

# 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 priced at 95¢ or over, 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.

**ADVANCES IN ORGANIC CHEMISTRY AND RADIOCHEMISTRY, Vol. 2**—H. J. Emeleus and A. G. Sharpe, Eds.—*Academic*, 392 p., illus., \$12. This volume contains, among others, sections on organometallic compounds, stereochemistry of ionic solids, structures of compounds containing chains of sulfur atoms and mass spectrometry in nuclear chemistry.

**BASIC CARRIER TELEPHONY**—David Talley—*Rider*, 176 p., illus., \$5.75, paper \$4.25. Fundamental text for telephone and radio engineers as well as others in communications and electronics.

**THE CAMERA TOURING GUIDE TO EUROPE**—Compiled by the Editors, Overseas Correspondents and the Service Department of the Focal Press—*Ziff-Davis*, 176 p., illus., \$2.95. A pocket encyclopedia with facts and tips on photography in a score of countries.

**CIVIL AIR REGULATIONS FOR MECHANICS**—Associated Aeronautical Staff—*Aero Pub., Inc.*, 15th ed., 152 p., \$4.50, paper \$2.95. Federal Aviation Agency regulations applicable to mechanics working on either the structural part or the engine of an aircraft.

**COLOUR IN YOUR CAMERA: A book of colour photographs to show how to make colour photographs**—Gosta Skoglund—*Ziff-Davis*, 168 p., 250 color illus., \$6.95. Guide to film, camera or process for color photography with a beginner's section and a collection of tables summing up technical points and reference information.

**DEVELOPMENTS IN INDUSTRIAL MICROBIOLOGY**—Brinton M. Miller, Ed.—*Plenum Press*, 267 p.,

\$7.50. Proceedings of the 16th general meeting of the Society of Industrial Microbiology, State College, Pa., 1959. Covers topics such as antitumor antibiotics, space age microbiology, deterioration of proteins, etc.

**A DIRECT ENTRY TO ORGANIC CHEMISTRY**—John Read—*Harper*, 268 p., paper, \$1.45. An introduction to organic chemistry designed primarily for the layman and for the help of the college student.

**DISCOVERERS OF THE NEW WORLD**—Josef Berger with Lawrence C. Wroth—*American Heritage (Golden Press)*, 153 p., 154 illus., \$3.50. An account for the young reader of the long succession of explorations to the New World.

**THE HEART IN INDUSTRY**—Leon J. Warshaw, Ed.—*Harper*, 677 p., \$16. Reference work for the industrial physician and the private practitioner.

**HINTS AND KINKS FOR THE RADIO AMATEUR, Vol. 6**—*The American Radio Relay League*—128 p., illus., paper, \$1. Easy reference and practical suggestions for the radio amateur's workshop and station.

**THE HORSE BOOK**—John Rendel—*Arco Pub. Co.*, 144 p., illus., \$2.50. For horse lovers of all ages. Discusses all breeds and presents rules and explanations of horse shows, illustrating each topic with photographs.

**THE MEANING OF WILDERNESS TO SCIENCE: Proceedings, Sixth Biennial Wilderness Conference**—David Brower, Ed.—*Sierra Club*, 129 p., \$5.75. Contributions by experts in ecology from various parts of the world, exploring the values of wilderness in terms of their value to the fields of science.

**MECHANICS AND PROPERTIES OF MATTER**—Reginald J. Stephenson—*John Wiley*, 2nd ed., 367 p., illus., \$7.50. Deals primarily with the problems involved in Newtonian mechanics. The author has included a new section called "An Introduction to the Lagrange Equations."

**METROPOLIS AND REGION**—Otis Dudley Duncan and others—*Johns Hopkins*, 587 p., illus., \$8.50. Compilation of information on, and analysis of, the metropolitan structure of the United States. A base for measuring changes that population growth and technological advances have brought in the structure of our economy.

**THE MOBILE MANUAL FOR RADIO AMATEURS**—*American Radio Relay League*, 2d. ed., 282 p., illus., paper, \$2.50. A digest of QST articles on amateur mobile, emergency and portable equipment. Contains a large number of photographs and diagrams.

**NUMBERS OLD AND NEW**—Irving and Ruth Adler—*John Day*, 48 p., illus. by Peggy Adler, \$2. Shows young children the fun and usefulness of numbers.

