

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.

THE AEROPLANE DIRECTORY OF BRITISH AVIATION: Incorporating Who's Who in British Aviation—Staff of Aeroplane—*Temple Press*, 434 p., illus., Approx. \$2.11. A handy reference book for those who need to look up facts on British aviation.

AMERICAN TREES: A Book of Discovery—Rutherford Platt—*Dodd, Mead*, 256 p., illus., \$3.50. Presenting trees as individual personalities and telling you where and at what time of year to look for special, rare beauty. Many drawings and photographs, some in color, aid identification.

ARTIFICIAL INSEMINATION IN LIVESTOCK BREEDING—A. H. Frank—*Govt. Printing Office*, U.S.D.A. Circular No. 567, 71 p., illus., paper, 25 cents. A practical handbook for the cattle breeder.

CARNEGIE COAL RESEARCH LABORATORY—*Carnegie Institute of Technology*, 32 p., illus., free upon request to publisher, 4910 Forbes Street, Pittsburgh 13, Pa. Describing the activities of a laboratory founded to do fundamental research in coal and derived products and to train students in coal technology.

COMBATTING PREJUDICE THROUGH SCIENCE TEACHING—R. Will Burnett—*National Science Teachers Association*, 31 p., paper, \$1.00. Providing facts the teacher needs to combat baseless prejudices among her students.

COSMOLOGY—H. Bondi—*Cambridge University Press*, 179 p., \$4.50. The author does not regard cosmology as a minor branch of general relativity or as a branch of philosophy and logic, but as a branch of physics in its own right.

THE FIGHT AGAINST TUBERCULOSIS: An Autobiography—Francis Marion Pottenger—*Schuman*, 276 p., illus., \$4.00. Dr. Pottenger lived to see the death rate from tuberculosis reduced from 200 per 100,000 the year he started practice to 22.2 per 100,000 in 1950. He was among the first specialists in tuberculosis. But his autobiography not only pictures medical advances; it gives the reader an interesting glimpse of the rapidly changing world of this century.

THE FOOD OF ALBACORE (GERMO ALALUNGA) OFF CALIFORNIA AND BAJA CALIFORNIA—J. L. McHugh—*University of California Press*, 11 p., paper, 25 cents. Fishes, and especially sauries, are most important in the diet of these tuna.

ISOTOPES: A Five-Year Summary of Distribution With Bibliography—Atomic Energy Commission—*Govt. Printing Office*, 451 p., paper, \$1.00. More than 18,900 shipments of radioactive isotopes and 1,500 stable isotopes have gone to users in the U. S. and 1,000 shipments of radioactive isotopes have gone abroad.

MANPOWER PLANS AND THE HANDICAPPED: Summary of the Report of the Task Force on the Handicapped—*Office of Defense Mobilization*, 18 p., paper, free upon request to the Office of Vocational Rehabilitation, Washing-

ton 25, D. C. Recommends measures for restoring two million handicapped men and women to gainful jobs.

MENTAL DISORDERS DIAGNOSTIC AND STATISTICAL MANUAL—Committee on Nomenclature and Statistics—*American Psychiatric Association*, 130 p., paper, \$1.50. A new and authoritative system for recording diagnoses together with recommendations for keeping statistical records and making reports.

METABOLISM AND FUNCTION IN NERVOUS TISSUE—R. T. Williams, Ed.—*Cambridge University Press*, 102 p., paper, \$2.75. Papers presented at a symposium held at London School of Hygiene and Tropical Medicine devoted to biochemistry of the brain and nervous system.

METHOD TO CLEAN PRECISION OPTICS—*Edmund Scientific Corp.*, 6 p., illus., paper, 25 cents. A step-by-step description of a method of cleaning useful to those using precision optical instruments and to the owner of cameras, binoculars, and so on.

METHODS OF EXTRACTING VOLATILE OILS FROM PLANT MATERIAL AND THE PRODUCTION OF SUCH OILS IN THE UNITED STATES—A. F. Sievers—*Govt. Printing Office*, USDA Technical Bull. #16, Rev. ed., 28 p., illus., paper, 10 cents. Describing methods for extracting orange and lemon oil with sponges and the perfume from flowers with cold solid fats as well as more recently developed methods.

NAVAHO VETERANS: A Study of Changing Values—Evon Z. Vogt—*Peabody Museum*, 223 p., paper, \$3.00. A study of what happened when 3,600 Navahos entered the armed forces and were transported to all parts of the world, later returning to bring new ideas and sets of values to their homes and people.

THE OILMEN: A Photographic Story—Thomas Hollyman—*Rinehart*, 174 pictures, \$1.50. Dramatic photographs illustrate the story of oil from the study of million-year-old fossils to the filling of the tank in your car.

THE ORIGINS AND HISTORY OF RELIGIONS—John Murphy—*Philosophical Library*, 454 p., \$6.00. Comparing modern religions and tracing their beginnings back to early forms of man.

PLANNING AND DEVELOPING THE COMPANY ORGANIZATION STRUCTURE—Ernest Dale—*American Management Association*, 232 p., \$4.50. Results of a study of forty top companies believed to have harmonious organizations.

REPTILES—E. Laurence Palmer—*New York State College of Agriculture*, Cornell Rural School Leaflet, 31 p., illus., paper, 10 cents. Just what boys and other nature lovers would like to know about common snakes, turtles and other reptiles.

SOUND: An Experiment Book—Marian E. Baer—*Holiday House*, 127 p., illus., \$2.50. A series of simple experiments that can teach children a great deal about sound and provide them with lots of fun.

THREE NAVAHO HOUSEHOLDS: A Comparative Study in Small Group Culture—John M. Roberts—*Peabody Museum*, 87 p., illus., paper, \$3.00. Anthropologists have devoted a good deal of study to individuals and to large social groups, but here is a study of the small group, viewed as a discrete entity.

THE TREATMENT OF ACUTE DEHYDRATION IN INFANTS—A Working Team appointed and advised by the Committee on Acute Infections in Infancy—*Her Majesty's Stationery Office*, Medical Research Council Memorandum No. 26, 48 p., illus., paper, Approx. 44 cents. Babies become dehydrated more quickly than adults and so dehydration may cause many infant deaths unless treated as an emergency.

WORKING PROGRAMS IN MENTAL HOSPITALS—Daniel Blain, Ed.—*American Psychiatric Association*, 202 p., paper, \$2.50. Proceedings of the Third Mental Hospital Institute at which over 200 people exchanged ideas informally on how to better the treatment of mental patients.

YOUR NEIGHBOR'S HEALTH IS YOUR BUSINESS—Albert Q. Maisel—*Public Affairs Committee*, 32 p., illus., paper, 25 cents. Telling you what you can do toward insuring that your community has adequate public health services.

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TECHNOLOGY

Tongue "Tastes" Saltiness Of Foods Electrically

► AN ELECTRIC tongue has been invented that will "taste" the saltiness of foods and indicate the precise degree of that seasoning.

Known as Saltex the instrument has the sensitivity of its human counterpart. Its taste buds are a series of electrodes which are inserted into either solid or liquid foods to any desired depth. An indicator shows how salty the food specimen is.

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