Books of the Week

For the editorial information of our readers, books received for review are listed. For eonvenient 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.

ADVANCES IN CLINICAL CHEMISTRY, Vol. 3—Harry Sobotka and C. P. Stewart, Eds.—Academic, 400 p., \$12. Contains chapters on estrogen, folic acid and vitamin B₁₂, also on technique of infrared spectrophotometry and on the chemical basis of Kernicterus.

Analogue and Digital Computers-M. G. Say, Ed.—Philosophical Lib., 308 p., illus., \$15. Presents basic material on the design and application of computing systems.

ANIMAL PHYSIOLOGY—Knut Schmidt-Nielsen —Prentice-Hall, 118 p., illus., paper, \$1.50. General physiological principles and how they apply to all animals.

ATLANTIC HURRICANES-Gordon E. Dunn and Banner I. Miller—La. State Univ. Press, 326 p., illus., \$10. Good reference work on hurricanes; covers formation, energetics, climatology, tracking and forecasting; contains charts, historical data and glossary.

CALCIFICATION IN BIOLOGICAL SYSTEMS -Reidar F. Sognnaes, Ed .- Am. Assn. for the Advancement of Science, 526 p., illus., \$9.75. Papers read at 1958 symposium organized by Sections of Dentistry, Medicine and Zoology.

COMMUNITY RESOURCES IN MENTAL HEALTH -Reginald Robinson, David F. DeMarche and

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Mildred K. Wagle—Basic Bks. 435 p., \$8.50. Nationwide statistical analysis of 3103 counties and intensive study of 15 representative American counties.

CONFERENCE ON EXPERIMENTAL CLINICAL CANCER CHEMOTHERAPY—B. H. Morrison III, Ed.—Nat. Cancer Inst. (GPO), 305 p., illus., paper, \$2. Papers and discussion at 1959

Congenital Heart Disease—Allan D. Bass and Gordon K. Moe, Eds.—Am. Assn. for the Advancement of Science, 364 p., illus., indexed, \$7.50. Papers presented at AAAS Symposium in December 1958.

THE DAWNING SPACE AGE-H. E. Mehrens-Civil Air Patrol, 219 p., illus., paper, \$2. Covers, at high school level, guided missiles, rocket propulsion, guidance systems and space flight.

ELECTRICITY: How it Works-Percy Dunsheath—Crowell, 248 p., illus. by J. Teppich, \$3.95. Simple explanation of electricity and magnetism with experiments. history of electricity and its uses. traces Also

ESSENTIALS OF EARTH HISTORY: An Introduction to Historical Geology—William Lee Stokes—Prentice-Hall, 502 p., illus., \$8.75. Intended mainly as a text for liberal arts and cultural courses.

EXPLAINING THE ATOM-Selig Hecht, rev. by Eugene Rabinowitch—Viking, 237 p., illus., paper, \$1.25. For the layman, book traces step by step the discoveries of the nature and structure of the atom.

THE FIRST BOOK OF GHANA—Norman M. Lobsenz—Watts, F., 61 p., photographs, \$1.95. Presents people and their daily lives in the Negro African colony which gained independence in 1957.

THE FIRST BOOK OF NEW WORLD EXPLORERS -Louise Dickinson Rich-Watts, F., 79 p., illus.

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by Cary, \$1.95. An account of their adventures. FLORA OF THE BRITISH ISLES, ILLUSTRATIONS, Part II: Rosaceae-Polemoniaceae-A. R. Clap-

T. G. Tutin and E. F. Warburgham, Cambridge Univ. Press, 119 p., drawings by Sybil J. Roles, \$5. Provides visual impression of habit and main features of the plants.

Foundations of Modern Analysis-J. Dieudonne-Academic, 361 p., \$8.50. Intended to train the graduate student in the use of the axiomatic method.

FROM CELL TO TEST TUBE: The Science of Biochemistry—Robert Warner Chambers and Alma Smith Payne—Scribner, 216 p., illus. by L. Mautner, \$3.50. Introduction to biochemistry for the layman.

GAS-COOLED REACTORS: Proceedings of Symposium, 1960—Francis L. Jackson, Chmn.— Journal of the Franklin Inst., 349 p., illus., paper, \$5. Discusses status of major programs, fuel elements, materials, components and loop studies.

GIFFORD PINCHOT: Forester, Politician-M. Nelson McGeary-Princeton Univ. Press, 481 p., \$8.50. Objective biography of the famed crusading conservationist, based on Pinchot correspondence, speeches and papers.

Instructions to Young Botanists-C. L. Duddington-Mus. Press (Sportshelf), 128 p., illus., \$3.75. Introduction to the natural history of plants, encouraging field study.

INTRODUCTION TO A SUBMOLECULAR BIOLOGY —Albert Szent-Gyorgyi—Academic, 135 p., \$5. General considerations of the energy cycle of life, units and measures, electronic mobility, problems and examples of charge transfer.

Introduction to Algebra for College STUDENTS—W. A. Rutledge and S. Green— Prentice-Hall, 276 p., illus., \$4.95. Emphasizes postulational approach and the importance of functions and graphs.

