

# 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.

**ABOUT SAVING WILD LIFE FOR TOMORROW**—Solveig Paulson Russell—*Melmont*, 31 p., illus. by Henry Luhrs, \$2.50. Attractively presented conservation facts for young children.

**ABOUT THE VEGETABLES ON YOUR PLATE**—Veva Elwell Allee—*Melmont*, 31 p., illus. by Isauro de la Rosa, \$2.50. For young readers.

**AUTOMOBILES WORK LIKE THIS**—Phil Drackett—*Roy Pubs.*, 64 p., illus. by George Lane, \$2.75. British book for young people.

**BEACHES AND COASTS**—Cuchlaine A. M. King—*Arnold, E. & Co. (St. Martin)*, 403 p., illus., \$14.50. Recent work on coastal problems and the characteristics of coastal processes on the beaches of Britain, Scandinavia, the Mediterranean area, Australia, and the United States.

**BIOGRAPHICAL MEMOIRS**, Vol. XXXIV—National Academy of Sciences—*Columbia Univ. Press*, 368 p., photographs, \$5. Biographies of recently deceased Academy members with chronological lists of their publications.

**CARPENTER AND WOOD'S, OUR ENVIRONMENT: Its Relation to Us. OUR ENVIRONMENT: How We Adapt Ourselves to It**—Rev. by Paul E. Smith—*Allyn*, 464 p. and 625 p., illus., \$3.96 and \$4.60. General science textbooks for grades 7 and 8.

**CHILDREN AND YOUTH IN THE 1960S: Survey Papers**—Margaret Mead and others—*White House Conference on Children and Youth*, 340 p., paper, \$2. Specific background information on major Conference themes.

**THE CONCEPTS AND THEORIES OF MODERN PHYSICS**—J. B. Stallo, Percy W. Bridgman, Ed.—*Belknap Press*, 325 p., \$4.75. First published in 1881, this critique of the fundamental concepts of late 19th century physics anticipated the importance of the law of the conservation of energy.

**THE EARTH FOR SAM**—W. Maxwell Reed, Paul F. Brandwein, Ed.—*Harcourt*, rev. ed.,

236 p., photographs, \$4.95. The story of the changes the earth, its planets, and animals have undergone over millions of years.

**ENGINEER'S DREAMS**—Willy Ley—*Viking*, 240 p., diagrams & maps by author, illus. by I. Kashiwagi, paper, \$1.25. Engineering projects that could come true, first published in 1954.

**ESSENTIALS OF COLLEGE CHEMISTRY**—Paul R. Frey—*Prentice-Hall*, 520 p., illus., \$6.95. Brief course, using concept-building approach.

**EXPERIMENTS IN HEARING**—Georg von Bekesy, trans. & ed. by E. G. Wever—*McGraw*, 745 p., illus., \$25. Chief results of 34 years of experimental studies on hearing and related problems by international psychologist and physicist. Articles grouped by subject, large section dealing with cochlear mechanics.

**FALLOUT: A Study of Superbombs, Strontium-90 and Survival**—John M. Fowler, Ed.—*Basic Bks*, 235 p., illus., \$5.50. Written by scientists, in layman's language, this book surveys the facts of the nuclear weapons race, nuclear test detection and effects of radiation. Includes appendices with data for reference and glossary.

**THE FIFTH MENTAL MEASUREMENT YEARBOOK**—Oscar Krisen Buros, Ed.—*Gryphon Press (N.J.)*, 1,292 p., \$22.50. Critical reviews of all commercially available educational and psychological tests and books on measurement published during 1952-1958, in English. To help test users make more discriminating selections of tests which will best meet their needs. Includes bibliographies; publishers, periodical, title, name and classified indexes.

**FIRST THROUGH THE GRAND CANYON**—Steve Frazee—*Winston*, 181 p., map, \$2.95. The story of John Wesley Powell's expedition by boat down the uncharted Colorado river.

**GROUND BIRDS**—Charles L. Ripper—*Morrow*, 64 p., illus. by author, \$2.50. About woodcock, road runner and bobwhite, for young readers.

