

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.

BIRDS IN COLOUR—Bruce Campbell—*Penguin*, 103 p., illus. by Karl Aage Tinggaard, \$4.50. Pictorial guide to identify 250 most frequently seen birds of Great Britain.

CIVILIAN POWER REACTOR PROGRAM, Part III: Status Report on Heavy Water Moderated Reactors as of 1959—U. S. Atomic Energy Commission—*GPO*, 40 p., illus., charts, paper, \$2.25.

HOW ABOUT COLLEGE FINANCING: Counselor's Manual—Carl O. Peets, Ed.—*Am. Personnel & Guidance Assn.*, 43 p., paper, \$1. For high school counselors, supplement to "How About College Financing," 20 p., paper, 30¢, a guide for parents of college-bound students.

CRYOPHYSICS—K. Mendelssohn—*Interscience*, 183 p., illus., \$4.50; paper, \$2.50. Provides short but comprehensive account of low temperature physics, can serve as an introduction to the subject or general survey of the field.

CULTURE AND MENTAL HEALTH: Cross-Cultural Studies—Marvin K. Opler, Ed.—*Macmillan*, 533 p., \$8.75. Compendium of 23 interdisciplinary contributions to social psychiatry, dealing with the variable effect of culture or cultural stress on mental health in various parts of the world.

THE DOUBLEDAY PICTORIAL LIBRARY OF SCIENCE: Chemistry, Physics, Astronomy—J. Bronowski, Sir Gerald Barry, James Fisher and Sir Julian Huxley, Eds.—*Doubleday*, 367 p., illus. by Hans Erni, \$9.95. A readable reference volume, organized as an integrated whole, with index and glossary, for young and old.

DRUMS, RATTLES, AND BELLS—Larry Kettelkamp—*Morrow*, 48 p., illus. by author, \$2.75. A child's book about percussion instruments, from ancient to modern times.

ECOLOGY OF THE PEREGRINE AND GYRFALCON POPULATIONS IN ALASKA—Tom J. Cade—*Univ. of Calif. Press*, 270 p., 26 plates, paper, \$2.50. Sets forth an ecological comparison of the two populations of falcons as they now exist in Alaska.

ELECTRONIC BUSINESS MACHINES—J. H. Leveson, Ed.—*Philosophical Lib.*, 272 p., \$15. Based on series of lectures given at Dundee Technical College, Scotland, book discusses

programming and electronic data processing for business purposes.

ELEMENTARY INTRODUCTION TO NUCLEAR REACTOR PHYSICS—S. E. Liverhart—*Wiley*, 447 p., illus., \$9.75. Intended as a textbook for undergraduate course, requiring mathematical skill not beyond calculus and elementary differential equations.

THE FIRMAMENT OF TIME—Loren Eiseley—*Atheneum*, 183 p., \$3.50. Series of lectures exploring the changes in man's vision of nature and himself under the impact of advances in the study of geology, anthropology and biology.

FROZEN FREE RADICALS—G. J. Minkoff, foreword by H. P. Broida—*Interscience*, 148 p., illus., \$5. Monograph presenting the chemical aspects of trapped radicals, also shows the relation of recent studies to their historical antecedents.

GENERAL THEORY OF BANACH ALGEBRAS—Charles E. Rickart—*Van Nostrand*, 394 p., \$10.50. Systematic account of the general theory, with main emphasis on the algebraic aspects of the theory of Banach algebras.

GROUP THEORY IN QUANTUM MECHANICS: An Introduction to its Present Usage—Volker Heine—*Pergamon*, 468 p., \$15. Course for research students in physics and chemistry, assuming a previous course in quantum theory. Matrix algebra required is included as an appendix.

HOW TO VISIT COLLEGES: A Handbook for Students, Parents, Counselors, Principals and Teachers—*Nat. Vocational Guidance Assn.*, rev. ed., 28 p., illus., paper, 30¢ direct to publisher, 1605 New Hampshire Ave., N. W., Washington 9, D. C. Tells about the why, when and how of exploratory college visits.

IMMUNIZATION INFORMATION FOR INTERNATIONAL TRAVEL—U. S. Public Health Service (*GPO*), rev. ed., 83 p., paper, 25¢. Prepared by the Epidemiology and Domestic Operations Branch, Division of Foreign Quarantine.

