

Books of the Week

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ANIMAL WORLDS—Marston Bates—Random House, 316 p., illus., maps, 100 color photographs, \$15. Describes the different environments in which animals live and how they meet the conditions of life in each natural community.

BIRDS WE LIVE WITH—Carroll Lane Fenton and Herminie B. Kitchen—Day, 128 p., illus. by C. L. Fenton, \$3.50. Tells the story of tame and domesticated birds, for boys and girls.

A BOOK OF ASTRONAUTS FOR YOU—Franklyn M. Branley—Crowell, unpag., illus. by Leonard Kessler, \$3.50. Tells children about the selection and training of astronauts.

BUILDINGS FOR THE ELDERLY—Norerre Musson and Helen Heusinkveld—Reinhold, 216 p., illus., \$15. Book examines the kinds of newly planned residences now available and popular, and evaluates current concepts.

BUTTERFLIES: A Golden Book of 187 Familiar North American Butterflies—J. F. Gates Clarke, Herbert S. Zim, Ed.—Golden Press, 68 p., illus. by Andre Durenceau, \$2.95. An invitation to young and old to learn more about the butterflies in their neighborhood.

CRYOGENICS: Research and Applications—Marshall Sittig—Van Nostrand, 221 p., illus. by Stephen Kidd, \$6.75. Explains the phenomena encountered at low temperatures where electric currents flow continuously in metal, addressed to the biologist, chemist and electrical engineer.

DISCOVERING MEANINGS IN ELEMENTARY SCHOOL MATHEMATICS—Foster E. Grossnickle and Leo J. Brueckner—Holt, 4th ed., 468 p., illus., \$6.75. Emphasizes the newer concepts of mathematics and shows how to introduce algebra and geometry in the elementary school.

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THE EDUCATOR AND THE ATOM: A Report of the Symposium on Nuclear Education—Sanborn C. Brown, Chmn.—Baird Atomic, 46 p., illus., paper, single copies free upon request direct to publisher, 33 University Road, Cambridge 38, Mass. Includes discussion of techniques and laboratory experiments.

ELECTRICITY IN YOUR LIFE—Eugene David—Prentice-Hall, 72 p., illus. by Alike, \$2.95. Basic facts of electricity on elementary school level, amusingly illustrated.

ELECTRONIC STRUCTURE, PROPERTIES AND THE PERIODIC LAW—Harry H. Sisler—Reinhold, 120 p., illus., paper, \$1.95. Modern chemistry text, examines the manner in which the structure of the various atoms change with atomic number, and develops facility in the prediction of properties of atoms by their positions in the Periodic System.

ELEMENTS OF RHETORIC: Comprising an Analysis of the Laws of Moral Evidence and of Persuasion with Rules for Argumentative Composition and Elocution—Richard Whately, ed. by Douglas Ehninger, foreword by David Potter—Southern Ill. Univ. Press, 479 p., \$7. Evaluation of practical and influential text first printed in 1828.

EXPERIMENTAL BIOLOGY: Roads to Research—William Berman—Sentinel Bks., 128 p., illus., paper, \$1. Sourcebook of projects on secondary school level, experimenting with plant cancer, enzymes, basal metabolism, hydroponics and other phenomena.

THE FBI STORY: Young Reader's Edition—Don Whitehead, foreword by J. Edgar Hoover—Random House, 172 p., photographs, \$3.95. Tells about the precision work in tracking down criminals.

THE FALLEN SKY: Medical Consequences of Theronuclear War—Saul Aronow, Frank R. Ervin and Victor W. Sidel, Eds.—Hill & Wang, 134 p., diagrams, \$3.50; paper, \$1.50. Written by physicians for physicians, describing the biological, physical and psychological consequences of a thermonuclear attack.

THE FIRST BOOK OF MECHANICAL DRAWING—Jerome S. Meyer—Watts, F., 66 p., illus. by author, \$2.50. Shows young people the elements of good draftsmanship.

FOOD COMPOSITION AND ANALYSIS—Howard O. Tribold and Leonard W. Aurand—Van Nostrand, 497 p., illus., \$12.50. Presents in detail for chemists and food technologists the general procedures and the physicochemical methods used in food analysis.

FUN AND EXPERIMENTS WITH LIGHT—Mae and Ira Freeman—Random House, 60 p., photographs, \$1.95. Simple experiments children can duplicate.

GENERAL BIOLOGY—Andrew Stauffer, Ed.—Van Nostrand, 526 p., illus., \$8.75. Introductory text provides unitary concept of the living world.

