

# 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.

**ADVANCES IN VIRUS RESEARCH**, Vol. VI—Kenneth M. Smith and Max A. Lauffer, Eds.—*Academic*, 382 p., illus., \$10. On purification, biochemistry and spread of plant viruses, measles virus, and paramecium.

**ALBINISM IN NORTH AMERICAN AMPHIBIANS AND REPTILES**—Max Hensley—*Museum, Mich. State Univ.*, 14 p., paper, single copies free upon request direct to publisher, East Lansing, Mich. Catalogue of geographical occurrences.

**ANIMAL BABIES**—Photographs by Illa, words by Arthur Gregor—*Harper*, 40 p., \$2.75. Appealing photographs for young and old.

**ATOMIC AGE PHYSICS**—Henry Semat and Harvey E. White—*Rinehart*, 230 p., illus., paper, \$2. Covers second part of a nation-wide NBC-TV course.

**ATOMIC INDUSTRIAL PROGRESS AND SECOND WORLD CONFERENCE**, July-December 1958—*U. S. Atomic Energy Commission (Govt. Print. Off.)*, 386 p., illus, paper, \$1.25. Twenty-fifth Semiannual Report, AEC.

**BEYOND THE REEFS**—William Travis—*Dutton*, 221 p., illus., \$3.95. Experiences of a skin diver in the Indian Ocean.

**BREAD: The Staff of Life**—Walter Buehr—*Morrow*, 80 p., illus. by author, \$2.75. For grade school children.

**A CHANGING AMERICA: At Work and Play**—A. W. Zelomek—*Wiley*, 181 p., \$3.95. Statistician's analysis of the interrelatedness of changes in our society.

**CHARLES DARWIN: Evolution and Natural Selection**—Bert James Loewenberg, Ed.—*Beacon Press*, 434 p., illus., paper, \$2.25. Anthology of Darwin's writings.

**A GUIDE TO NUCLEAR ENERGY**—R. F. K. Belchem—*Philosophical Lib.*, 77 p., illus., \$3.75. Explains for the general reader how various types of nuclear reactors function.

**HEREDITY AND EVOLUTION IN HUMAN POPULATIONS**—L. C. Dunn—*Harvard Univ. Press*,

157 p., \$3.50. Reconsideration, in the light of modern genetic knowledge, of the evolutionary forces that mold human populations, written for the layman.

**HOW TO STIMULATE YOUR SCIENCE PROGRAM**—Matthew F. Vessel and Herbert Wong—*Fearon Publishers*, 32 p., illus. paper, \$1. Teacher's guide to simple science activities.

**IN THE STEPS OF THE PHAROAHs**—Jean Leclant—*Hastings House*, 128 p., photographs by Albert Raccah, \$8.50. Records the splendor of the Egypt of the Pharaohs.

**INDIVIDUAL BEHAVIOR AND GROUP ACHIEVEMENT, A Theory: The Experimental Evidence**—Ralph M. Stogdill—*Oxford Univ. Press*, 352 p., \$5. Attempts to develop a theory of organization achievement.

**INTERFERENCE BETWEEN POWER SYSTEMS AND TELECOMMUNICATION LINES**—H. R. J. Klewe, foreword by Sir Gordon Radley—*Arnold E. & Co. (St. Martins)*, 256 p., \$12.50. Report by the Electrical Research Association on the effects of proximity.

**INTRODUCTION TO SYMBOLIC LOGIC AND ITS APPLICATION**—Rudolf Carnap, transl. from German by William H. Meyer and John Wilkinson—*Dover*, 241 p., paper, \$1.85.

**AN INTRODUCTION TO THE BEHAVIOUR OF INVERTEBRATES**—J. D. Carthy—*Macmillan*, 380 p., illus., \$8. Concerned with the behavior of invertebrates in response to external factors and the role which this behavior plays in the natural life of the animal.

**INVENTORS' PROGRESS**—Joachim G. Leithauser, transl. from German by Michael Bullock—*World Pub. Co.*, 286 p., illus., \$4.50. Of the men and the concepts that brought about today's technology.

