

# 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.

**ANALYTICAL ELEMENTS OF MECHANICS, Vol. 1**—Thomas R. Kane—*Academic*, 250 p., illus., \$4.75. Course in classical mechanics for sophomores, using vector analysis in the presentation of theory and the solution of problems.

**ANATOMY OF THE HUMAN BODY**—Henry Gray, Charles Mayo Goss, Ed.—*Lea & Febiger*, 27th rev. ed., 1458 p., 1174 illus., \$17.50. Centennial American edition of Gray's renowned text.

**A BOOK OF MOON ROCKETS FOR YOU**—Franklyn M. Branley—*Crowell*, unpag., illus. by Leonard Kessler, \$3. Informative picture book for young readers.

**CASSELL'S ITALIAN DICTIONARY: Italian-English and English-Italian**—Piero Rebori, asst'd by Francis M. Guercio and Arthur L. Hayward—*Funk*, 1079 p., \$7, thumb-indexed, \$7.75. Modern lexicon for the use of students of contemporary Italian, including words recurrent in the works of classic Italian authors.

**THE CLINICAL EVALUATION OF NEW DRUGS** by Fourteen Authors—S. O. Waife and Alvin P. Shapiro, Eds.—*Hoebner-Harper*, 223 p., \$7.50. Offers the career investigator and the part-time researcher methods and standards for the proper evaluation of new drugs and their experimental use in man.

**ENGINEERING AND INDUSTRIAL PSYCHOLOGY, Vol. 1, No. 1**—Lee W. Cozan, Ed.—*Engineering & Industrial Psychology*, 29 p., paper, quarterly, single copies \$2, annual subscription \$7. Publishes original investigations dealing with

the adaptation of human tasks and working environment to the psychological and physiological attributes of human beings.

**ENGINEERING EDUCATION IN RUSSIA**—Stephen P. Timoshenko—*McGraw*, 47 p., illus., \$2.75. Brief history of the development of Russian engineering education and description of its present status which, in the opinion of the author, has returned very nearly to the educational system which existed before the Communist revolution.

**ENZYMES OF POLYNUCLEOTIDE METABOLISM**—Jay S. Roth, Ed.—*N. Y. Acad. of Sciences, Annals*, Vol. 81, Art. 3, 293 p., illus., paper, \$5. Papers on ribonucleases, polynucleotide phosphorylases, structure and properties of synthetic polynucleotides and enzymes.

**EXPLORING BIOLOGY: The Science of Living Things**—Ella Thea Smith, Paul F. Brandwein, Ed.—*Harcourt*, 5th ed., 731 p., illus., \$5.20. High school course in biology with glossary, and fully indexed.

**A FIELD GUIDE TO BIRD SONGS** of Eastern and Central North America arranged to accompany, page by page, Roger Tory Peterson's *A Field Guide to the Birds* (\$3.95).—Peter Paul Kellog and Arthur A. Allen with Roger Tory Peterson—*Houghton*, 2 long-playing records, \$10. Songs and calls of more than 300 species of land and water birds recorded in the field by the Laboratory of Ornithology, Cornell University.

**FOOD: The Yearbook of Agriculture 1959**—Alfred Stefferud, Ed.—*U.S. Dept. of Agriculture (Govt. Print. Off.)*, 736 p., illus., \$2.25. Authoritative compendium of knowledge about nutrients, health and food needs, quality, costs, preparation and trends in food processing and consumption.

**THE FREUDIAN ETHIC**—Richard LaPiere—*Duell*, 299 p., \$5. Author analyzes the changing psychology of the American people and shows how and why they may be losing the very qualities that until now have made American society dynamic.

**HERITAGE OF HAWAII: Bernice P. Bishop Museum Annual Report for 1958**—Alexander Spoehr, Dir.—*Bishop Museum Press*, 34 p., illus., paper, single copies free upon request direct to publisher, Honolulu 17, Hawaii. Report on Museum's collections and scientific research programs.

**HOW CHILDREN LEARN TO SPEAK**—M. M. Lewis, introd. by A. D. Buchmueller—*Basic Bks.*, 144 p., \$3. British psychologist traces the pattern of development of baby's speech from the earliest sounds and cries to the mastery of mutually understood words.

**IN THE DAYS OF THE DINOSAURS**—Roy Chapman Andrews—*Random House*, 80 p., illus. by Jean Zallinger, \$1.95. Tells young readers many facts about the age of dinosaurs, including a hunt for fossils in the Gobi desert.

**INTERNATIONAL REVIEW OF CYTOLOGY, Vol. VIII**—G. H. Bourne and J. F. Danielli, Eds.—*Academic*, 541 p., illus., \$13. Contains papers on the structure of cytoplasm, on the cell surface of paramecium, the physiology of chromatophores and trace elements in cellular function.

