

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.

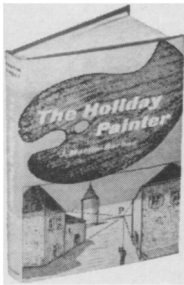
ADVANCES IN AGRONOMY, Vol. 14—A. G. Norman, Ed.—*Academic Press*, 432 p., illus., \$13. On laterite, rice culture, rainfall erosion, soybean genetics, fertilizers, and isotopes methods and uses in soil physics research.

ADVANCES IN CATALYSIS AND RELATED SUBJECTS, Vol. 13—D. D. Eley, P. W. Selwood and Paul B. Weisz, Eds.—*Academic Press*, 458 p., illus., \$15. Covers, among other subjects, radiation catalysis and analysis of complex reaction systems.

ADVENTURES WITH A TEXAS NATURALIST—Roy Bedichek—*Doubleday*, 330 p., map, paper, \$1.45. Reprint (1947).

ANIMAL PARASITES: Their Biology and Life Cycles—O. Wilford Olsen—*Burgess*, 346 p., illus., by author, \$6.95. Introduces the principles of parasitism in a readily understandable manner.

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ARCHEOLOGICAL STUDIES AT TONTO NATIONAL MONUMENT, ARIZONA—Charlie R. Steen and others, Louis R. Caywood, Ed.—*Southwestern Monuments Assn.*, 176 p., illus., paper, \$4.50. Papers on excavations at the upper and lower ruin, ethnobotanical materials and analysis of cotton textiles.

THE ATOM—Sir George Thomson—*Oxford Univ. Press*, 6th ed., 228 p., diagrams, \$1.70. Updated edition, includes some of the results of the second Geneva Conference.

THE BEHAVIORAL BASIS OF PERCEPTION—James G. Taylor—*Yale Univ. Press*, 379 p., \$8.50. Starting out with the thesis that all conscious experience is a function of learned behavior, the author presents tests of his theory by means of notation derived from set theory.

CHEMICAL SPECTROSCOPY—R. E. Dodd—*Elsevier Pub. Co.*, 340 p., illus., \$8.75. Book treats experimental methods of spectroscopy, characterization of electronic states and of nuclear motion, interactions and empirical correlations, and intensity.

A DECADE OF PROGRESS: For the National Institute of Neurological Diseases and Blindness—Richard L. Masland, Dir.—*NINDB*, 42 p., illus., paper, single copies free upon request direct to publisher, Bethesda, Md. Reports on research and training in the fields of neurology, vision, speech and hearing.

THE DEER FAMILY—George F. Mason—*Morrow*, 96 p., illus., by author, \$2.75. Nature study for young readers.

DESIGN AND FUNCTION AT THE THRESHOLD OF LIFE: The Viruses—Heinz Fraenkel-Conrat—*Academic Press*, 139 p., illus., paper, \$1.95. Written by scientist for the educated layman, stresses the purposes and processes of fundamental research in the rapidly expanding field of virology.

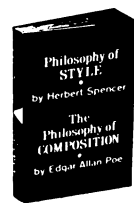
THE DISCOVERY OF ANAESTHESIA—L. J. Ludovici—*Crowell*, 230 p., \$5. Documented story of the controversy about the Boston doctor who pioneered in the use of ether as an anaesthetic.

ECONOMICS OF HIGHER EDUCATION—Selma J. Mushkin, Ed.—*HEW (GPO)*, 406 p., paper, \$1.50. On recent research and its implications for higher education, indicating areas in which additional research is needed.

ELECTRON MICROGRAPHS IN THE TEACHING OF BIOLOGY—Dorothy Gelber Feldman—*Teachers College*, 39 p., illus., paper, \$1.25. Monograph prepared to aid teacher and students in working with the electron microscope and in interpreting the micrographs.

EMPLOYMENT IN PROFESSIONAL MATHEMATICAL WORK IN INDUSTRY AND GOVERNMENT: Report on a 1960 Survey—Bureau of Labor Statistics—*NSF (GPO)*, 82 p., paper, 55¢. Prepared in cooperation with the Mathematical Assn. of America, report shows characteristics of personnel in mathematical employment, characteristics of mathematical positions and income data.

