

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.

AGRICULTURE AND ECOLOGY IN AFRICA: A Study of Actual and Potential Development South of the Sahara—John Phillips—*Praeger*, 424 p., map, \$13.50. Technical survey of the different bioclimatic regions, discussed in terms of climate, soils, vegetation, animals, and the problems of human health and economic development.

THE ANATOMY OF PLANTS—P. Font Quer, transl. from Spanish by D. H. R. Newton—*Harper*, 128 p., illus., \$2.25. Describes for the layman the characteristic structural features of plants.

CACTI—E. Shurly—*Abelard-Schuman*, 160 p., 15 full-color plates, \$4.50. Practical guide to the cultivation of cactus plants.

THE CARBOHYDRATES—S. F. Dyke—*Interscience*, 232 p., illus., \$4.75. Selected material covering structure, reactions and derivatives of monosaccharides, the oligosaccharides, and carbohydrate metabolism.

CONSERVATION DIRECTORY 1960—*National Wildlife Federation*, 121 p., paper, 50¢. List of organizations and officials concerned with natural resources in the U. S., Canada and Latin America.

CONTEMPORARY PERENNIALS—Roderick W. Cumming and Robert E. Lee—*Macmillan*, 363 p., illus. by A. Rosse, \$6.95. About planning, planting and care of perennials, description of 560 species and check list of outstanding species.

THE DELAYED EFFECTS OF WHOLE-BODY RADIATIONS: A Symposium—Bernard B. Watson, Ed.—*Johns Hopkins Press*, 80 p., illus., \$4.50. Papers discuss nuclear radiation effects on life shortening, leukemia, cataracts, and genetic alterations.

THE DESERT YEAR—Joseph Wood Krutch—*Viking*, 270 p., illus. by R. Freund, paper, \$1.35. Reprint of naturalist's account of the desert world of the American Southwest.



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EFFECTS OF DISSEMINATION OF RADIOACTIVE MATERIALS ON WATER RESOURCE CONSERVATION WITH SPECIAL REFERENCE TO MICHIGAN—Morris Deutsch—*Mich. State Agricultural Experiment Station*, 35 p., paper, single copies free upon request direct to publisher, Dept. of Resource Development, East Lansing, Mich.

EXPERIMENTAL PSYCHOLOGY—Burton G. Andreas—*Wiley*, 595 p., \$6.95. Presents general principles, methods and techniques, and shows how specific techniques have been applied to major problem areas in behavioral research.

FACES LOOKING UP—Mina Lewiton—*Harper*, 153 p., illus. by H. Simon, \$2.95. A book for children about school children in 12 different countries.

FOUR WAYS OF BEING HUMAN: An Introduction to Anthropology—Gene Lisitzky—*Viking*, 303 p., illus. by C. B. Falls, paper, \$1.45. Account of the cultural patterns of four primitive societies: Semang, Eskimos, Maoris, and Hopis.

GOD SPEED THE PLOW: The Coming of Steam Cultivation to Great Britain—Clark C. Spence—*Univ. of Ill. Press*, 183 p., illus., \$4.75. Fully annotated, this book is the 1959 winner of the *Agricultural Historical Society Award*.

GOLDFISH VARIETIES AND WATER GARDENS—William T. Innes—*Innes Pub. Co.*, 3rd ed., 385 p., illus., \$6.95. Beautifully illustrated handbook on goldfish and aquatic plants.

GRASSES—Irmengarde Eberle—Walck, H. Z., 56 p., illus. by E. J. Keats, \$2.75. Shows young children the importance of grasses in different parts of the world.

HOW TO CAPTURE ACTION IN PHOTOGRAPHY—Dan Daniels—*Verlan Bks.*, 128 p., illus., paper, \$1.95. Manual on the techniques of shooting photographs conveying action, mood and impact.

ICHNEUMON-FLIES OF AMERICA NORTH OF MEXICO: 2. SUBFAMILIES EPHIALTINAE XORIDINAE, ACAENITINAE—Henry and Marjorie Townes and others—*Smithsonian Inst.*, 676 p., illus., paper, \$2.50.