**JOURNAL OF GEOPHYSICAL RESEARCH**, January 1959—Philip H. Abelson and J. A. Peoples, Jr., Board of Eds.—*Am. Geophysical Union*, 132 p., illus., paper, annual subscription \$16. Beginning

with this issue (Vol. 64, No. 1), the Journal is published monthly, combining the scientific material formerly published in the bi-monthly *Transactions, Am. Geophysical Union*, and the quarterly *Journal of Geophysical Research*.

**LIQUID HELIUM**—K. R. Atkins—*Cambridge Univ. Press*, 312 p., illus., \$11. Exposition of the current state of the theory and detailed survey of experimental results.

**MADAME CURIE**—Eve Curie, transl. by Vincent Sheean—*Pocket Bks.*, 419 p., paper, 50¢. Reprint of 1937 edition.

**THE MENTALLY RETARDED IN SOCIETY**—Stanley Powell Davies with Katherine G. Ecob—*Columbia Univ. Press*, 248 p., \$5.50. Historical background and information about modern practices and attitudes.

**MODERN SHRUBS**—E. H. M. Cox and P. A. Cox, foreword by F. P. Knight—*Nelson*, 220 p., illus. by Margaret Stones, \$6.25. Information on planting, soil, shelter, feeding, pruning and thinning, and various methods of propagation.

**1958 BOOK OF ASTM STANDARDS INCLUDING TENTATIVES, Part 3: Methods of Testing Metals (Except Chemical Analysis)**—*Am. Soc. for Testing Materials*, 962 p., illus., \$10.

**NUTRITION OF THE LEGUMES**—E. G. Halls-worth, Ed.—*Academic*, 359 p., illus., \$10.50. Proceedings of the University of Nottingham Fifth Easter School in Agricultural Science, 1958.

**OPTICAL PROPERTIES OF SEMI-CONDUCTORS**—T. S. Moss—*Academic*, 279 p., \$9. For the experimental physicist and advanced student.

**RADIOACTIVITY MEASURING INSTRUMENTS: A Guide to Their Construction and Use**—M. C. Nokes—*Philosophical Lib.*, 75 p., illus., \$4.75. Instructions for students.

**THE ROCK-HUNTER'S FIELD MANUAL: A Guide to Identification of Rocks and Minerals**—D. K. Fritzen, foreword by Wesley Dexter Gordon—*Harper*, 207 p., illus. by Lon Fox, \$3.50. Reference work for the student and amateur.

**ROCKET AMATEUR'S GUIDEBOOK**—John Bridgewater and James Mountain—*Space Products Corp.*, 24 p., paper, \$1. Guide to amateur rocketry information sources.

**ROCKS AND MINERALS**—Illa Podendorf—*Grosset*, 48 p., illus. by George Rhoads, \$1. An easy-to-read book of facts.

**SCIENCE EXPERIMENTS**—Illa Podendorf—*Grosset*, 47 p., illus. by Mary Salem, \$1. Simple experiments for beginners.

**SOLID PROPELLANT ROCKETS—SECOND STAGE: An Introductory Handbook**—Alfred J. Zehring—*Am. Rocket Co.*, 306 p., illus., \$8. For the engineer or scientist.

**TREE FRUIT PRODUCTION**—James S. Shoemaker and Benjamin Teskey—*Wiley*, 456 p., illus., \$6.95. Emphasis is on recent research leading to improved production and handling methods of tree fruits.

**THE TRUE BOOK OF SPACE**—Illa Podendorf—*Childrens Press*, 48 p., illus. by Robert Borja, \$2. A second grade reader.

**TYPE SPECIMENS OF MARINE MOLLUSCA DESCRIBED BY P. P. CARPENTER FROM THE WEST COAST (San Diego to British Columbia)**—Katherine Van Winkle Palmer—*Geological Soc. of Am.*, 376 p., illus., \$7.50. Investigates, locates and illustrates the types of species described in Carpenter's Catalogue in 1857.

**THE VALUE OF SCIENCE**—Henri Poincare, introd. by George Bruce Halsted—*Dover*, 147 p., paper, \$1.35. Reprint of first English translation.

**YOUNG CHILDREN IN HOSPITALS**—James Robertson, foreword by Milton J. E. Senn—*Basic Bks.*, 136 p., \$3. Tells how sympathetic handling by parents can help minimize a child's upsetting experience.

Science News Letter, March 7, 1959

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