

Books of the Week

For the editorial information of our readers, books received for review 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.

AN ALTERNATIVE TO WAR OR SURRENDER—Charles E. Osgood—*Univ. of Ill. Press*, 183 p., paper, \$1.45. An original, explains in detail psychologist's plan for Graduated Reciprocation in Tension-reduction (GRIT). For story see SNL Sept. 15, 1962, p. 173.

AXIOMATICS—R. Blanche, transl. by G. B. Keene—*Free Press*, 65 p., paper, \$1.25. Places the central ideas of the axiomatic method in their historical perspective.

BERYLLIUM: Evaluation of Deposits During Prospecting and Exploratory Work—A. A. Beus, transl. from Russian by F. Lachman; Lincoln R. Page, Ed.—*Freeman*, 161 p., illus., \$5. Review and evaluation of Soviet and foreign studies of beryllium deposits and their prospecting.

BIONICS SYMPOSIUM: Living Prototypes, the Key to New Technology—Wright Air Development Div., U. S. Air Force—*OTS*, 499 p., illus., paper, \$6. Reports on current work, theoretical and applied.

BIRDS AND WOODS—W. B. Yapp—*Oxford Univ. Press*, 308 p., illus., \$5.60. A study of English woodlands, the species of birds found in different woods, their relationships with each other, and how their habitats have changed through the activities of man.

BRINGING UP BABIES: A Family Doctor's Practical Approach to Child Care—Walter W. Sackett, Jr., foreword by Ben J. Sheppard—*Harper*, 295 p., illus. by Ann Atene, \$4.95. A book for parents, to help them raise their children, healthy in body and mind.

BUILDING WITH ELECTRONICS: Transistor and Vacuum Tube Projects—Harry Zarchy—*Crowell*, 148 p., illus. by author, \$2.95. Amateur's manual, describes practical projects.

THE CASE OF THE MISSING LINK—Eleanor Clymer, foreword by Loren Eiseley—*Basic Bks*, 118 p., illus. by Robert Reid Macguire, \$3.75. The story of man's ancestors, told for young people.

CURRENT RESEARCH AND DEVELOPMENT IN SCIENTIFIC DOCUMENTATION, No. 10—*National Science Foundation (GPO)*, 383 p., paper, \$1.25. Summarizes current projects on information needs and uses, storage and retrieval, mechanical translation, and related research.

THE DEAD SEA SCROLLS IN ENGLISH—G. Vermes—*Penguin*, 255 p., paper, \$1.25. A translation of the non-biblical scrolls from the Qumran caves, with brief introductory comment on each.

THE EVOLUTION OF MAN—G. H. R. von Koenigswald, transl. from German—*Univ. of Mich. Press*, 148 p., illus., \$5; paper, \$1.95. Brief and authoritative account of the origin and evolution of man.

EXPERIMENTS IN GENETICS WITH DROSOPHILA—Monroe W. Strickberger—*Wiley*, 144 p., illus., paper, \$3.95. Laboratory manual with large choice of experiments, suitable for independent student research projects.

HOW TO PREPARE EFFECTIVE ENGINEERING PROPOSALS—Emerson Clarke—*TW Pubs.*, 212 p., illus., \$6.95. Workbook for the proposal writer.

INTEGRALS OF BESSEL FUNCTIONS—Yudell L. Luke—*McGraw*, 419 p., \$12.50. Designed to provide research worker with basic information on indefinite integrals.

RAPID CALCULATIONS

by A. H. Russell

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INTRODUCTION TO ELECTRON MICROSCOPY—Saul Wischnitzer—*Pergamon*, 132 p., illus., \$6.50. Explains the principles of electron microscopy with the aid of many diagrams.

INVERTEBRATE ZOOLOGY: Laboratory Workbook—D. Elden Beck and Lee F. Braithwaite—*Burgess*, 2nd ed., 289 p., illus., paper, \$5. Contains exercises using live inland specimens.

JOSEPH PRIESTLEY: Selections from His Writings—Ira V. Brown, Ed.—*Pa. State Univ. Press*, 343 p., illus., \$5.50. Memoirs, essays and lectures on scientific and philosophical ideas by an 18th century scientist.

THE JUNIOR SCIENTIST—N. F. Newbury and H. A. Armstrong—*Sterling*, 96 p., illus. by Gerald Wilkinson, \$2.95. Simple experiments for children.

LIFE HISTORIES OF NORTH AMERICAN SHORE BIRDS, Part I and II—Arthur Cleveland Bent—*Dover*, 420 p., 412 p., 121 plates, paper, \$2.35 each. Covers phalaropes, sandpipers, plovers, curlews and others, originally published by Smithsonian Institution in 1927/29.

LIFE HISTORIES OF NORTH AMERICAN WILD FOWL, Part I and II—Arthur Cleveland Bent—*Dover*, 244 p., 314 p., 106 plates, paper, \$2.35 each. Unabridged reprint (1923/25), covers mergansers, ducks, eiders, swans and others.

THE LIFE STORY OF THE FISH: His Morals and Manners—Brian Curtis—*Dover*, 284 p., illus., paper, \$1.50. Reprint (1949) of informally written book by ichthyologist for the layman.

A LOOK AT THE MOON—John and Cathy Polgreen—*Doubleday*, unpagged, illus. by authors, \$1.50. Answers a boy's first questions about the moon.

LOST TRIBES AND SUNKEN CONTINENTS: Myth and Method in the Study of American Indians—Robert Wauchope—*Univ. of Chicago Press*, 155 p., illus., \$3.95. Surveys popular beliefs and examines anthropological evidence for belief in the Asiatic origin of American Indians.

