

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.

ALKALI-AGGREGATE REACTION—R. C. Mielenz, E. J. Benton and others—*Highway Research Board*, Bulletin 171, 36 p., illus., paper, 80¢.

BIBLIOGRAPHIC SURVEY OF CORROSION 1954-1955: A Compilation of Corrosion Abstracts—A. Irene Humphrey, compiler—*Nat. Assn. of Corrosion Engineers*, 468 p., \$20.

CARE OF THE PREMATURE INFANT—Evelyn C. Lundeen and Ralph H. Kunstadter—*Lippincott*, 367 p., illus., \$8. Telling the nurse and mother about the care of these human miniatures in the hospital and at home.

CAREERS IN THE NUCLEAR FIELD: Areas of Specialization, Training, Scholarships, Fellowships, Opportunities, Where Employment Is Found—Juvenal L. Angel—*World Trade*, 26 p., paper, \$1. To help the student in planning his career.

CHEMICALS, HUMUS, AND THE SOIL: A Simple Presentation of Contemporary Knowledge and Opinions About Fertilizers, Manures, and Soil Fertility—Donald P. Hopkins—*Chemical Pub. Co.*, rev. ed., 288 p., illus., \$8.50. A book for the "ordinary man who is interested one way or another in the care of the soil."

CURRENT STUDIES IN PSYCHOLOGY—F. J. McGuigan and Allen D. Calvin—*Appleton*, 226 p., illus., paper, \$2.65. To familiarize the beginning student with current trends in psychological research.

THE DEEP SEA—Marie Neurath—*Sterling*, 36 p., illus., \$2. A book for children about the beautiful or fearful creatures that live in the depths of the sea.

DIRECTED STUDIES IN INTRODUCTORY COLLEGE GEOGRAPHY—George T. Renner and Hugh C. Books—*Appleton*, 167 p., illus., paper, \$2.36. Exercises to accompany White and Renner "College Geography" or "Essentials of College Geography" by White, Renner and Novak.

THE DIRECTION OF RESEARCH ESTABLISHMENTS—E. S. Hiscocks and others—*Philosophical Lib.* illus., \$12. Proceedings of a symposium held at the National Physical Laboratory Sept. 26-28, 1956.

DOCTORS TO THE WORLD—Murray Morgan—*Viking*, 271 p., illus., \$5. The exciting story of the world-wide battle against such pests as leprosy, malaria, yellow fever, kwashiorkor and yaws.

EIGENFUNCTION EXPANSIONS ASSOCIATED WITH SECOND-ORDER DIFFERENTIAL EQUATIONS: Part II—E. C. Titchmarsh—*Oxford Univ. Press*, 404 p., \$11.20. Presenting a theory for partial differential equations of the second order.

ELECTRICITY AND MAGNETISM—J. Myron Atkin and R. Will Burnett—*Rinehart*, 58 p., illus., paper, \$1. Experiments for elementary school children.

ELEMENTARY PARTICLE ACCELERATORS—V. I. Veksler and others—*Atomic Press, Moscow (Consultants Bureau)*, Supplement No. 4 of the Soviet Journal of Atomic Energy, in English translation, 67 p., illus., paper, \$15. Papers from a conference on the physics of high-energy particles.

ESSENTIALS OF COLLEGE GEOGRAPHY—C. Langdon White, George T. Renner and Robert T. Novak—*Appleton*, 580 p., illus., \$6. A condensation of White and Renner's "College Geography," a college text.

THE EXCAVATION AT HERODIAN JERICHO, 1951—James B. Pritchard with Sherman E. Johnson and George C. Miles—*Am. Schools of Oriental Research*, 58 p., 65 pl., \$7.50. Describing the 1951 finds and their interpretation.

GREAT BLUE HERON: Behavior at the Nest—W. Powell Cottrille and Betty Darling Cottrille—*Univ. of Mich. Museum of Zoology*, 15 p., illus., paper, 35¢. Describing the nest building, courtship and care of the young by these interesting birds.

THE GREAT EB: The Story of the Encyclopaedia Britannica—Herman Kogan—*Univ. of Chicago Press*, 339 p., illus., \$4.95. The history of an important publication from the first edition of 1768-71.

HOW TO TAKE EXAMINATIONS IN COLLEGE—J. N. Hook—*Barnes & Noble*, College Outline Series, 180 p., paper, \$1.25. Practical information on how to prepare for and work with the various types of examinations given in college.

INFORMATION RESOURCES: A Challenge to American Science and Industry—Jesse H. Shera, Allen Kent and James W. Perry—*Western Reserve Univ. Press (Interscience)*, 214 p., illus., paper, \$5. Based on a special meeting of the Council on Documentation Research.

INTERDISCIPLINARY TEAM RESEARCH METHODS AND PROBLEMS—Margaret Barron Luszki—*National Training Laboratories, (New York Univ. Press)* 355 p., \$6. Summarizes ideas brought out in five work conferences.

LIGHT, VISIBLE AND INVISIBLE—Eduard Ruedardt—*Univ. of Mich. Press*, 3d ed. 201 p., illus., \$4.50. Summing up what we know today of the nature and behavior of light, how we found out, and how we use our knowledge.

THE LIVING BODY—Charles Herbert Best and Norman Burke Taylor—*Holt*, 4th ed., 756 p., illus., \$6.95. This new edition of a famous classic has been given a "new look".

