

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.

THE AUDIO CYCLOPEDIA—Howard M. Tremaine—*Bobbs*, 1269 p., illus., \$19.95. Compendium of knowledge on all phases of audio, for sound engineers and technicians as well as for the amateur audiophile.

A BOOK TO BEGIN ON DINOSAURS—Eunice Holsaert—*Holt*, unpagged, illus. by Robert Gartland, \$2.50. For very young readers.

A BOOK TO BEGIN ON OUTER SPACE—Eunice Holsaert—*Holt*, unpagged, illus. by Ronni Solbert, \$2.50. Takes the 6-8-year-old on a trip through space.

A CALIFORNIA FLORA—Philip A. Munz and David D. Keck—*Univ. of Calif. Press*, 1681 p., illus., \$11.50. Comprehensive manual utilizes new system of grouping species according to their "plant communities"—Redwood Forest, Valley Grassland, and the like. Describes habitats, altitudinal and geographic distribution, flowering dates, and chromosome numbers where known.

CANCER IN FAMILIES: A Study of the Relatives of 200 Breast Cancer Proband—Douglas P. Murphy and Helen Abbey—*Harvard Univ. Press* for The Commonwealth Fund, 76 p., \$2.50. Analysis of information of a field investigation of about 6,000 relatives of breast cancer patients. Data reveal no evidence of unusual frequency of cancer among relatives.

CARCINOGENESIS BY ULTRAVIOLET LIGHT: An Essay in Quantitative Biology—Harold F. Blum—*Princeton Univ. Press*, 340 p., illus., \$6.50.

Explores the process by which ultraviolet light induces cancer.

COMPREHENSIVE ANALYTICAL CHEMISTRY, Vol. 1A: Classical Analysis—Cecil L. Wilson and David W. Wilson, Eds.—*Elsevier (Van Nostrand)*, 577 p., illus., \$5. Deals with introductory and general material of importance in any branch of analytical chemistry, with processes of such long standing that they are usually referred to as classical analysis.

CONQUERING YOUR ALLERGY—Boen Swinney—*Fleet*, 221 p., \$3.95. A specialist in allergy explains for the layman the nature of allergies, the allergen, the allergic person and susceptible areas, and what the allergist can do to help the patient.

EDUCATION FOR THE AGE OF SPACE—President's Science Advisory Committee—*The White House (Govt. Print. Off.)*, 37 p., paper, 20¢.

FREE—Arthur Liebers—*Production Co.*, 96 p., illus., paper, 50¢. Tells of how and where to get over 1,065 items, publications, pictures and gifts just for the asking.

FUNDAMENTAL ENGINEERING KINETICS—L. A. Padis and W. C. Lyford—*Va. Polytechnic Inst.*, 96 p., illus., paper, \$1.25. Topics covered are basic principles, location of instant centers, cubic angular velocity ratios and graphic determination of linear velocities.

THE GOOD YEAR—Era Zistel—*Crowell*, 199 p., photographs by author, \$3.95. Author tells of her life in a country cottage with 12 cats, eight chipmunks, five goats, two raccoons and a dog.

GUIDED MISSILE ENGINEERING—Allen E. Puckett and Simon Ramo, Eds.—*McGraw*, 497 p., illus., \$10. Eighteen missile engineering experts provide chapters on electronics, guidance theory, airframe performance, instrumental gyroscopy, radio and radar, computer systems and other subjects.

HETEROCYCLIC CHEMISTRY: An Introduction—Adrien Albert—*Essential Bks.*, 424 p., \$9. Reference work for students and research workers, dividing subject into hetero-paraffinic, hetero-ethylenic and hetero-aromatic chemistry.

HORMONAL CONTROL OF MAMMOGENESIS AND LACTOGENESIS IN THE C₃H/HE CRGL MOUSE—Satyabrata Nandi—*Univ. of Calif. Press*, 79 p., 23 plates, paper, \$2.50.

