

Books of the Week

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ANIMAL BEHAVIOR—Niko Tinbergen and the Editors of LIFE—Time-Life Bks., 200 p., illus., 72 p. in color, \$3.95 direct to publisher, 540 N. Mich. Ave., Chicago 11, Ill. Presents the work of behavioral scientists and zoologists, discusses the senses of animals, and shows the ways in which laboratory and field studies give us insight into the behavior of animals.

BIOGRAPHY OF AN ATOM—J. Bronowski and Millicent E. Selsam—Harper, 43 p., illus. by Weimer Pursell, photographs, \$2.95. With a minimum of words and many helpful diagrams, the authors by way of the carbon atom explain the link between stars and man.

BIRDS AND THEIR BEAKS—Olive L. Earle—Morrow, 64 p., illus. by author, \$2.75. Short, handsomely illustrated descriptions of 46 birds, representing a great variety of bills and beaks.

THE CASINO GAMBLER'S GUIDE—Allan N. Wilson—Harper, 319 p., diagrams, \$6.95. A mathematician and computer programmer, the author demonstrates playing strategy and correct odds in blackjack, roulette, baccarat and other casino games.

COTTON BOLL WEAVER: Abstracts of Research Publications, 1843-1960—Henry A. Dunn—USDA (GPO), 194 p., paper, \$1. Grouped by subject, the listing is chronological, with author index.

CRYSTALS: Their Role in Nature and in Science—Charles Bunn—Academic Press, 286 p., illus., \$6.50; paper, \$3.45. Addressed to natural philosophers, whether beginning students of crystallography or laymen, this book treats the essential facts and ideas about crystal growth and form, their structure and interaction with light and X-rays.

CURRENT RESEARCH AND DEVELOPMENT IN SCIENTIFIC DOCUMENTATION, No. 13—National Science Foundation, Office of Science Information Service—GPO, 486 p., paper, \$1.75. Describes research activities in scientific documentation, on information needs and uses, storage and retrieval, mechanical translation, equipment, and related research.

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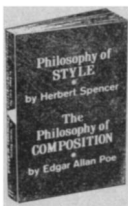
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—Rex Miller and Fred W. Culpepper, Jr.—McKnight & McKnight Pubs., 235 p., illus., \$5.20. Textbook for a first course in electricity and electronics. Also available in professional edition, 243 p., \$6, giving teacher instant reference to teaching aids, lecture notes and points to emphasize. Laboratory manual (152 p., illus., paper, \$1.80) contains 36 experiments.

THE ENORMOUS ZOO: A Profile of the Uganda National Parks—Colin Willock—Harcourt, 210 p., photographs, \$5.95. Describes what an African national park is like, how it comes into being, how it creates its own problems and how scientists are trying to solve them.

EVERYDAY MIRACLE—Gustav Eckstein—Harper, 146 p., illus. by Kevin McIntyre, \$3.50. Selected animal stories from physiologist's books, for younger readers.

FIRST-YEAR COLLEGE CHEMISTRY—John R. Lewis—Barnes & Noble, 8th ed., 350 p., diagrams, paper, \$1.75. College outline, up-to-date survey with general review questions and answers.

FLOWER BOX MYSTERY—Gertrude Blane—Melmont Pubs. (Childrens Press), 62 p., illus. by Louis Zansky, \$1.50. A story for young city children, about growing plants.

THE FLYING ROBIN—Peter Thayer—Melmont Pubs. (Childrens Press), 64 p., illus. by Kathleen Elgin, \$1.50. Acquaints young readers with some habits of birds.

GRAPHICAL DATA ANALYSIS WITH PROBABILITY PAPERS—James R. King—TEAM Special Purpose Graph Papers, 20 p., paper, \$1.50 direct to publisher, 104 Belrose Ave., Lowell, Mass. Reference of techniques and methods of graphical data analysis using probability papers.

GROUPS AND THEIR GRAPHS—Israel Grossman and Wilhelm Magnus—Random House, 195 p., diagrams, paper, \$1.95. Exposition of group theory at an elementary level, leading from the concrete to the abstract, from the simple to the complex.

INDUSTRIAL R & D FUNDS in Relation to Other Economic Variables—National Science Foundation—GPO, 124 p., paper, 65¢. Analyzes selected variables in large manufacturing companies having R&D programs and makes comparisons with large companies not reporting R&D programs.

INTERNATIONAL REVIEW OF GENERAL AND EXPERIMENTAL ZOOLOGY, Vol. 1—William J. L. Felts and Richard J. Harrison, Eds.—Academic Press, 445 p., illus., \$14.50. Includes studies on the biology of foraminifera, longevity in biting insects, and evolution of mineralized tissues.

LET'S GET TURTLES—Millicent E. Selsam—Harper, 64 p., illus. by Arnold Lobel, \$1.95. A charmingly illustrated first reader about two little boys finding out some facts about their turtles.