**101 MORE WAYS TO USE YOUR SCOPE IN TV**—Robert G. Middleton—*Howard W. Sams (Bobbs-Merrill)*, 160 p., illus., paper, \$2.50.

## DAZZLE YOUR OPPONENTS WITH CHESS COMBINATIONS!

"Art of Chess Combination" by Znosko-Borovsky, only work teaching principles; acclaimed by champions and beginners alike. Basic ideas, how to interlock pieces, force occasions, etc. 223pp. \$1.45, 10¢ postage. Money-back guarantee. Dept. SNL. DOVER, 180 Varick St., N. Y. 14, N. Y.

A second volume on the use of the oscilloscope in TV troubleshooting. It includes waveform tests for several TV circuits.

**ONE MAN'S PLEASURE: A journal of the wilderness world**—Hugh Fosburg—*William Morrow*, 191 p., illus., \$4. The author's observations of and experiences with all forms of wildlife in the Adirondack Mountains.

**PLANT MORPHOGENESIS**—Edmund W. Sinnott—*McGraw-Hill*, 550 p., illus., \$12.50. Brings together the various aspects of the subject into a reference book to help teachers develop courses in the field.

**PLANT PATHOLOGY: An Advance Treatise: Vol. 3. The Diseased Population Epidemics and Control**—J. G. Horsfall and A. E. Dimond, Eds.—*Academic*, 675 p., illus., \$22. For the research worker.

**PLASMA PHYSICS**—J. G. Linhart—*North Holland Pub. Co. (Interscience)*, 278 p., \$7. Study of the behavior of plasma in various fields of force, including an extensive index of literature on plasma physics.

**A SHORT HISTORY OF CHEMISTRY**—J. R. Partington—*Harper*, 3d. ed., 415 p., illus., paper, \$1.95. Changes have been made in this edition to take into account recent studies and a new section on the theory of valency has been added.

**SURFACE AT THE POLE: The extraordinary voyages of the USS SKATE**—James Calvert—*McGraw-Hill*, 220 p., illus., \$4.75. The story of an atomic submarine and its famous voyages in 1958 and 1959, as told by the commander.

**THINGS THAT SPIN: From Tops to Atoms**—Irving and Ruth Adler—*John Day*, 48 p., illus., \$2. Explains to the young reader six basic facts about tops and their relation to things that occur in our universe.

**TWICE ACROSS NORTH AMERICA BY MOTOR-BOAT**—John Edwin Hogg—*Ziff-Davis*, 209 p., illus., \$4.95. About the problems and the joys of his transcontinental trips in 1925 and 1959.

**THE TWO-WAY MIRROR: National Status in Foreign Students' Adjustment**—Richard T. Morris with Oluf M. Davidsen—*Univ. of Minnesota Press*, 215 p., \$4.50. The fifth in a series of monographs presenting the factors that exert the most influence upon the adjustment of foreign students to life in the United States.

**WASHINGTON: A modern guide to the Nation's Capital**—Michael Frome—*Doubleday*, 257 p., maps and illustrations by Stephen Kraft, \$3.95. Gives the visitor or resident of Washington, D. C., helpful information on the life of the city, such as how to see a session of Congress or how to make a tour of Georgetown.

• Science News Letter, 78:92 August 6, 1960

## TECHNOLOGY

### Retention of Flavor In Dry Milk Storage

"GLUCOSE OXIDASE CATALASE" will substantially solve the problem of oxidation off-flavors that develop in dehydrated foods during storage. The "glucose oxidase catalase," an enzyme system that removes molecular oxygen from food products, will assure retention of excellent flavor during prolonged storage of dry whole milk and dry ice cream mix.

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• Science News Letter, 78:92 August 6, 1960



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## GYMNASTICS

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By PETER RODWELL

Physical Education Specialist

Gymnastics as an important key to physical development and control is what this book is about. It is based on anatomical principles. The recommendations aim at a balanced development of the muscular and nervous systems, as well as the attainment of physiological efficiency.

The method used is systematically to build up performance through a series of progressive practices (these comprise the major portion of the book) that are interesting, enjoyable, and self-contained; that develop confidence; and that train to a high degree of control and a good performance. With this method, a much higher standard in a greater number of gymnastic activities may be reached than was possible with former methods.

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