**THE HOW AND WHY OF ROCKETS AND MISSILES**—Clayton Knight, Paul E. Blackwood, Ed.—*Grosset*, 48 p., illus., \$1. Describes for young people space projects such as Dyna-Soar, Argus, Farside and X-15.

**AN INTRODUCTION TO THE PHYSICS OF MASS, LENGTH AND TIME**—Norman Feather—*Edinburgh Univ. Press (Quadrangle Bks.)*, 358 p., \$5. Traces history of the three concepts and on this basis develops the whole subject of the mechanical properties of matter, without use of calculus, for the non-specialist.

## EXPLORE THE MOON

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**MOLTEN SALTS**—Benson R. Sundheim, Ed.—*N. Y. Acad. of Sciences, Annals*, Vol. 79. Art. 11, 340 p., illus., paper, \$5. Papers of recent research in molten-salt experimentation.

**THE MYSTERIOUS EARTH**—Lester del Rey—*Chilton Co.*, 214 p., \$2.95. Popularly presented science facts.

**THE NEW AFRICA**—Ellen and Attilio Gatti—*Scribner*, 213 p., photographs, \$3.95. Up-to-date review of the rapidly changing ways of a continent, copiously illustrated.

**ONE THOUSAND YEARS OF EXPLOSIVES: From Wildfire to the H-bomb**—William S. Dutton—*Winston*, 183 p., \$2.95. Readable history of how inventions of new explosives helped win wars.

**THE OTHER SIDE OF THE MOON**—U.S.S.R. Acad. of Sciences, trans. by J. B. Sykes, foreword by A. N. Nesmeyanov—*Pergamon*, 36 p., illus., \$2.50. Non-technical description of the automatic interplanetary station, its orbit, photography and image transmission.

**PHYSICS: For Students of Science and Engineering, Part I**—Robert Resnick and David Halliday—*Wiley*, 554 p., illus., \$6. Text contains contemporary material, many topics treated in depth, with stress on unity of physics. Valuable appendixes with data for reference.

**POLAR BEAR BROTHERS**—Ylla, text by Crosby Newell—*Harper*, 36 p., photographs, \$2.75. Photographic record of bears at play.

**PRINCIPLES OF ANIMAL VIROLOGY**—F. M. Burnet—*Academic*, 2nd ed., 490 p., illus., \$12. Nearly half the text is new, covering recent advances in animal virology.

**PROCEEDINGS OF THE INTERNATIONAL CONGRESS OF MATHEMATICS, 1958**—J. A. Todd, Ed.—*Cambridge Univ. Press*, 573 p., \$12.50. Official record of Congress held in Edinburgh, August, 1958.

**PROPHETS, IDOLS AND DIGGERS: Scientific Proof of Bible History**—John Elder—*Bobbs*, 240 p., photographs, \$5. Tells how the resources of modern archaeology are used to reconstruct ancient Biblical civilizations.

**ROCKET PROPELLANT HANDBOOK**—Boris Kit and Douglas S. Evered—*Macmillan*, 354 p., \$12.50. Basic reference on nearly a hundred chemical propellant substances including fuels, oxidizers, and monopropellants.

**RURAL LINES, USA: The Story of the Rural Electrification Administration's First Twenty-five Years, 1935-1960**—David A. Hamil, Admin.—*REA (GPO)*, 68 p., illus., paper, 50¢. Story of REA's electric loan program.

**THE SEA FOR SAM**—W. Maxwell Reed and Wilfrid S. Bronson, Paul F. Brandwein, Ed.—*Harcourt*, rev. ed., 243 p., photographs, \$4.95. Completely revised to include new knowledge since 1935.

**SHOTS WITHOUT GUNS: The Story of Vaccination**—Sarah R. Riedman—*Rand McNally*, 232 p., illus., \$3.50. Young people's history of the scientists and techniques that brought victory over infectious diseases.

**THE SOUTH AMERICAN HANDBOOK 1960**, including Central America, Mexico and Cuba—Howell Davies, Ed.—*Trade & Travel (Wilson, H. W.)*, 36th ed., 870 p., maps, \$3. Information about land, people, history and travel.