LOBSTER STORAGE AND SHIPMENT—D. W. McLeese and D. G. Wilder—Fisheries Research Bd.

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of Canada (Queen's Printer, Ottawa). 69 p., photographs, maps, \$1.75. On the life history of the lobster, the fishery and conditions required for storage and shipment.

MAJOR ACTIVITIES IN THE ATOMIC ENERGY PROGRAMS, January-December 1964—U.S. Atomic Energy Commission—GPO, 443 p., photographs, paper, \$1.75. AEC's annual report, reporting on production and weapons programs, nuclear reactor programs, the Ploughshare program, international and regulatory activities.

MANUS RELIGION: An Ethnological Study of the Manus Natives of the Admiralty Islands—R. F. Fortune—Univ. of Neb. Press, 391 p., illus., paper, \$1.50. Reprint (1936) giving an account of the supernatural cult and moral system of a people.

MICROFILM TECHNOLOGY: Engineering and Related Fields—Carl E. Nelson—McGraw, 397 p., illus., \$16. Reference work mainly concerned with the application of unitized microfilm to engineering data, includes sample of a microfiche of 48 pages of classified bibliography.

MORE VOICES OF AFRICAN BIRDS—Miles E. W. North and Donald S. McChesney—Cornell Lab. of Ornithology (Houghton), 33 1/2 rpm record, 8 p. supplementary notes, \$7.75. The sequence of voices on the record follows C. W. Mackworth-Praed and C. H. B. Grant's BIRDS OF EASTERN AND NORTH EASTERN AFRICA, giving songs and calls of 90 species found in Kenya, Uganda and Tanganyika.

NERVOUS TENSION, BEHAVIOR AND BODY FUNCTION—Helen B. Barton, M.D.—Philosophical Lib., 336 p., \$6. Explores and relates human tensions to the evolution of the nervous system, explaining both the greater cerebral capacity of the human and his self-destructive impulses which often overrule his reason.

PLUTONIUM—William N. Miner—USAEC, 52 p., illus., paper, single copies free upon request direct to USAEC, P.O. Box 62, Oak Ridge, Tenn. About the nature, early work with, properties, uses and handling of this energy-loaded radioactive element.

QUASI-STAR COLLAPSE: Including the Proceedings of the First Texas Symposium on Relativistic Astrophysics—Ivor Robinson, Alfred Schild and E. L. Schucking, Eds.—Univ. of Chicago Press, 475 p., illus., \$10. Papers deal with gravitational collapse, identification of galaxies with radio sources, quasars, origin of radio sources, superdense stars and other aspects of "great energy physics."

SERENDIPITY AND THE THREE PRINCES: From the Perginaggio of 1557—Theodore G. Remer, Ed., preface by W. S. Lewis—Univ. of Okla. Press, 199 p., \$4.95. A scholarly book about Walpole's use of the word, its subsequent abuse, the history of The Three Princes, its fantastic attribution to Walpole, and a translation of the work itself.

SHORE WILDFLOWERS OF CALIFORNIA, OREGON AND WASHINGTON—Philip A. Munz—Univ. of Calif. Press, 122 p., 96 color photographs, 177 drawings, \$4.75; paper, \$2.95. A guide to enable the layman to identify and understand the relationship of plants, from ferns to trees growing on the West Coast.

SORT GUIDE TO THE PERENNIAL GARDEN FLOWERS—George W. Kelly—Crown Pubs., 150 cards, 8 p., illus. by Joyce Thode, boxed, \$4.95. An aid for the home gardener to help him pick the right flower for the right place, according to color, season, height, cultural needs and other characteristics.

TESTING DC MOTORS & GENERATORS—Samuel Heller—TAB Bks. (Thurmont, Md.), 62 p., diagrams, paper, \$2.50.

333 MOTOR REPAIR PROBLEMS SOLVED—TAB Bks. (Thurmont, Md.), 63 p., paper, \$1.95. Answers questions ranging from bearings to varnish.

UNDERSTANDING LASERS AND MASERS—Stanley Leinwoll—Rider, J. F., 88 p., illus., paper, \$1.95. Explains what masers and lasers are, how they work, what they can do, and describes actual laser products on the market.

WHAT CAN YOU DO ABOUT QUARRELING?—Harry Milt—Public Affairs Pamphlets, 20 p., illus. by Dick Shelton, 25¢ direct to publisher, 381 Park Ave. S., New York 10016. Offers concrete suggestions for controlling marital quarrels often based on the individual's need to battle for a sense of worth throughout adult life. (See p. 169)

• Science News Letter, 87:172 March 13, 1965

Do You Know?

Deaths from chronic *emphysema*, a crippling lung disease, have more than quadrupled in the last 10 years.

Man's intricate *inner ear* cannot be examined during life because of its inaccessible location within the temporal bone, the hardest bone in the human body.

• Science News Letter, 87:172 March 13, 1965