

Books of the Week

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ANTIBIOTICS AND VITAMIN B₁₂ IN LIVESTOCK FEEDING—G. Bohstedt—*University of Wisconsin Agricultural Extension Service*, 6 p., paper, 10 cents. Answers many of the questions which are being raised about APF, the "animal protein factor."

BLOOD—YOUR GIFT OF LIFE—Alton L. Blakeslee—*Public Affairs Committee*, Revised ed., 32 p., illus., paper, 20 cents. This pamphlet No. 145 of the Public Affairs Series is a simple, direct description of the background, present setup and needs of the American Red Cross National Blood Program.

COOKING FOR CROWDS—Stella T. Patton and Gladys S. Stillman—*University of Wisconsin Agricultural Extension Service*, 24 p., illus., paper, 10 cents. Useful menus and hints for planning, preparing, and serving large groups of people.

THE ELK OF NORTH AMERICA—Olaus J. Murie—*Stackpole & Wildlife Management Institute*, illus., \$6.50. Bringing together facts about elk with suggestions for future management of this now scarce animal.

EVALUATING SCHOOL LUNCHES AND NUTRITIONAL STATUS OF CHILDREN—Clarence Velat & Olaf Mickelsen—*Govt. Printing Office*, Dept. of Agriculture Circular No. 859, 85 p., illus., paper, 25 cents. Reports a study made of the nutritional status and diet of children with and without a school lunch.

FARM CROPS: JUDGING, IDENTIFICATION AND GRADING—Hi W. Staten & Melvin D. Jones—*Blakiston*, 251 p., illus., \$4.50. A high-school and college text of special interest to teachers of agriculture, county agents, 4-H clubs, and farmers.

THE FIRST BOOK OF TREES—M. B. Cormack—*Watts, F.*, 93 p., illus., \$1.75. The how's, what's and why's of trees' bark, buds, leaves, flowers, seeds and roots, explained for children. The book is filled with attractive drawings.

A FIRST ELECTRICAL BOOK FOR BOYS—Alfred Morgan—*Scribner's*, rev. ed., 263 p., illus., \$3.00. Simple and accurate explanations of electricity, how batteries work, how the telephone, telegraph, radar, television, etc., work.

HANDBOOK OF NUTRITION: A SYMPOSIUM—Council on Foods and Nutrition, A.M.A.—*Blakiston*, 2d. ed., 717 p., illus., \$4.50. Thirty-three leaders in the field of nutrition have contributed articles on individual nutrients, nutritional needs, deficiencies, and qualities.

HOW TO PAINT WITH BRUSH AND SPRAY—Sam Brown, Ed.—*Popular Mechanics*, 160 p., illus., \$2.50. The latest in the Popular Mechanics Craftsman's Library Series, this is intended to help you with home jobs of finishing and painting.

AN INVESTIGATION OF THE APPLICATIONS OF STATISTICAL QUALITY CONTROL TO DAIRY MANUFACTURING—A. V. Moore & J. P. CoVan—*Texas Engineering Experiment Station*, Research Report No. 23, 17 p., illus., paper,

free upon request to publisher, College Station, Texas. An opportunity for dairy manufacturers to learn how statistical quality control might apply to them.

THE KANSAS ROCK COLUMN—Raymond C. Moore and others—*Univ. of Kansas*, Bulletin 89, 132 p., illus., paper, 25 cents. Describes the sequence of rock strata in Kansas with the classification and nomenclature used by the Kansas Geological Survey.

MODERN MEDICINE ANNUAL 1951—*Modern Medicine*, 1125 p., illus., \$5.00. This volume contains the articles that appeared in the 24 issues of *Modern Medicine* during 1950. A comprehensive index is included.

A PSYCHOSOMATIC APPROACH TO SURGERY—Bernard J. Ficarra—*Froben*, 120 p., \$4.00. The basis for this book is a series of lectures given by the author on the general topic of "Psychology and Sanity."

PUBLIC HEALTH LAWS OF THE CITY OF PITTSBURGH—James C. Kuhn, Jr. & David Stahl, Eds.—*School of Law, University of Pittsburgh*, 1038 p., paper, \$5.00. An annotated compilation of the laws, regulations and ordinances of the State of Pennsylvania and the city of Pittsburgh governing the administration of public health in Pittsburgh.

