• 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.

ADAPTATION—Bruce Wallace and Adrian M. Srb—*Prentice-Hall*, 113 p., illus., $2.95; paper, $1.50. Foundations of Modern Biology series.

THE ADOLESCENT SOCIETY: The Social Life of the Teenager and Its Impact on Education—James S. Coleman with John W. C. Johnstone and Kurt Jonassohn—*Free Press*, 368 p., diagrams, $6.95. Author analyzes the social systems of ten high schools of widely varied communities.

ANIMAL DIVERSITY—Earl D. Hanson—*Prentice-Hall*, 116 p., illus., $2.95; paper, $1.50. Strives to give student and general reader a broad perspective of our present knowledge.

ANIMAL DUNKIRK: The Story of Lake Kariba and "Operation Noah," the Greatest Animal Rescue Since the Ark—Eric Robins and Ronald Legge—*Taplinger*, 188 p., photographs. $4.50. Tells of the courageous game rangers who rescued animals from the rising waters behind the Kariba dam in Rhodesia.

ATLAS OF THE UNIVERSE—Br. Ernst and Tj. E. De Vries, transl. from Dutch by D. R. Welsh; H. E. Butler, Ed.; preface by H. A. Bruck—*Nelson*, 227 p., illus., $9.95. Written by non-specialists for non-specialists, edited by astronomer, offers concise encyclopedia with many photographs and diagrams.

BASIC CONCEPTS OF PHYSICS—Chalmers W. Sherwin—*Holt*, 410 p., diagrams, $6.50. Unified treatment of the five basic theories of physics at undergraduate level, only prerequisite is introductory calculus.

BRAZIL: The Infinite Country—William Lyttle Schurz—*Dutton*, 346 p., maps, $6. Up-to-date survey of the largest country in the Western Hemisphere, its people and development, viewed by a historian.

CAMPANULAS AND BELLFLOWERS IN CULTIVA-

TION—H. Clifford Crook—*Blandford (St. Martins)*, 90 p., photographs, $2.50. Introduces the general gardener to species most suitable for cultivation in borders, on rocks, under cover and in the wild garden.

THE CHALLENGE OF THE SPACESHIP—Arthur C. Clarke—*Ballantine Bks*, 189 p., paper, 50¢. Speculates on some of the technical developments we might expect in the age of manned space flight.

CIVIL AIR REGULATIONS AND FLIGHT STANDARDS FOR PILOTS—Aeronautical Staff—*Aero Pubs.*, 23rd ed., illus., $4.50; paper, $3.00. Up-to-date manual for pilots.

COFFEE: Botany, Cultivation and Utilization—Frederick L. Wellman—*Interscience*, 488 p., illus., $13. Monograph covering all aspects of coffee, from early history, soils, climates, genetics, plantation planning, cultivation, to diseases, harvesting, processing and quality testing.

COMBUSTION, FLAMES AND EXPLOSIONS OF GASES—Bernard Lewis and Guenther von Elbe—*Academic Press*, 2nd ed.. 731 p., illus., $22. Presents advances in combustion research with major revisions in the subjects of combustion waves and of detonation processes.

THE EFFECTIVENESS OF FILMED SCIENCE COURSES IN PUBLIC SECONDARY SCHOOLS—W. James Popham and Joseph M. Sadnavitch—*Dept. of Educ. & Psychology, Kansas State College of Pittsburgh*, 66 p., tables, single copies free upon request direct to publisher, Pittsburgh, Kans. Describes experiment designed to evaluate the filmed physics and chemistry courses introduced in southeast Kansas schools.

THE EVOLUTION OF MAN: A Brief Introduction to Physical Anthropology—Gabriel Ward Lasker—*Holt*, 239 p., illus., $3.50. Presents in outline physical anthropology as an integrated field for the study of primates, fossil man, human genetics, blood groups and growth patterns.

EXPERIMENTAL CHEMISTRY—Michell J. Sienko and Robert A. Plane—*McGraw*, 2nd ed., 271 p., illus., paper, $3.50. Laboratory manual emphasizing the distinction between observation and interpretation of facts observed.

