

# Books of the Week

For the editorial information of our readers, books received for review since last week's issue 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. Request free publications direct from publisher, not from Science Service.

**ALBERT SCHWEITZER: The Story of His Life**—Jean Pierhal—*Philosophical Library*, 160 p., illus., \$3.00. An authorized biography of this 1953 Nobelist in Peace, and builder of a famous jungle hospital in Africa.

**AMERICAN INSTITUTE OF PHYSICS HANDBOOK**—Dwight E. Gray, Coordinating Editor—*McGraw-Hill*, 1,524 p., illus., \$15.00. Over 100 areas of physics are covered in this reference work of essential data.

**ASPECTS OF RIVER POLLUTION**—Louis Klein with chapters by J. R. Erichsen Jones and H. A. Hawkes—*Academic*, 621 p., illus., \$14.50. Although written primarily from the standpoint of British practice, much of the subject matter has application to conditions in other countries.

**CENOZOIC FORAMINIFERA OF MICRONESIA**—Shoshiro Hanzawa—Geological Society of America, Memoir 66, 163 p., illus., \$4.50. Reporting on collections from about 600 localities in Micronesia by six scientists.

**COMBUSTION AND FLAME: Quarterly Journal of the Combustion Institute**, Volume 1, No. 1, March, 1957—Sir Alfred Egerton, Ed. in Chief—*Butterworths (Interscience)*, 128 p., illus., paper, \$16.00 per year. To publish papers on the scientific principles of combustion whether in relation to aircraft, boilers, furnaces or other burners.

**A CONFERENCE ON RADIOACTIVE ISOTOPES IN AGRICULTURE**—W. F. Libby and others—*Govt. Printing Office*, United States Atomic Energy Commission, 416 p., illus., paper, \$3.00. A collection of 48 invited papers presented on January 12-14, 1956, which provide a useful reference source.

**FLORA OF PERU**—J. Francis Macbride—*Field Museum of Natural History*, Botanical Series, Volume XIII, Part IIIA, Number 2, 456 p., paper, \$5.50.

**A GLOSSARY OF MYCOLOGY**—Walter H. Snell and Esther A. Dick—*Harvard University Press*, 171 p., illus. by Henry A. C. Jackson, \$5.00. A dictionary of nearly 7,000 terms useful to students of mycology, from abaxial to zymogenous. Includes terms used in the field of medi-

cal mycology or antibiotics.

**THE GROWTH OF LEAVES: Proceedings of the Third Easter School in Agricultural Science**, University of Nottingham, 1956—F. L. Milthorpe, Ed.—*Butterworths (Academic)*, 223 p., illus., \$6.80. All crops depend upon the efficiency of the photosynthetic process and on the extent of the photosynthetic surface.

**HANDBOOK ON AERIAL APPLICATION IN AGRICULTURE: A Compilation of Information Emanating from Research and Conferences Conducted by the Texas Engineering Experiment Station, the Texas Agricultural Experiment Station and the Texas Agricultural Extension Service of the Texas A. & M. College System**—Fred E. Weick and others—*Texas A. & M. College*, 146 p., illus., paper, \$2.50.

**HOW TO DRIVE—American Automobile Association**, 122 p., illus., paper, \$1.00. Much more than a driver's manual, this little book is full of information about the workings of your car and proper handling of it under various conditions. Experienced drivers as well as new drivers will find much of interest.

**THE INDIANS KNEW**—Tillie S. Pine—*Whittlesey House*, 32 p., illus. by drawings by Ezra Jack Keats, \$2.00. Telling some of the scientific facts known to American Indians and describing experiments children can perform to find out about the same facts.

**LABORATORY MANUAL OF MICROBIOLOGY**—H. Magdalene Steward—*Mosby*, 2d ed., 103 p., paper, \$2.25. This new edition is prepared to bring the book into step with recent developments in the field. Some of the newer means of destroying and inhibiting organisms are included.

**THE NEUROHYPOPHYSIS: Proceedings of the Eighth Symposium of the Colston Research Society Held in the University of Bristol, April 9th-April 12th, 1956**—H. Heller, Ed.—*Academic*, 275 p., illus., \$9.50. Several of the papers read concerned the finding that the neurohypophyseal hormones are elaborated not in the posterior pituitary but in the hypothalamus.

**NUCLEAR REACTOR PHYSICS**—Raymond L. Murray—*Prentice-Hall*, 317 p., illus., \$10.00. A text for use by the first-year graduate student and the design engineer in the nuclear energy field.