INSTALLING HI-FI SYSTEMS—Jeff Markell and Jay Stanton—*Gernsback*, 224 p., illus., \$5; paper, \$3.20. Gives the layman technical as well as legal and structural information.

INTELLIGENCE: Its Evolution and Forms—Gaston Viaud, transl. from French by A. J. Pomerans—*Harper*, 127 p., illus., \$2.25. About the variations in intelligent behavior in certain animal species, primitive peoples, and civilized man.

INTRODUCTION TO QUANTUM MECHANICS—Robert H. Dicke and James P. Wittke—*Addison-Wesley*, 369 p., \$8.75. Textbook for graduate students or advanced undergraduates, introduces physical concepts and mathematical formulations of nonrelativistic theory.

IRIS FOR EVERY GARDEN—Sydney B. Mitchell—*Barrows*, rev. ed., 216 p., illus., \$4.95. Prac-

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tical guide for the amateur as well as the specialist.

LIFE: Its Dimensions and Its Bounds—Robert M. MacIver—*Harper*, 144 p., \$3. In dialogue form author lets scientists explore the questions raised by new discoveries in the region separating live and lifeless matter.

MATHEMATICAL SNAPSHOTS—H. Steinhaus—*Oxford Univ. Press*, rev. ed., 328 p., 366 illus., \$6.75. Makes mathematical phenomena visual through photographs and diagrams, from simple tricks to advanced problems.

MATTER AND ANTIMATTER—Maurice Duquesne, transl. from French by A. J. Pomerans—*Harper*, 127 p., illus., \$2.25. Account of the discovery of antimatter with a discussion of its implications and possibilities.

METHODS IN GEOCHEMISTRY—A. A. Smales and L. R. Wager, Eds.—*Interscience*, 464 p., illus., \$13.50. For the advanced student and the research worker, book presents problems dealing with the analytical determination of the elements of the Periodic Table.

THE NEXT FIFTY YEARS OF FLIGHT—As visualized by Bernt Balchen, told to Erik Bergaust, foreword by Lt. Gen. James H. Doolittle—*Viking*, 214 p., illus., paper, \$1.25. Reprint of 1954 edition.

ON THE VARIOUS FORCES OF NATURE AND THEIR RELATION TO EACH OTHER—Michael Faraday; William Crookes, Ed., introd. by Keith Gordon Irwin—*Viking*, 106 p., illus., 95¢. Christmas Lecture delivered before a juvenile audience at the Royal Institution in 1859.

THE STORY OF ATOMIC THEORY AND ATOMIC ENERGY (Formerly Titled: *The Atom Story*)—J. G. Feinberg, foreword by Frederick Soddy—*Dover*, 264 p., illus. by Lewis, paper, \$1.45. Brought up to date, with new Postscript and Prospect by author.

THE STORY OF YOUR BLOOD—Edith Lucie Weart—*Coward-McCann*, 64 p., illus. by Z. Onyshekewych, \$3. Tells young readers about the vital role blood plays in our bodies.

TACTICS OF SCIENTIFIC RESEARCH: Evaluating Experimental Data in Psychology—Murray Sidman—*Basic Bks.*, 528 p., \$7.50. For the student of scientific methodology as well as the experimental psychologist.

TEA—Trevor Jones—*Educ. Supply Assn. (Taplinger)*, 90 p., illus., \$2.50. Simple account of the history and processing of tea.

THERMOELECTRICITY—Paul H. Egli, Ed.—*Wiley*, 407 p., illus., \$10. Fundamental concepts in thermoelectricity, physics of properties determining thermoelectric performance, high temperature problems and methods of measuring thermal conductivity.

WALT DISNEY'S THE ODYSSEY OF AN OTTER: A Fact-Fiction Nature Story—Rutherford Montgomery—*Golden Press*, 124 p., illus. by H. Greene, \$2.50. For young readers.

WOOL—P. A. Wells—*Educ. Supply Assn. (Taplinger)*, 5th ed., 122 p., illus., \$2.50. Describes for young readers production and fabrication of wool.

THE WORLD OF NIGHT—Lorus J. and Margery J. Milne—*Viking*, 248 p., illus. by T. M. Shortt, paper, \$1.35. Tells about the night behavior of insects, fishes, reptiles and mammals in their native habitats.

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