INVITATION TO MATHEMATICS—Donovan A. Johnson and William H. Glenn—*Webster Pub. Co.*, 64 p., illus., paper, 85¢. Stimulating booklet, gives young student a bird's-eye view of mathematics and of some of the contributions of great mathematicians.

THE MANAGEMENT OF THE DOCTOR-PATIENT RELATIONSHIP—Richard H. Blum, foreword by Joseph Sadusk and Rollen Waterson—*McGraw*, 304 p., \$8.50. To help the doctor understand why patients behave the way they do, and to help him prevent patient dissatisfaction.

MASS COMMUNICATIONS: A Book of Readings—Wilbur Schramm, Ed.—*Univ. of Ill. Press*, 2nd ed., 695 p., \$6.50. Views the various media of mass communication through the writings of outstanding anthropologists, psychologists, sociologists and professional mass communicators.

MEADOWS IN THE SEA—Alida Malkus—*World Pub. Co.*, 71 p., illus. by Margaret Cosgrave, \$2.75. Introduces young readers to the world of plankton, protozoa, crustaceans and mollusks.

NUMBER PATTERNS—William H. Glenn and Donovan A. Johnson—*Webster Pub. Co.*, 47 p., illus., paper, 75¢. Designed to help high school students develop sensitivity to number patterns.

SYMPOSIUM ON NEWER METALS—R. I. Jaffee and others—*Am. Soc. for Testing Materials*, 218 p., illus., \$7.25. Discusses properties of refractory metals, nuclear and light metals, and processing of newer metals.

TOPOLOGY: The Rubber-Sheet Geometry—Donovan A. Johnson and William H. Glenn—*Webster Pub. Co.*, 40 p., illus., paper, 69¢. Invites young students to explore the mathematics of curves, regions, networks and three-dimensional surfaces.

UNDERSTANDING NUMERATION SYSTEMS—Donovan A. Johnson and William H. Glenn—*Webster Pub. Co.*, 56 p., illus., paper, 80¢. Booklet introduces student to various numeration systems and their bases; includes exercises.

THE WEB OF NATURE—Ted S. Pettit—*Garden City Bks.*, 56 p., illus. by G. Don Ray, \$2.95. Picture-book about ecology, explains natural plant and wildlife communities and the need for conservation.

WORKING-CLASS SUBURB: A Study of Auto Workers in Suburbia—Bennett M. Berger—*Univ. of Calif. Press*, 143 p., \$3.50. Study based on interviews with 100 families from a suburb in the San Francisco Bay area.

THE WORLD OF MATHEMATICS, Vol. 1-4—Commentaries and notes by James R. Newman—*Simon & Schuster*, 2535 p., illus., paper, boxed set, \$9.95. An anthology of the literature of mathematics, from A'h-mose the Scribe to Albert Einstein, for layman and expert.

WORLD OF THE MAYA—Victor W. Von Hagen—*New Am. Lib.*, 224 p., illus. by Alberto Beltran, paper, 50¢. A concise account of this ancient American civilization.

YOGA: A Scientific Evaluation—Kovoor T. Behanan, foreword by Walter R. Miles—*Dover*, 270 p., paper, \$1.65. A sympathetic presentation and appraisal of Yoga by an Indian scholar, also well-versed in Western philosophy. First published in 1937.

YOUR CHILD'S CARE: 1001 Questions and Answers—Harry R. Litchfield and Leon H. Dembo—*Doubleday*, rev. ed., 257 p., \$3.95. Up-to-date pediatric handbook for mothers.

• Science News Letter, 78:172 September 10, 1960

Do You Know

Fusicocum canker and Coryneum canker, two diseases recently found on blueberry in eastern Massachusetts, pose a serious threat to the *blueberry industry* in this area.

There are two principal types of *deafness*: conductive hearing loss, or middle ear deafness; and perceptive, or nerve deafness.

It is estimated that for every mile walked, 250 tons of *stress* are put upon the feet.

A study has recently been completed further establishing the existence of a chemical basis for behavior, and showing that the environment can apparently change the *brain chemistry*.

A noted entomologist says that with the exploding *population*, mankind has only 50 more years of steaks, and that bees, which are very nutritious, will soon become a staple of diet.

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