

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, 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.

DYEING OF CELLULOSIC FIBRES AND RELATED PROCESSES—S. R. Cockett and K. A. Hilton—*Academic Press*, 417 p., illus., \$12. Discusses preparation of fibers, colorants, preparation and application of colorants, dyeing machines and finishing processes.

ELECTRICAL CONTRACTING—Ray Ashley—*McGraw*, 284 p., illus., \$10. Comprehensive manual dealing with practical methods for profitable contracting.

THE FARMER'S DILEMMA—Stanley Andrews, foreword by Norris E. Dodd—*Public Affairs Press*, 184 p., \$4.50. An assessment of U.S. agriculture in this century, urging a policy of wiser land use.

FEARON'S INTRODUCTION TO BIOCHEMISTRY—William John Edward Jessop—*Academic Press*, 4th ed., 473 p., \$8. Fully revised treatment of constitutive and dynamic biochemistry.

FILTRATION—George D. Dickey—*Reinhold*, 353 p., illus., \$12. A modern account of solid-liquid separation in the wet processes: water, industrial products and wastes.

FUNCTIONS OF THE BLOOD—R. G. Macfarlane and A. H. T. Robb-Smith, Eds.—*Academic Press*, 635 p., illus., \$16.50. Presents the biology of the blood and its cellular and noncellular components from the functional point of view in the broadest sense.

GAS CHROMATOGRAPHY ABSTRACTS, 1960—C. E. H. Knapman, Ed. with C. G. Scott—

Butterworths, 200 p., \$8.50. Contains 875 abstracts from the recent world literature on gas chromatography, with subject and author index.

GRAPHIC CHARTS HANDBOOK—Anna C. Rogers—*Public Affairs Press*, 189 p., illus., \$6. Emphasis is on graphic charts and methods with wide applications in the visual presentation of statistical and other research data.

A GUIDE TO THE SELECTION, COMBINATION AND COOKING OF FOODS, Vol. 1: Selection and Combination of Foods—Carl A. Rietz—*Avi Pub. Co.*, 395 p., illus., folding charts, \$15. Attempts detailed classification of foods according to their taste appeal.

INTERFACIAL PHENOMENA—J. T. Davies and E. K. Rideal—*Academic Press*, 474 p., illus., \$14. On the physics of surfaces, electrostatic phenomena, adsorption at liquid interfaces, monolayers, diffusion, and disperse systems and adhesion.

JOHN AND WILLIAM BARTRAM'S AMERICA—Helen Gere Cruickshank, Ed.—*Doubleday*, 379 p., illus., paper \$1.45. Selections from the writings of the early American naturalists.

LIBRARY JOURNAL'S RECOMMENDED CHILDREN'S BOOKS OF 1960-61—E. Louise Davis, Ed.—*Bowker*, 174 p., illus., paper, \$3. Librarians' evaluation of 1,000 of the best juveniles, arranged by grade and subject with author-title index.

LINEAR ALGEBRA AND GROUP THEORY—V. I. Smirnov, rev. by Richard A. Silverman, Ed.—*McGraw*, 464 p., \$12.50. Selection of material from the Soviet Academician's encyclopedic six-volume "Course of Higher Mathematics," emphasizing topics of greatest importance in applied mathematics and theoretical physics.

MECHANISMS IN RADIOBIOLOGY, Vol. I: General

Principles—Maurice Errera and Arne Forssberg—*Academic Press*, 534 p., illus., \$16. Deals with the physical and chemical aspects of radiation effects, cytological effects, radiation genetics and mutations.

MECHANISMS OF ANTIBODY FORMATION: Proceedings of a Symposium held in Prague, May 27-31, 1959—M. Holub and J. Jarosova, Eds.—*Academic Press*, 385 p., illus., \$10. General survey of the present state of immunology and the different conceptual approaches to the question of the mechanisms of antibody formation in different laboratories of the world.

MINIATURIZATION—Horace D. Gilbert, Ed.—*Reinhold*, 306 p., illus., \$10. Experts cover miniaturization in missiles, satellites, medicine, computers, aircraft electronics equipment, communications, military and consumer products.

A MULTITUDE OF LIVING THINGS—Lorus J. Milne and Margery J. Milne—*Dodd*, 278 p., paper, \$1.95. Reprints of biologists' well-written nature observations.

THE PACIFIC ISLANDS—Douglas L. Oliver—*Doubleday*, rev. ed., 456 p., illus. by Sheila Mitchell Oliver, paper, \$1.45. Anthropologist's accounts of native cultures and of how the people of the area have been affected by the impact of modern civilization.

PHOTOCHEMISTRY OF AIR POLLUTION—Philip A. Leighton—*Academic Press*, 300 p., \$11. Background to the study of photochemical processes that may convert relatively innocuous pollutants into substances hazardous to man.

PHYSICAL GEOLOGY: Manual of Laboratory Exercises—Forbes Robertson—*Burgess*, 151 p., illus., maps, paper, \$4.25. Exercises dealing with common minerals and rocks, and exercises using some 72 topographic maps to illustrate the effects of geologic agents on land formations.

PHYSICIST AND CHRISTIAN: A Dialogue Between the Communities—William G. Pollard—*Seabury Press*, 178 p., diagrams, \$4.25. Discourses on the reality of physics and of Christianity by the clergyman-scientist who is Executive Director of the Oak Ridge Institute of Nuclear Studies.

PRE-TRIG: An Easy Introduction to Trigonometry—Rudolph M. McShane—*Astro-Computing Bks*, 63 p., illus., paper, 50¢. To help students gain step by step understanding of the basic ideas of trigonometry.

RADICAL POLYMERIZATION—J. C. Bevington—*Academic Press*, 188 p., \$6. Up-to-date treatment of the reactions of free radicals with emphasis on the relationships between the detailed mechanisms of polymerization and the structure of the resulting macromolecules.

RECREATIONAL MATHEMATICS MAGAZINE, Vol. I, No. 4—Joseph S. Madachy, Ed.—*Recreational Mathematics*, 64 p., illus. paper, 65¢; bimonthly, \$3.50 per year, \$3 for teachers, students, libraries. Articles on electronics abstractions calendars, hexahedra; puzzles, readers' research department, perfect numbers and book reviews.

ROCKETS—S. E. Ellacott—*Criterion Bks*, 160 p., illus. by author, photographs, \$3.50. Compact history of rocketry for young people.

THE SUN: Our Nearest Star—Franklyn M. Branley—*Crowell*, unpagged, illus. by Helen Borten, \$2.50. Picture book giving the youngest readers simple facts about the sun.

THE TEACHING OF ARITHMETIC—F. F. Potter—*Philosophical Lib.*, 462 p., \$4.75. British step by step suggestions for the teaching of elementary arithmetic.

TOWARD THE CONQUEST OF CANCER—O. A. Battista—*Chilton Co.*, 137 p., \$3.95. Chemist summarizes for the layman some known facts about the chemistry of cancer cells, cancer drugs and chemotherapy.

• Science News Letter, 80:228 September 30, 1961

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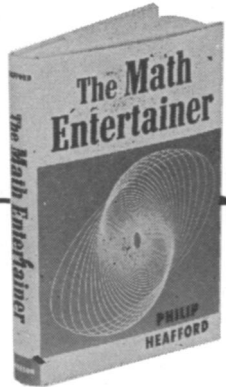
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