 157 p., illus., paper, \$1.25. Doctor discusses mechanics of circulation, and disorders of the heart and blood vessels that cause these organs to fail in efficiency.

**THE WORLD OF PRIMITIVE MAN**—Paul Radin—*Grove*, 370 p., paper, \$2.25. Reprint of 1953 edition.

Science News Letter, March 12, 1960

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## Questions

**ASTRONOMY**—What is the desired speed aimed at by NASA scientists for "soft" landings on the moon? p. 167.

**MEDICINE**—From what does the most common type of headache result? p. 168.

**TECHNOLOGY**—What are the main advantages of the new casting method? p. 165.

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