MASS COMMUNICATION AND EDUCATION—Educational Policies Commission—*National Education Association*, 137 p., paper, \$1.50. Television is an effective aid to the teaching process, but there is no reliable evidence suggesting that it can solve the teacher shortage.

MATHEMATICAL THEORY OF COMPRESSIBLE FLUID FLOW—Richard von Mises, completed by Hilda Geiringer and G. S. S. Ludford—*Academic*, 514 p., \$15. For mathematicians and scientists.

MODERN COMPUTING METHODS—*Philosophical Lib.* 129 p., \$8.75. Part of a vacation course on computers for electrical engineering problems organized by the electrical engineering department of the Imperial College of Science and Technology.

NUCLEAR REACTIONS IN LIGHT NUCLEI—V. A. Davidenko and others—*Atomic Press, Moscow (Consultants Bureau)*, Supplement No. 5 of the Soviet Journal of Atomic Energy, in English Translation, 73 p., illus., paper, \$15. Reporting research in various laboratories of the Academy of Sciences in the USSR.

ONE MIND, COMMON TO ALL—Earl D. Bond—*Macmillan*, 200 p., \$4.50. The author, for 50 years a psychiatrist, writes charmingly of the normal in mental patients and the abnormal in the "well."

ORCHIDS OF PERU—Charles Schweinfurth—*Chicago Natural Hist. Mus.*, Fieldiana: Botany Volume 30, Number 1, 260 p., illus., paper, \$4. Except for neighboring Columbia, Peru has the greatest number of orchid species recorded from any Andean country. This is the first attempt at a detailed description of the orchids of any Andean region.

PHYSICS—Henry Semat and Robert Katz—*Rinehart*, 927 p., illus., \$9. Text for students of science and engineering.

PHYSICS PROBLEMS—Clarence E. Bennett—*Barnes & Noble*, College Outline Series, 240 p., paper, \$1.75. Containing a review of basic principles as well as the solutions of 107 problems and answers to 372.

PREGNANCY, BIRTH AND ABORTION—Paul H. Gebhard, Wardell B. Pomeroy, Clyde E. Martin and Cornelia V. Christenson—*Harper and Hoeber*, 282 p., illus., \$6. Based on interviews with some 7,000 women concerning the number who became pregnant before marriage, during marriage or while separated, divorced or widowed, and the way their pregnancies ended. From Kinsey's Institute for Sex Research.

PROBLEMS IN INTERCULTURAL HEALTH PROGRAMS: Memorandum to the Committee on Preventive Medicine and Social Science Research—George M. Foster—*Social Science Research Council*, 49 p., paper, 50¢.

THE PROSPECT FOR NUCLEAR POWER IN PAKISTAN—Maurice D. Kilbridge—*Nat. Planning Assn.*, 59 p., illus., paper, \$1.

THE ROAD RUNNER—Theodore W. Munch and M. Vere De Vault—*Steck*, 30 p., illus. with drawings by Carol Rogers, \$1.50. A book for children about this strange-looking bird of the ranch country.

SCHOOL HEALTH SERVICES: A Selective Review of Evaluative Studies—Bronson Price—*Govt. Printing Office*, Children's Bureau, 149 p., paper, 45¢. For research and professional workers in this field.

SCIENCE AND RELIGION IN SEVENTEENTH-CENTURY ENGLAND—Richard S. Westfall—*Yale Univ. Press*, 235 p., \$4.50. Although there were a few dramatic 17th-Century conflicts, outright conflict between science and religion was abnormal.

THE SENSES—Wolfgang von Buddenbrock—*Univ. of Mich. Press*, 167 p., illus., \$4. Describing the differing "outside worlds" lived in by different species of creatures whose senses provide them with vastly different information.

A SHORT INTRODUCTION TO ARCHAEOLOGY—V. G. Childe—*Macmillan*, 142 p., illus., \$2.50. Archaeological data, explains the author, are the fossilized results of human behavior.

SPEECH CORRECTIONISTS: The Competencies They Need for the Work They Do—Romaine P. Mackie and Wendell Johnson and others—*Govt. Printing Office*, Office of Education Bulletin 1957, No. 19, 77 p., illus., paper, 45¢. Describing those who help more than 1,000,000 speech handicapped school children.

THE STRANGEST THINGS IN THE WORLD: A Book About Extraordinary Manifestations of Nature—Thomas R. Henry, introduction by Leonard Carmichael—*Public Affairs Press*, 200 p., \$3.50. Telling about such oddities as the emperor penguin, which hatches an egg by standing on one foot while holding the egg against the breast with the other foot.

STUDIES IN THE MATHEMATICAL THEORY OF INVENTORY AND PRODUCTION—Kenneth J. Arrow, Samuel Karlin, Herbert Scarf and others—*Stanford Univ. Press*, 340 p., \$8.75. Reporting research, most of which was done at Stanford University with the support of the Office of Naval Research.

TOWARD A HEALTHIER WORLD: Your Career in Sanitary Engineering—*Govt. Printing Office*, 16 p., illus., paper, 25¢. Guidance for the student who wants to plan a career.

THE WONDERWORLD OF SCIENCE: Book 7—Morris Meister and others—*Scribner*, rev. ed., 352 p., illus., \$3.12. A science text for seventh grade.

THE WORLD HEALTH ORGANIZATION: Its Global Battle Against Disease—Albert Deutsch—*Public Affairs Committee*, Public Affairs Pamphlet No. 265, 20 p., illus., paper, 25¢.

Science News Letter, May 31, 1958