MARCH OF THE ROBOTS: From the Manikins of Antiquity to the Space Robots of Tomorrow—Gary Jennings—*Dial Press*, 152 p., illus. by author, \$2.95. The story of robots, from early mechanical tricks to electronic computers in space.

METEORITES—Brian Mason—*Wiley*, 274 p., illus., \$7.95. Comprehensive account of the present knowledge of meteorites, with emphasis on their mineralogical and chemical composition and structure. Includes discussion of tektites, list of U.S. meteorites, and bibliography.

THE MOSQUITOES OF THE SOUTH PACIFIC (*Diptera, Culicidae*), Vols. I and II—John N. Belkin—*Univ. of Calif. Press*, 608 p., 412 p., illus. by Charles L. Hogue, \$20. Preliminary, systematic survey and analysis of what is known about the mosquito fauna of the area, with inferences to its origin, history and evolution.

THE OCEAN RIVER—Henry Chapin and F. G. Walton Smith—*Scribner*, 325 p., diagrams, paper, \$1.65. Reprint (1952), with new preface to this study of the Gulf Stream.

PIUS XII AND TECHNOLOGY—Leo J. Haigerty, foreword by Walter J. Ong—*Bruce Pub. Co.*, 244 p., \$4.75. Selection of statements relating Catholic teaching to modern technology.

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PLANT KINGDOM LABORATORY SYLLABUS—Kent H. McKnight—*Burgess*, 135 p., illus. by Vera B. McKnight, paper, \$3.75. Laboratory exercises, stressing the use of living material for study.

PREHISTORIC CRETE—R. W. Hutchinson—*Penguin Bks.*, 373 p., illus., 32 plates, paper, \$1.95. Archaeologist's account of what is known of the Minoan civilization today.

THE PREVALENCE OF PEOPLE—Marston Bates—*Scribner*, 283 p., paper, \$1.65. Reprint (1955) with new foreword by author.

THE QUEST OF ARCHIMEDES—Tad Harvey—*Doubleday*, 98 p., illus., \$2.75. For boys and girls.

RELATIVITY IN ILLUSTRATIONS—Jacob T. Schwartz—*N. Y. Univ. Press*, 117 p., illus., by Felix Cooper, \$5. Written in nontechnical language, the author constructs graphically the basic parts of the theory of relativity.

RESOURCES FOR MEDICAL RESEARCH—National Institutes of Health—*PHS (GPO)*, 15 p., paper, 20¢. Federal expenditures for medical and health-related research, 1960-1963.

RIVERS OF THE WORLD, Vol. I: Danube, Amazon, Niger, Ganges—Julian Popescu and others—*Walck, H. Z.*, 128 p., illus., \$3. For boys and girls.

SECRETS OF THE ANIMAL WORLD—F. J. Pootman—*Fleet Pub.*, 286 p., 170 photographs, \$5. A German scientific journalist's study of wildlife behavior.

A SHORT HISTORY OF SCIENTIFIC IDEAS TO 1900—Charles Singer—*Oxford Univ. Press*, 525 p., illus., paper, \$2.45. Reprint of 1959 edition, presenting in simple form the development of the concept of a material world, all parts of which are rationally interrelated.

THE SOLAR SYSTEM: Our New Front Yard—Clifford D. Simak—*St. Martins*, 290 p., photographs, \$4.50. For young people, entertainingly written discussion of what is known about the solar system.

SPACE MEDICINE—Ursula T. Slager—*Prentice-Hall*, 388 p., illus., \$4.95. Covers the basic principles of the ecology of space, the biodynamics of space flight and the requirements and stresses of the space cabin.

A STUDY OF HISTORY, Vols. IV to VI: The Breakdowns of Civilizations. The Disintegrations of Civilizations (Parts 1 and 2)—*Oxford Univ. Press*, 656 p., 712 p., 633 p., paper, index, \$2.65, \$2.75, \$2.45. Unabridged republication, first issued in 1939.

TABLE OF SINES AND COSINES TO TEN DECIMAL PLACES AT THOUSANDTHS OF A DEGREE—Herbert E. Salzer and Norman Levine—*Pergamon*, unpagged, \$10.

TERRY AND THE CATERPILLARS—Millicent E. Selsam—*Harper & Row*, 64 p., illus. by Arnold Lobel, \$1.95. For very young readers.

VERTICAL TAKEOFF AND LANDING AIRCRAFT—John Paul Campbell—*Macmillan*, 202 p., illus. by Joseph S. Denn, photographs, \$7.50. Discusses the newer VTOL aircraft types, their distinguishing features, hovering flight and ground effect machines.

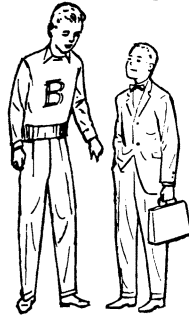
WORLD EVENTS: The Annual Register of the Year 1961—Sir Ivison Macadam, Ed., with Margaret Cleve—*Penguin*, 600 p., paper, \$3.95. Covers the year's events in the five continents, includes special section on science.

THE WORLD OF THE WHITE-TAILED DEER—Leonard Lee Rue, III—*Lippincott*, 134 p., photographs by author, \$4.95. Intimate and informative picture-and-text study of the deer in his natural surroundings through the seasons.

X-RAY MICROANALYSIS IN BIOLOGY AND MEDICINE—Arne Engstroem—*Elsevier (N. Y.)*, 92 p., illus., \$3.75. Written primarily for those who want to understand and apply X-ray micro-analytic techniques for the solution of biological and medical problems.

• Science News Letter, 82:260 October 20, 1962

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