**SOVIET RESEARCH IN GLASS AND CERAMICS, 1956: In English Translation. Part I: Basic Science. Part II: Glasses, Glazes and Enamels. Part III: Cements, Limes and Plasters, Refractories, Miscellaneous**—A. I. Avgustinik and others—*Consultants Bureau*, 218 p., 43 p. and 52 p., illus., paper, \$30, \$10 and \$15; \$40 per set. Collection of Russian technical papers through December 1956.

**SPACE VOLUNTEERS**—Terence Kay—*Harper*, 136 p., photographs, \$2.50. About test pilots and space flight experimenters.

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THE STARS FOR SAM—W. Maxwell Reed, Paul F. Brandwein, Ed.—*Harcourt*, rev. ed., 179 p., photographs, \$4.50. Describes our solar system, the universe and its galaxies, for young people.

STATE TREES—Olive L. Earle—*Morrow*, unpag., illus. by author, \$2.50. Describes and depicts the 34 state trees for children.

SYMBOLIC LOGIC—Clarence Irving Lewis and Cooper Harold Langford—*Dover*, 2nd ed., 518 p., paper, \$2. Unabridged republication of 1932 first edition.

THE TALL GRASS ZOO—Cecil Lubell—*Rand McNally*, 64 p., illus. by Winifred Lubell, \$2.75. Natural history in a backyard, ages 5 to 8.

A TRAVELER'S GUIDE TO GOOD HEALTH—Colter Rule—*Doubleday*, 266 p., \$3.95. Doctor's advice on medical self-care away from home, about "shots", water, skin care, also glossary of medical phrases in French, German, Italian and Spanish.

TREES, SHRUBS AND VINES: Pictorial Guide to Ornamental Woody Plants of the Northeastern U.S.—Exclusive of Conifers—Arthur T. Viertel—*State Univ. College of Forestry, Syracuse Univ.*, unpag., illus. by author, paper, \$1.25.

VACCINATION CERTIFICATION REQUIREMENTS FOR INTERNATIONAL TRAVEL: Situation as on 15 December 1959—*World Health Organization*, 67 p., paper, \$2.75. English-French edition.

UNITED STATES AIRCRAFT, MISSILES AND SPACECRAFT 1960—Aerospace Industries Assn.—*Nat. Aviation Educ. Council*, 153 p., illus., paper, \$1. Lists and depicts aircraft and missiles in production.

VACUUM PROCESSES IN METALWORKING—J. Wesley Cable—*Reinhold*, 202 p., illus., \$5.50. Covers the field of vacuum technology.

THE WHOLE TRUTH ABOUT ALLERGY—Herman Hirschfeld—*Allergy Pubs.*, 3rd rev. ed., 199 p., illus., paper, 50¢. Doctor explains what allergy is and what to expect from treatment.

WOOD AND CARPENTER'S, OUR ENVIRONMENT: How We Use and Control It—Rev. by Gordon E. Van Hooft—*Allyn*, 688 p., illus., \$5.68. General science text for grade 9.

THE WRIGHT BROTHERS—Henry Thomas—*Putnam*, 126 p., illus. by Chas. Beck, \$2.50. Juvenile biography.

Science News Letter, April 9, 1960

## PUBLIC HEALTH

### Common Mosquito Causes Encephalitis

A COMMON mosquito, found in salt water pools, has been identified as the carrier of eastern equine encephalitis, or sleeping sickness. Called *Aedes sollicitans*, the mosquito carries the virus that causes the disease. Last fall this virus killed 23 people in an epidemic. Animals can be inoculated against this virus, but there is no vaccine to protect man.

Science News Letter, April 9, 1960

## Do You Know

A map of the *moon*, on a scale of one inch equals about 80 miles, is being prepared by the Geological Survey and the Army Map Service.

*Ether* was discovered in the 16th century by Valerius Cordus, who synthesized it from sulfuric acid and alcohol but did not know of its anesthetic powers.

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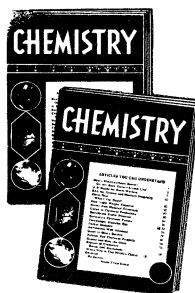
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