FREUD AND PSYCHOANALYSIS—C. G. Jung, transl. by R. F. C. Hull—*Pantheon Bks*, 376 p., $5. Gives the substance of Jung's published writings on Freud and psychoanalysis between 1906 and 1916, with two later papers.

THE FUTURE OF OUR CITIES—Robert A. Futterman—*Doubleday*, 360 p.. maps, $4.95. Analyzes the elements that affect changes in urban

patterns and discusses the prospects of 17 individual metropolitan areas.

GAMES OF STRATEGY: Theory and Application—Melvin Dresher—*Prentice-Hall*, 184 p., $9. Develops fully the mathematical theory of games of strategy and explores their application to a variety of decision problems.

GEOMETRIC INEQUALITIES—Nicholas D. Kazarinoff—*Random House*, 132 p., illus., paper, $1.95. Simply stated geometric problems about maximum and minimum lengths and areas, book grew out of informal evening seminar for high school students.

HEREDITY: An Introduction to Genetics—A. M. Winchester—*Barnes & Noble*, 269 p., illus., paper, $1.75. Outline of fundamental principles, for student and general reader.

A HISTORY OF MEDICINE, Vol. II: Early Greek, Hindu and Persian Medicines—Henry E. Sigerist—*Oxford Univ. Press*, 353 p., illus.. $11. Second, and last, volume of the late author's proposed eight-volume history of world medicine.

HORSES: The Story of the Horse Family in the Modern World and Through Sixty Million Years of History—George Gaylord Simpson—*Doubleday*, 323 p., illus., paper, $1.45. Reprint with new preface by author.

THE IMAGE OF LOVE: Modern Trends in Psychiatric Thinking—Clemens E. Benda—*Free Press*, 206 p., $5. Focus is on the ways in which love reveals man's nature, study is based on long experience with psychiatric counseling.

IMPROVING MATHEMATICS PROGRAMS: Trends and Issues in the Elementary School—M. Vere DeVault, Ed.—*Merrill*, 552 p., $7.95. Collection of readings related to the strengthening of mathematics education during the early years.

INTRODUCTION TO CHEMICAL ENGINEERING—L. Bryce Andersen and Leonard A. Wenzel—*McGraw*, 364 p.. illus., $9.50. Surveys the profession of chemical engineering and the processes of the chemical industry.

AN INTRODUCTION TO INEQUALITIES—Edwin Beckenbach and Richard Bellman—*Random House*, 133 p., paper, $1.95. Written by professional mathematicians to make theory of inequalities interesting and understandable to high school students and laymen.

AN INTRODUCTION TO INFORMATION THEORY—Fazlollah M. Reza—*McGraw*, 496 p., $13.50. Develops probability, information and coding theories primarily for those interested in communication sciences.

JOHN BURROUGHS' AMERICA: Selections from the Writings of the Hudson River Naturalist—Farida A. Wiley, Ed.—*Doubleday*, 293 p., illus. by Francis Lee Jaques, paper, $1.45. Reprint.

THE MOUNTAINS OF CALIFORNIA—John Muir—*Doubleday*. 300 p., illus., paper, $1.25. Published originally in 1894, book tells about Muir's fight for land and forest conservation.

VARIEGATED FOLIAGE PLANTS—Paul Fischer, transl. from German by Corry Van Alphen—*Blandford (St. Martins)*, 136 p., 96 photographs, $3.50. Covers all better-known foliage plants of interest to the indoor gardener.

WHAT IS CALCULUS ABOUT?—W. W. Sawyer—*Random House*, 118 p., illus., paper, $1.95. Mathematician explains calculus with a minimum of technical terms, understandable to high school students and laymen.

THE WONDERFUL WORLD OF PREHISTORIC ANIMALS—William Elgin Swinton—*Garden City Bks*, 93 p., illus. by Maurice Wilson and others, $2.95. Colorful story book of paleontology.

ZOO-MAN TALES—T. H. Gillespie—*Taplinger*, 121 p., illus. by Len Fullerton, $2. True stories about animals.

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