**JETS AND ROCKETS AND HOW THEY WORK**—William P. Gottlieb, foreword by William J. O'Donnell—*Garden City Bks.*, 56 p., color photographs by author, \$2.95. Shows boys and girls step-by-step the basic elements of rocket propulsion.

**MASTER YOUR TENSIONS AND ENJOY LIVING AGAIN**—George Stevenson and Harry Milt—*Prentice Hall*, 241 p., \$4.95. Mental health advice for home and office.

**NIGHT-LIGHTING: A Technique for Capturing Birds and Mammals**—Ronald F. Labisky—*Ill. Natural Hist. Survey, Biol. Notes No. 40*, 11 p., illus., paper, free upon request direct to publisher, Urbana, Ill. Describes effective way of capturing wild animals for the purpose of marking them for ecological studies.

**THE ONE-PARENT FAMILY**—Anna W. M. Wolf and Lucille Stein—*Public Affairs Committee*, Pamphlet No. 287, 28 p., illus., paper, 25¢. A joint publication with the Child Study Association of America.

**REPORT OF THE FLUID FUEL REACTORS TASK FORCE** to the Division of Reactor Development, U.S. Atomic Energy Commission—*Off. of Tech. Serv.*, 188 p., paper, \$1.75. Critical evaluation of three fluid fuel reactor concepts under development by the AEC.

(Continued on page 222)

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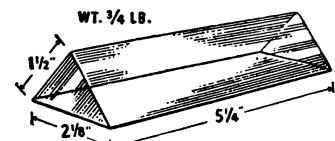
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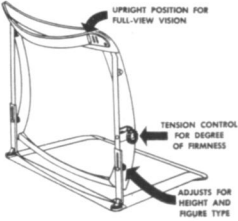
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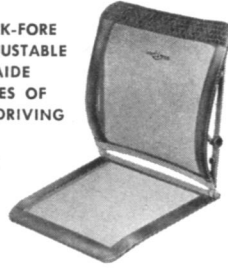
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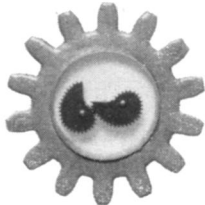
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(Continued from page 220)

REPORT OF THE NATIONAL CONFERENCE ON THE LEGAL ENVIRONMENT OF MEDICAL SCIENCE, May 27-28, 1959—National Soc. for Medical Research, 114 p., paper, \$2.50. Papers and committee reports on legal aspects of autopsies, transplantations and animal experimentation.

REPRODUCTION IN DOMESTIC ANIMALS, Vol. II—H. H. Cole and P. T. Cupps, Eds.—Academ c, 451 p., illus., \$13. Reference volume written by experts on the biochemistry of semen, techniques of semen collection and insemination, effects of nutrition and other environmental factors, and reproduction in domestic fowl.

ROCKETS AND EARTH SATELLITES—Patrick Moore—Muller (Sportsheft), 144 p., illus. by Patricia Cullen, \$3. British astronomer outlines for the general reader the development of rockets. Bibliography included.

ROCKETS INTO SPACE—Alexander L. Crosby and Nancy Larrick—Random House, 82 p., illus. by Denny McMains, \$1.95. Helps young readers discover how rockets work and what space travel means.

ROUND THE MOON—Jules Verne—Associated Booksellers, Fitzroy ed., 189 p., illus., \$3. Reprint of book with short appendix by I. O. Evans, commenting on the various chapters in the light of modern science.

STRATEGY IN THE MISSILE AGE—Bernard Brodie—Princeton Univ. Press., 423 p., \$6.50. A Rand Corporation project, reviewing the development of modern military strategy, considering such problems as civil defense, limited war, deterrence, missile bases and the use of nuclear weapons.

TEACHING WITH RADIOISOTOPES, Based on Materials Submitted by Teachers in Many Schools and Colleges—Harold A. Miner, Robert W. Shackleton and Fletcher G. Watson, Eds.—AEC (Govt. Print. Off.), 60 p., illus., paper, 40¢.

THE TWO CULTURES AND THE SCIENTIFIC REVOLUTION: The Rede Lecture 1959—C. P. Snow—Cambridge Univ. Press, 52 p., paper, 75¢. Novelist-scientist focuses on the gap between scientists and non-scientists.

YOUR SCIENCE FAIR (An Opportunity for Youth, A Guidebook to Successful Science Fairs)—Arden F. Welte, James Dimond and Alfred Friedl—Burgess, 103 p., illus., paper, \$2.75. Describes types and organizations of science fairs, how to get ready for them, and offers sampling of outstanding projects and exhibits in the past.

Science News Letter, October 3, 1959

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