RAPID SAMPLE PREPARATION METHOD FOR SOIL SELECTION IN EARTHWORK CONSTRUCTION—Bob M. Gallaway—*Texas Engineering Experiment Station*, Research Report No. 20, 11 p., paper, free upon request to publisher, College Station, Texas. Describes a new soil selection method using methyl alcohol.

RATES OF RETURN, CLASS I LINE-HAUL RAILWAYS OF THE UNITED STATES, 1921-1948—Sidney L. Miller, Virgil D. Cover & others—*University of Pittsburgh Press*, 211 p., illus., free upon request to publisher for those seriously interested. An analysis and an appraisal embodying a comparison with other industries, regulated and unregulated.

A ROTARY THERMAL RECTIFYING COLUMN—Edgar S. Byron, John R. Bowman & James Coull—*Mellon Institute*, Reprint, 10 p., illus., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Reprinted from *Industrial and Engineering Chemistry*.

SOME PROPERTIES OF HIGH-PURITY SINTERED WROUGHT MOLYBDENUM METAL AT TEMPERATURES UP TO 2400° F—R. A. Long, K. C. Dike & H. R. Bear—*National Advisory Committee For Aeronautics*, Technical Note 2319, 75 p., illus., paper, a limited number are available free from NACA. Experimental results showing the superior qualities of molybdenum.

SPACE—TIME—MATTER—Hermann Weyl—*Dover*, 330 p., \$3.95. This translation by Henry L. Brose from the German *Raum Zeit Materie* deals with the space-time aspect of classical physics.

STANFORD RESEARCH INSTITUTE ANNUAL REPORT 1950—*Stanford Research Institute*, 32 p.,

illus., paper, free upon request to publisher, Stanford, Calif. A survey of the Stanford research activities in the fields of defense research, industry, nutrition, electrical engineering, international research, etc.

TAKING CARE OF DIABETES (Kit of Materials)—Federal Security Agency—*Health Publications Institute*, 55 items, \$49.80. A complete kit of audio-visual aids including charts, filmstrips and accompanying records and carrying case, specially designed for teaching groups in clinics. There are booklets for patients to take home and aids in meal planning.

TECHNION YEARBOOK, 1950 Mid-Century Edition—Judah Wattenberg, Ed.—*American Technion Society*, 352 p., illus., paper, \$3.00. Current trends in science and technology described in articles aimed at promoting an exchange of ideas between America and Israel.

VISUAL EDUCATION FOR THE DENTURE PATIENT—George Henry Burtenshaw—*Dental Patient—Education Film Co.*, 32 p., illus., paper, 50 cents. Numerous illustrations to aid in instructing patients in the use and care of their artificial dentures.

YANKEE VIKING—Livingston Hartley—*Exposition Press*, 155 p., \$3.00. Fiction. Not science, of course, unless we call history and political science a science. The psychiatry is incidental and no one recalls dreams just in this way. The fact that the hero has to figure out the answer himself is sound psychiatry.

Science News Letter, June 2, 1951

OCEANOGRAPHY

Plumb Sea Water Depths Twice Those Reached Before

► SEA WATER samples from depths nearly twice those ever reached before by man will be brought to the surface for the first time this fall, the University of California's Scripps Institution of Oceanography, La Jolla, Calif., foresees.

Exactly what sort of life forms will be found at these tremendously deep ocean places, more than six miles below the surface, is not known. Pressure that far down is well over a thousand times that on the earth's surface. Scientists expect that they will find microorganisms of a special kind, known as barophilic, or pressure-loving.

After being dredged up from the ocean's depths, the microorganisms will be kept in refrigerated pressure bombs that reproduce their normal temperatures and pressures.

How they react when temperatures and pressures are changed can then be studied under controlled conditions.

Dr. Claude E. ZoBell, professor of marine microbiology at Scripps Institution, will head the round-the-world collecting expedition. Dr. ZoBell hopes to learn more about life processes in general, and, in particular, to investigate one kind of bacteria that seems to be able to grow continuously with little or no splitting up to form new cells.

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Distemper is one of the most common diseases among dogs.