INTRODUCTION TO MECHANICS, MATTER AND WAVES-Uno Ingard and William L. Kraushaar —Addison-Wesley, 672 p., illus., \$9.75. Text stresses basic concepts of mass, momentum, energy, angular momentum and their conservation laws.

KNOWLEDGE, MORALITY AND DESTINY (New Bottles for New Wine)—Julian Huxley—New Am. Lib., 287 p., illus., paper, 50¢. Essays on man and modern science.

LABORATORY INSTRUMENTS: Their Design and Application—A. Elliott and J. Home Dickson— Chemical Pub. Co., 2nd rev. ed., 514 p., illus., \$12. Includes chapter on corrosion and new data on plastic materials.

A MANUAL FOR THE ORGANIC CHEMISTRY LABORATORY—Leigh C. Anderson and others— Wiley, 2nd ed., 186 p., illus., paper, \$3.90. Revision gives more attention to qualitative analysis and places discussion before experimental directions.

(Continued on p. 206)

BOOK OF 15 PARADOXES in Math and Logic

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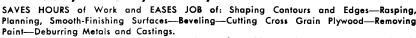


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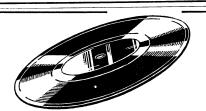
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Books of the Week

(Continued from p. 204)

THE NATURE OF HUMAN CONFLICTS, OR EMOTION, CONFLICT AND WILL-A. R. Luria. transl. from Russian and ed. by W. Horsley Gantt, foreword by A. Meyer—Grove, 431 p., illus., paper, \$2.45. Reprint of study by well-known Russian psychologist of "disorganization" and control of human behavior."

NEUTRON DETECTION-W. D. Allen-Philosophical Lib., 260 p., illus., \$10. Detailed account of main methods of neutron detection.

New Water for a Thirsty World-Michael H. Salzman, foreword by Aldous Huxley-Science Foundation Press, 210 p., \$5.95. Discusses urgent and universal problem of our time.

Noise Reduction-Leo L. Beranek, Ed.-McGraw, 752 p., illus., \$14.50. Text and reference book on the fundamentals of noise control, for engineers, non-specialists in acoustics.

Nonmilitary Defense: Chemical and Biological Defenses in Perspective-Conrad E. Ronneberg and others-Am. Chemical Soc., 100 p., paper, \$2. Symposium papers discussing threat to this nation from chemical and biological warfare agents.

A PICTORIAL GUIDE TO AMERICAN GARDENS -Louis H. Frohman and Jean Elliot-Crown, 368 p., 400 illus., \$5.95. Divided into ten regional sections, book's purpose is to direct the motoring garden-lover. Contains index of flowers, trees and shrubs.

THE PLASMA PROTEINS, Vol. 2: Biosynthesis, Metabolism, Alterations in Disease-Frank W. Putnam, Ed.—*Academic*, 518 p., illus., \$14.50. Emphasizes physiological role and metabolic interrelationships of the plasma proteins.

PRINCIPLES OF FEEDBACK CONTROL—Charles H. Wilts-Addison-Wesley, 271 p., \$8.75. Rigorous treatment of the analytical methods used in the design of feedback systems.

SAMUEL MORSE AND THE TELEGRAPH—Wilma Pitchford Hays-Watts, F., 66 p., illus. by R. Mayhew, \$1.95. Biography for boys and girls.

Shag—Robert M. McClung—Morrow, 96 p., illus. by L. Darling, \$2.95. Child's book about the life-cycle of the last of the plains buffalo.

SIR ISAAC NEWTON: Scientist-Mathematician-W. Robert Houston and M. Vere DeVault-Steck, 48 p., illus. by B. Cobb, \$1.75. Explains some of Newton's experiments and helps boys and girls understand their importance.

SOCIAL DRINKING: How to Enjoy Drinking Without Being Hurt by It-Giorgio Lolli-World Pub. Co., 317 p., \$4.50. A physician explains the effects of alcohol on the body and mind, and the difference between harmless and harmful drinking.

SPACE BIOLOGY: The Human Factors in Space Flight-James Stephen Hanrahan and David Bushnell-Basic Bks., 263 p., illus., \$6. Comprehensive survey of research findings as man explores the physical and psychological forces beyond the life-supporting atmosphere of his native planet.

SUPPLEMENTARY UNITS IN CONTEMPORARY Arithmetic and Elementary Algebra Edwin I. Stein-Van Nostrand, 75 p., paper, \$1. Junior high-school level.

WEATHER—A. O. Chesters—Educ. Supply Assn. (Taplinger), 3rd ed., 96 p., illus., \$2.50. Tells children about causes behind daily changes in weather.

THE WORLD OF PHYSICS: Readings in the Nature, History and Challenge of Physics—Arthur Beiser, Ed., foreword by Edward U. Condon—McGraw, 286 p., \$4.25. Group of readings on special topics, indicating the way in which ideas about them have grown and developed, communicating some feel for the personalities, thoughts and problems of noted physicists.

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