**OPERATION DEEPFREEZE**—Rear Admiral George J. Dufek—*Harcourt, Brace*, 243 p., illus., \$5.00. The author was commander of the polar expedition reported here and was the first human being to reach the South Pole by air.

**PHYSICS: A Modern Approach**—L. Paul Elliott and William F. Wilcox—*Macmillan*, 658 p., illus., \$5.12. Scientific principles presented in a way intended to help you understand why things happen as they do. Red is used to give emphasis to important laws and formulas, and to indicate motion in the diagrams.

**THE PRESENTATION OF TECHNICAL INFORMATION**—Reginald O. Kapp—*Macmillan*, 147 p., \$1.95. Based on four lectures intended to aid the scientist and engineer in presenting technical information.

**QUEST FOR A CONTINENT**—Walter Sullivan—*McGraw-Hill*, 373 p., illus., \$5.50. A correspondent for the New York Times presents a picture of the earth's seventh continent, Ant-

arctica, written from personal observation on three expeditions.

**THE REEFS OF TAPROBANE: Underwater Adventures Around Ceylon**—Arthur C. Clarke—*Harper*, 205 p., illus. with color and black-and-white photographs by Mike Wilson, \$5.00. A report of adventures beneath the sea.

**THE SOCIAL WASPS OF CALIFORNIA (VESPINAE, POLISTINAE, POLYBIINAE)**—R. M. Bohart and R. C. Bechtel—*University of California Press*, Bulletin of the California Insect Survey, Volume 4, No. 3, 29 p., illus., paper, 75 cents. These wasps are troublesome because of their stinging ability, but are also beneficial through their habit of feeding their young with caterpillars.

**SPACE, TIME AND CREATION: Philosophical Aspects of Scientific Cosmology**—Milton K. Munitz—*Free Press*, 182 p., \$3.75. The author for several years has taught a course at New York University on "Theories of the Universe."

**THE STORY OF OUR TIME: Encyclopedia Year Book 1957**—Marian Lockwood, Editor in Chief—*Grolier Society*, 432 p., illus., \$7.50. One hundred authorities report the outstanding developments of 1956 for this Year Book. Science Service contributed the section on Science Highlights.

**THEORIES OF THE UNIVERSE: From Babylonian Myth to Modern Science**—Milton K. Munitz, Ed.—*Free Press*, 437 p., illus., \$6.50. Selections of writings from Plato and Ptolemy to Einstein and Eddington.

**U. S. AVIATION TODAY 1957**—*National Aviation Education Council*, 94 p., illus., paper, 35 cents. Describing and picturing planes in production and giving other facts of the aviation industry.

**VAPOUR PHASE CHROMATOGRAPHY: Proceedings of the Symposium Sponsored by the Hydrocarbon Research Group of the Institute of Petroleum Held at the Institution of Electrical Engineers, London, on 30th May-1st June, 1956**—D. H. Desty, Ed., assisted by C. L. A. Harbourn—*Academic*, 436 p., illus., \$12.00. In addition to papers presented at this symposium, the volume contains recommendations on nomenclature.

**WEATHER: Air Masses, Clouds, Rainfall, Storms, Weather Maps, Climate**—Paul E. Lehr, R. Will Burnett and Herbert S. Zim—*Simon & Schuster*, Golden Nature Guide, 160 p., illus. by Harry McNaught, paper \$1.00, cloth \$1.95. Telling what makes the weather and how it is studied and forecast.

**WHAT COULD YOU SEE? Adventures in Looking**—Jeanne Bendick—*Whittlesey House*, 32 p., illus. with drawings by the author, \$2.00. Describing for children what you could see if you were on a desert island or a pilot in space or in other unusual situations, and how you can see many of the same things closer to home.

**WIND AND SOLAR ENERGY: Proceedings of the New Delhi Symposium**—D. Dresden and others—*UNESCO, Columbia University Press*, Arid Zone Research VII, 238 p., illus., paper \$7.00, cloth \$8.00. Putting the sun and the wind to work in the service of man is especially important in arid and semi-arid regions. Text is in English, French and Spanish.

**WOMANPOWER: A Statement by the National Manpower Council With Chapters by the Council Staff**—Erwin D. Canham, Chairman—*Columbia University Press*, National Manpower Council, 371 p., illus., \$5.00. One-third of all the women in the United States aged 14 and more are in the labor force in any given month, and three out of every ten married women are now working.

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