IF YOU'RE NOT GOING TO COLLEGE—Charles Spiegler and Martin Hamburger—*Science Res.*, 80 p., illus., paper, \$1.60. Advice for adolescents as to what careers are open to them without

college training, and what vocational training is needed to develop satisfying careers.

AN INTRODUCTION TO BACTERIAL PHYSIOLOGY—Evelyn L. Oginsky and Wayne W. Umbreit—*Freeman*, 2nd ed., 443 p., illus. by Evan L. Gillespie, \$7.50. Revised edition incorporates advances during the past five years.

AN INTRODUCTION TO THE KINETIC THEORY OF GASES—Sir James Jeans—*Cambridge Univ. Press*, 311 p., paper, \$2.95. Paper reprint of 1940 edition.

MAP OF THE MOON—Lick Observatory photograph—*General Electric Co., Missile & Space Vehicle Dept.*, paper, free upon request direct to publisher, Room 4C, 3108 Chestnut St., Philadelphia 4, Pa. Large folded map with charted geography of the visible side of the moon.

MATHEMATICS MADE EASY—Henry Thomas—*Garden City Bks.*, rev. ed., 348 p., \$2.95. Shows how to master mathematics without the help of a teacher, with emphasis on practical problems.

THE MOUTH: Its Clinical Appraisal—A. B. Riffle—*Lippincott*, 118 p., illus., \$3.50. Comprehensive description of the medical side of a thorough mouth examination.

MY BEST FRIENDS ARE APES—Heinrich Oberjohann, transl. from French by Monica Brooksbank—*Dutton*, 191 p., photographs, \$2.95. Account of the author's life with three chimpanzees, a story of the adaptation of wild creatures to human ways.

MY SIDE OF THE MOUNTAIN—Jean George—*Dutton*, 178 p., illus. by author, \$3. First-person account of a modern boy's adventurous experiment in complete self-sufficiency, observing the weather, plant and animal life during the changing seasons of a year spent "living off the land." For teenagers.

PHYSIOLOGY OF PREMATURITY—Jonathan T. Lanman, Ed.—*Macy*, 157 p., illus., \$3. Transactions of the third multidiscipline conference on physiology of prematurity, held in 1958.

PRINCIPLES OF GEOLOGY—James Gilluly, A. C. Waters and A. O. Woodford—*Freeman*, 2nd ed., 534 p., illus., \$7.50. Textbook emphasizing geologic processes instead of geologic terms, and giving students some background for evaluating the basis of geologic methods.

PROGRAMMING BUSINESS COMPUTERS—Daniel D. McCracken, Harold Weiss and Tsai-Hwa Lee—*Wiley*, 510 p., \$10.25. Directed to the reader who lacks extensive mathematical background but who is involved in day-to-day application of electronic computers to business data processing problems.

RECENT DEVELOPMENTS IN SCIENCE—James C. Silvan—*Am. Bk. Co.*, 8 p., paper, 36¢. Up-to-date science material for classroom use.

RESPIRATORY PHYSIOLOGY AND ITS CLINICAL APPLICATION—John H. Knowles—*Harvard Univ. Press*, 256 p., \$5.25. Interprets, in an applied and clinical frame of reference, pertinent material concerning respiratory physiology in normal and disease states.

A SHORT HISTORY OF SCIENCE: Origins and Results of the Scientific Revolution, A Symposium—Herbert Butterfield and others, introd. by Jean Lindsay—*Doubleday*, 138 p., illus., paper, 95¢. Series of broadcast talks delivered by British scholars on B.B.C. program.

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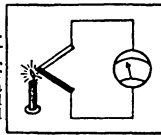
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SOVIET PHYSICS: Acoustics, Vol. 4, No. 4. A Translation of the Journal of Acoustics of the Academy of Sciences of the USSR (Russian Original Vol. 4, No. 4)—Robert T. Beyer, Ed.—*Am. Inst. of Physics*, 93 p., illus., paper, \$4, per year (4 issues): \$12.