HI-FI PROJECTS FOR THE HOBBYIST—Leonard Feldman—Sams, 128 p., illus., paper, \$2.50.



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Describes 20 projects, such as adding loudness control, tuning indicator installation and installing aural balance control.

HOW ANIMALS MOVE—James Gray—Penguin, 144 p., illus. by Edward Bowden, 18 plates, paper, 95¢. Six Christmans lectures delivered to a juvenile audience at the Royal Institution, showing how animal movements obey the same fundamental laws which govern the movements of inanimate things.

HUMAN EVOLUTION: Physical Anthropology and the Origin of Man—Gabriel W. Lasker—Holt, 118 p., illus., \$2.50. Concise and nontechnical presentation for the general reader and student.

INDONESIA—Ruth T. McVey, Ed.—HRAF Press (Taplinger), 600 p., folded maps, \$12. An up-to-date and comprehensive study of Indonesia based on a three-volume monograph originally produced by a research team at Yale University in 1956.

INDUSTRIAL WASTES AND SALVAGE: Conservation and Utilization—Charles H. Lipsitt—Atlas Pub. Co., 2nd ed., 406 p., \$12. Nontechnical description of sources, collection, reprocessing and marketing of wide variety of "secondary raw materials."

INTENSION AND DECISION: A Philosophical Study—Richard M. Martin—Prentice-Hall, 159 p., \$4.50. Develops a systematic theory of subjective intensions upon the basis of modern syntax, semantics and decision theory.

THE LANGUAGE OF MATHEMATICS—M. Evans Munroe—Univ. of Mich. Press, 94 p., diagrams, \$4; paper, \$1.95. Explores the basic ideas of mathematics and the symbols used to express them, and defines such concepts as number, parabola, quantification and locus.

LO CHAU OF HONG KONG—Betty Cavanna—Watts, F., 76 p., photographs by George Russell Harrison, \$3.95. Describes a young boy's life in Hong Kong.

MANGROVE ISLAND—Marjory Rutlett Sanger—World Pub. Co., 82 p., illus. by Russell Peterson, \$2.95. Introduces young readers to the land-building mangrove trees and the wildlife they shelter.

THE MATHEMATICAL THEORY OF COMMUNICATION—Claude E. Shannon and Warren Weaver—Univ. of Ill. Press, 117 p., paper, 95¢. Originally published in 1949.

METHODS OF ENZYMOLOGICAL ANALYSIS—Hans-Ulrich Bergmeyer, Ed., transl. from German by Dermot H. Williamson—Academic Press, 1,064 p., illus., \$30. Outlines the basis of enzymatic analysis, gives detailed directions for the determination of substrates and assay of enzyme activities, and describes commercially available biochemical reagents and their application to enzymatic analysis.

A MILLION YEARS OF MAN: The Story of Human Development as a Part of Nature—Richard Carrington—World Pub. Co., 336 p., illus., \$7.50. The history of man's physical and mental evolution.

MOTION AND TIME STUDY: Design and Measurement of Work—Ralph M. Barnes—Wiley, 5th ed., 739 p., illus., \$8.95. Presents the best current practice in methods design and work measurement, also covers today's methods of determining what constitutes a day's work.

MUSKRAT POPULATIONS—Paul L. Errington—Iowa State Univ. Press, 665 p., illus., \$8.50. A thoroughly scientific yet readable work on one of the most widely distributed mammalian species native of North America, based on 25 years of field studies.

NUCLEAR PHYSICS: Proceedings of the International School of Physics "Enrico Fermi," Course XXIII—V. F. Weisskopf, Ed.—Italian Physical Society (Academic Press), 186 p., illus., \$7.50. Lectures and seminars.

OUR ANIMAL RESOURCES: Animals and Their Economic Importance—Frederick L. Fitzpatrick—Holt, 128 p., illus., \$2.50. Compact and informative, for the general reader.

PICTORIAL GUIDE TO MOON—Dinsmore Alter—Crowell, 183 p., illus., 110 photographs, \$6.95. Presents data and features of the moon's surface and the current hypotheses as to their origin in layman's language, to serve as an informed background to understand present efforts to reach the moon.

PLANT SCIENCE: A Workbook with an Audio Program Approach—Samuel N. Postlethwait—Burgess, 149 p., illus., paper, \$4. Freshman botany course built around supervised study using audio tape.

THE WALL STREET THESAURUS—Paul Sar-noff—Obolensky, 250 p., \$6.50. Clear explanations of the professional terms and phrases used by brokers and bankers, from "account" to "zero balance."

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