THE FOREST PEOPLE—Colin M. Turnbull—



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Doubleday, 305 p., photographs, maps, paper, \$1.25. A study of the Pygmies of the Congo.

FRONTIERS OF MODERN BIOLOGY: Twenty Lectures Originally Broadcast over the Voice of America—Gairdner B. Moment, Ed.—*Houghton*, 192 p., paper, \$1.95. Twenty eminent biologists survey developments in plant photoperiods, taxonomy, tissue transplantation, cell division, photosynthesis, and other fields of biological research.

THE GREAT WHITE MANTLE: The story of the Ice Ages and the Coming of Man—David O. Woodbury—*Viking*, 214 p., illus., \$4.95. Very readable account of the evidence we have pieced together about the glacial period and man's emergence against the background of ice.

ICARUS: International Journal of the Solar System, Vol. I, No. 1—Zdenek Kopal and A. G. Wilson, Eds.—*Academic Press*, 93 p., paper, bi-monthly, annual subscription \$18. Offers forum for results of original research in the new interdisciplinary sciences of the solar system, including physics of interplanetary fields and particles, meteorology, cosmochemistry of all planetary bodies, of comets and interplanetary dust, cosmogony and exobiology.

INTELLIGENT MACHINES: An introduction to Cybernetics—D. A. Bell—*Blaisdell Pub. Co. (Random House)*, 100 p., diagrams, \$2.95; paper, \$1.45. Explains cybernetics for the non-specialist.

INTRODUCTION TO MAMMALOLOGY—E. Lendell Cockrum—*Ronald*, 455 p., illus., \$9. College level course in mammalogy and wildlife management.

THE MAGIC OF NUMBERS—Robert Tocquet, transl. from French by Denis Weaver—*Fawcett*, 159 p., paper, 50¢. About the feats of lightning calculators, simulated mental calculation and explanations of how animals do it.

MAN AND THE SPACE FRONTIER—G. Harry Stine—*Knopf*, 153 p., illus., by Lewis Zacks, \$3.50. Physicist analyzes for young people man's primary needs for existence and describes how the conditions that supply them are being incorporated into the space program.

MATHEMATICS IN CHEMISTRY—A. B. Garrett and Arthur Kiefer—*Ginn*, 52 p., paper, \$1. Describes the main types of mathematical operations used in a first course in chemistry.

MISSILE AND SPACE PROJECTS GUIDE, 1962—Horace Jacobs and Eunice Engelke Whitney—*Plenum Press*, 235 p., \$9.50. Basic information on existing missile and space projects.

THE NAVAHO—Clyde Kluckhohn and Dorothea Leighton, rev. by Lucy H. Wales and Richard Kluckhohn—*Doubleday*, 355 p., illus., paper, \$1.45. Analysis of Navaho culture and of the reasons why the Indian Service program failed to live up to expectations.

NERVOUSNESS, INDIGESTION AND PAIN—Walter C. Alvarez—*Collier Bks*, 287 p., paper, 95¢. Popular edition of book first published in 1943.

OF TIME, WORK AND LEISURE—Sebastian de Grazia—*Twentieth Century Fund*, 559 p., \$6. Result of three-year study of leisure and analysis of statistics on the amount of free time now available to the average American, contrasting modern pursuit of recreation with classical ideal of leisure as an opportunity for development.

PSYCHOANALYSIS AND SOCIAL SCIENCE—Hendrik M. Ruitenbeek, Ed.—*Dutton*, 226 p., paper, \$1.65. Selected essays, exploring the effect of psychoanalytic thought on the social sciences.

SAHARA STORY—Edward Ward—*Norton*, 192 p., photographs, map, \$4.50. Journalist's account of the history of the region, from pre-historic times to the present.

SCIENCE, PROPHECY AND PREDICTION—Richard Lewinsohn, transl. from German by Arnold J. Pomerans; foreword by Ashley Montagu—*Fawcett*, 304 p., illus., paper, 75¢. An exploration of man's effort to foretell the future.

• Science News Letter, 82:213 September 29, 1962