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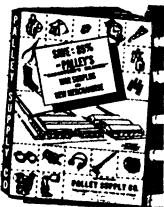
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# Books of the Week

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.

**ANIMAL COURTSHIP**—Maurice Burton—*Praeger*, 267 p., illus., \$4.00. The author points out that in animal courtship, as in human courtship, symbolism and ceremony play a very large part.

**BUFO: The Story of a Toad**—Robert M. McClung—*Morrow*, 48 p., illus., \$2.00. Written by the curator of mammals and birds at the Bronx Zoo, this book tells the very young about the first three years in the life of a toad.

**CHEMICAL PATHWAYS OF METABOLISM**, Volume II—David M. Greenberg, Ed.—*Academic*, 383 p., illus., \$9.50. Six experts contribute to this study of metabolism.

**DIRECTORY FOR EXCEPTIONAL CHILDREN: Schools, Services and Other Facilities**—E. Nelson Hayes, Ed., with preface by M. E. Frampton and E. D. Gall—*Porter Sargent*, 96 p., cloth \$2.20, paper \$1.10. Facilities and services, both public and private, to meet the needs of the estimated 12% of all school-age children who require special attention.

**ENTIRE FUNCTIONS**—Ralph Philip Boas Jr.—*Academic*, 276 p., \$6.00. Not intended to be a comprehensive treatise on entire functions, but rather to give an account of the extensive modern theory of functions of exponential type.

**F.B.I.: The "G-Men's" Weapons and Tactics for Combatting Crime**—C. B. Colby—*Coward-McCann*, 48 p., illus., \$1.00. This picture book, illustrated with official FBI photographs, tells the story of scientific crime detection and the rounding up and capture of criminals and spies.

**FROGMEN: Training, Equipment and Operations of Our Navy's Undersea Fighters**—C. B. Colby—*Coward-McCann*, 48 p., illus., \$1.00. A picture book of official U. S. Navy photographs which show the story of the underwater demolition team.

**GENERAL ELECTRICITY**—E. W. Jones—*McKnight & McKnight*, 2nd ed., 120 p., illus., paper, \$1.25. Intended to give young people a practical working knowledge of common, everyday electricity, by explaining the basic principles of electricity and magnetism, as well as the operation and care of common household devices.

**MATHEMATICAL PUZZLES AND PASTIMES**—Aaron Bakst—*Van Nostrand*, 206 p., illus., \$3.75. The aim of this book, according to the author, is to dispel the idea that mathematics cannot be relaxing. Mathematical recreation may be thought of as permitting mathematics to "let down its hair," yet retaining proper regard for mathematical principles.

**THE MYOLOGY OF THE PECTORAL APPENDAGE OF THREE GENERA OF AMERICAN CUCKOOS**—Andrew J. Berger—*University of Michigan Press*, Miscellaneous Publications, Museum of Zoology, No. 85, 35 p., illus., paper, 50 cents. The wings of the three genera reported in this paper were selected for study largely because of the marked differences in their locomotor habits.

**NUMBERS: Fun and Facts**—J. Newton Friend—*Scribner's*, 208 p., illus., \$2.75. Telling the story of numbers, their origin and peculiarities, and of the traditions, legends and superstitions that have, over the ages, been associated with them.

**PAWS, HOOFS, AND FLIPPERS**—Olive L. Earle

—*Morrow*, 192 p., illus., \$3.50. "An animal's feet," the author explains, "are often an important clue to his order and they tell a great deal about the way he lives." This book for young people describes mammals of both land and sea.

**POLICE: The Work, Equipment and Training of Our Finest**—C. B. Colby—*Coward-McCann*, 48 p., illus., \$1.00. The official photographs in this book illustrate the operations of a modern police force.

**PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE: Vol. 63, 1953**—Benjamin Moulton, Ed.—*Indiana State Library*, 292 p., illus., paper, \$3.00.

**QUALITATIVE ANALYSIS: Using Semimicro Methods**—Esmarch S. Gilreath—*McGraw-Hill*, 287 p., illus., \$4.25. A text for a one-semester course written to answer the demand for a broader theoretical approach with less emphasis upon laboratory exercises.

**REPORT OF THE COMMITTEE ON THE MEASUREMENT OF GEOLOGIC TIME 1952-1953**—John Putman Marble, Chairman—*National Academy of Sciences—National Research Council*, Publication No. 319, 187 p., paper, \$1.50. The latest in the series of annual reports of the committee.

**SELECTED PAPERS ON NOISE AND STOCHASTIC PROCESSES**—Nelson Wax, Ed.—*Dover*, 337 p., cloth \$3.50, paper \$2.00. Selected to meet the needs of physicists, mathematicians and engineers.

**SKYROCKETING INTO THE UNKNOWN**—Charles Coombs—*Morrow*, 256 p., illus., \$4.00. Excellent photographs, together with brief text, tell young people and their elders the story of rocket and jet plane developments in the U. S. and their bearing on the possibility of space travel in our lifetime.

**SMOKE EATERS: Trucks, Training and Tools of the Nation's Firemen**—C. B. Colby—*Coward-McCann*, 48 p., illus., \$1.00. A picture book on modern fire-fighting methods.

**SUCCESSFUL COMMERCIAL CHEMICAL DEVELOPMENT**—H. M. Corley, Ed.—*Wiley*, 374 p., illus., \$7.75. This book was authorized and sponsored by the Commercial Chemical Development Association to document the important principles in selecting promising new chemicals and developing them to the stage of economic importance.

**SYSTEMATICS AND ZOOGEOGRAPHY OF PHILIPPINE AMPHIBIA**—Robert F. Inger—*Chicago Natural History Museum*, Fieldiana: Zoology, Vol. 33, No. 4, 349 p., illus., paper, \$6.00. Written by the curator of amphibians and reptiles of the Museum.

**THE VITAMINS: Chemistry, Physiology, Pathology**, Vol. II—W. H. Sebrell Jr. and Robert S. Harris, Eds.—*Academic*, 766 p., illus., \$16.50. Second in a three-volume reference work, covering the vitamins from choline to pantothenic acid.

Science News Letter, September 18, 1954

Not more than a third of the total tonnage of vegetable crops grown in this country reaches the consumer; the rest represents waste leaves, tops, husks, cobs and vines that are often fed to livestock.