

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.

ADVANCED CALCULUS: An Introduction to Analysis—Watson Fulks—*Wiley*, 521 p., \$11.25. Text is divided into three main sections: calculus of one variable, vector calculus and theory of convergence.

AMERICAN BUILDING ART: The Twentieth Century—C. W. Condit—*Oxford*, 427 p., illus., \$15.00. Continues author's earlier volume on American building techniques and structural forms, discussing steel truss, suspension and concrete bridges, concrete dams and the metropolitan parkway.

CAREERS IN MATHEMATICS—George A. W. Boehm, Ed., foreword by J. Barkley Rosser and

Phillip S. Jones—*Nat. Council of Teachers of Mathematics*, 28 p., illus., paper, 25¢. Short biographies of eight young mathematicians and general description of careers in mathematics.

CITIZENS BAND RADIO—Allan Lytel—*Rider*, J. F., 152 p., illus., paper, \$3.90. Written for the user and the technician who repairs CB equipment.

CONFERENCE ON PHYSIOLOGICAL ASPECTS OF WATER QUALITY, 1960: Proceedings—Harry A. Faber and Lena J. Bryson, Eds.—*PHS*, 244 p., illus., paper, free upon request direct to Research & Training Grants Branch, Div. of Water Supply and Pollution Control, Public Health Service, Washington 25, D. C.

DECADE OF EXPERIMENT: The Fund for the Advancement of Education, 1951-61—*Fund for the Advancement of Education*, 110 p., illus., paper, free upon request direct to publisher, 477 Madison Ave., New York 22, N. Y. A review of the projects in education supported by the Fund.

THE DESIGN OF SMALL DIRECT-CURRENT MOTORS—A. F. PUCHSTEIN—*Wiley*, 407 p., \$12. Compendium of methods for solving the problems involved in the calculation and design of direct-current machines.

DYNAMICS OF EVEN-AGED FOREST STANDS—M. S. Czarnowski—*La. State Univ. Press*, 132 p., \$5. Explains in a comprehensive way the theory and practice of this branch of forest ecology.

ELEMENTARY HUMAN PHYSIOLOGY: A Text For Undergraduates—Terence A. Rogers—*Wiley*, 417 p., illus., \$6.50. Course also suitable for students not majoring in medical science.

ELEMENTS OF MATHEMATICAL STATISTICS—Howard W. Alexander—*Wiley*, 367 p., \$7.95. Intended as an introduction to probability and mathematical statistics for students who completed a year of calculus.

EVALUATION IN MATHEMATICS: Twenty-Six Yearbook—Miriam Goldman, Ed., introd. by Donovan A. Johnson—*Nat. Council of Teachers of Mathematics*, 215 p., \$3. Written to help teachers of mathematics—elementary, secondary and junior college—to improve their techniques of evaluating achievement.

FUNCTIONAL ANATOMY: Mammalian and Comparative—W. James Leach—*McGraw*, 3rd ed., 338 p., illus., \$6.50. This revised and enlarged edition of the author's *Functional Anatomy of the Mammal* contains considerable amount of comparative material concerning the lower vertebrate forms.

FUNDAMENTALS OF MODERN PHYSICS—Robert Martin Eisberg—*Wiley*, 729 p., illus., \$10.50. Advanced undergraduate course in physics introducing student to quantum mechanics, presupposing training in elementary physics and in mathematics through intermediate calculus.

THE FUTURE OF MANKIND—Karl Jaspers, transl. from German by E. B. Ashton—*Univ. of Chicago Press*, 342 p., \$5.95. Psychiatrist-philosopher, German Peace Prize winner in 1958, examines the present world situation as faced by contemporary thinking man.

A GUIDE TO EARTH HISTORY (Original Title: The Story of Our Earth)—Richard Carrington—*New Am. Lib.*, 284 p., illus. by Maurice Wilson, paper, 75¢. History of the planet, evolution of life on earth and early man.

HISTORY OF THE EARTH: An Introduction to Historical Geology—Bernhard Kummel—*Freeman*, 610 p., illus., \$8.75. Introductory textbook designed to give student background for nearly any course of lectures in historical geology.

HOW TO KNOW THE AMERICAN MARINE SHELLS—R. Tucker Abbott—*New Am. Lib.*, 222 p., illus., 12 p., color photographs, paper 75¢. An authoritative guide to shells of the Atlantic and Pacific coasts.

HOW TO LOCATE AND ELIMINATE RADIO AND TV INTERFERENCE—Fred D. Rowe—*Rider*, J. F., 2nd rev. ed., 160 p., illus., paper, \$2.90. Includes discussion of the latest FCC rules and regulations.

INDIA—Walter A. Fairervis, Jr.—*World Pub.*, 127 p., illus. by Richard M. Powers, \$3.50. Anthropologist's introduction to India, for young people.

INFRARED ABSORPTION IN INORGANIC SUBSTANCES—Katheryn E. Lawson—*Reinhold*, 200 p., \$6.75. Sourcebook of currently available information on this new and increasingly important phase of spectroscopy.

• Science News Letter 79:332 May 27, 1961

There's Adventure in
Astronautics

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By JULIAN MAY

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