SOVIET PHYSICS: Crystallography, Vol. 3, No. 1. A Translation of the Journal Crystallography of the Academy of Sciences of the USSR (Russian Original Vol. 3, No. 1)—David Harker, Ed.—*Am. Inst. of Physics*, 135 p., illus., paper, \$5, per year (6 issues): \$25, libraries of non-profit degree-granting institutions: \$10.

SOVIET PHYSICS: JETP, Vol. 35 (8), No. 6. A Translation of the Journal of Experimental and Theoretical Physics of the Academy of Sciences of the USSR, Vol. 35—J. George Adashko, Ed.—*Am. Inst. of Physics*, 213 p., illus., paper, \$8, per year (12 issues): \$75, libraries of non-profit degree-granting institutions: \$35.

SOVIET PHYSICS: Uspekhi, Vol. 1 (66), No. 1. A Translation of Advances in the Physical Sciences of the Academy of Sciences of the USSR, Vol. 66—J. George Adashko, Ed.—*Am. Inst. of Physics*, 178 p., illus., paper, per year (6 issues): \$45, libraries and non-profit degree-granting institutions: \$20.

SUBCELLULAR PARTICLES: Symposium—Teru Hayashi, Ed.—Ronald for *Am. Physiological Soc.*, 213 p., illus., \$6. Emphasis is on the structural aspects of subcellular particles as related to their function.

THAT THE PATIENT MAY KNOW: An Atlas for Use by the Physician in Explaining to the Patient—Harry F. Dowling and Tom Jones, asstd. by Virginia Samter—Saunders, 152 p., illus., \$7.50. Pen-and-ink drawings, labeled in lay language, explain workings of vital organs, the blood system, nervous and skeletal networks, the glands and other anatomical features.

TRANSLATORS AND TRANSLATIONS: Services and Sources—Frances E. Kaiser, Ed.—Special Libraries Assn., 60 p., paper, \$2.50. Directory of translators, lists languages, subjects, rates and addresses of 154 U.S. translators. Describes size, scope, languages and subject fields of 42 translation pools throughout the world, and cites bibliographies of translations.

YARDSTICKS FOR INDUSTRIAL RESEARCH: The Evaluation of Research and Development Output—James Brian Quinn—Ronald, 224 p., \$6.50. Surveys techniques for evaluating applied and fundamental research output for management purposes.

YOUR CHILD'S FRIENDS—Sidonie M. Gruenberg and Hilda Sidney Krech—Public Affairs Committee, Pamphlet No. 285, 28 p., illus., paper, 25¢. Helps parents realize that each friendship fulfills a need—at least for a time.

Science News Letter, July 25, 1959

Questions

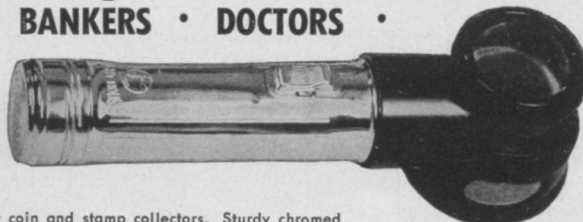
BACTERIOLOGY—How sensitive is the new method for detecting bacteria in drinking water said to be? p. 50.

CHEMISTRY—What are the six most abundant elements, according to a new table of the chemical elements? p. 57.

PHYSIOLOGY—In what countries has an oral contraceptive pill been tested? p. 54.

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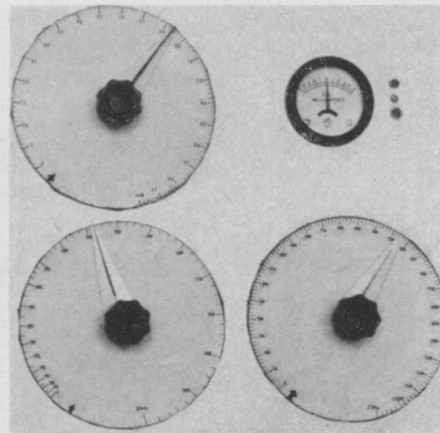
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