

# New Books . . .

## Beitrage aus der Agrikulturchemie zu Problemen der Forschung und Praxis

R. SCHIEMANN. Akademie-Verlag, Berlin, 1958. 303 pages. Illustrated. Paperbound. Price: DM 38.- Reviewed by RUDOLPH SEIDEN, Kansas City, Mo.

ON occasion of Professor Kurt Nehring's 60th birthday, his collaborators at the Osker-Keller Institut für Tierernährung, the Institut für Landwirtschaftliches Versuchs- und Untersuchungswesen, the Institut für Agrikulturchemie und Bodenkunde der Universität, all of Rostock, and at the Deutsche Akademie der Landwirtschaftswissenschaften in Berlin, dedicated issue No. 37 of the report series "Wissenschaftliche Abhandlungen" to him, probably one of the last scientists who masters the whole field of agriculture: animal nutrition, plant nutrition, soil science, agricultural experimentation, and research. In addition to a biographical sketch and a listing of Nehring's scientific publications and lectures (10 pages), the issue contains articles dealing with a great variety of subjects close to Nehring's wide field of interest: respiratory installations; respiratory and intermediary metabolism; environmental temperature influences; digestibility; utilization of grain rations; nutrient losses due to ensiling; isolation of protein fractions from plant material; microbiological determination of amino acids; rumen microbiology; influence of water availability on the mineral content of maize; sulfur in different soils; extraction of humic substances from soils; mechanical soil analysis; nomenclature of soil horizons; and experiments with winter catch crops.

## Food Additive Safety

The Association of Food and Drug Officials of the United States has published a book, "Appraisal of the Safety of Chemicals in Foods, Drugs, and Cosmetics." It was written by Arnold J. Lehman, Food and Drug Administration, and others. Copies cost \$2.00, and may be obtained from J. F. Lakey, secretary-treasurer of the association, whose address is: The Texas Department of Health, Austin, Tex.

## 1958 Fungicide Tests

The American Phytopathological Society has published the "Results of 1958 Fungicide Tests." Copies may be obtained from A. B. Groves, De-

partment of Plant Pathology and Physiology, Winchester Fruit Research Laboratory, R. F. D. 3, Winchester, Va., for \$1.00. There will be an added charge for postage and handling when orders must be billed.

## Digest of Research on Ruminant Nutrition

A digest of research on "Urea and Ruminant Nutrition" has been published by Du Pont. Containing 80 pages and many illustrations between hard covers, it gives recent data on ruminant nutrition, stressing the "efficient and practical application of urea in ruminant feeding." Also included are data on natural sources of urea as well as synthetic urea as a source of protein. There is, in addition, information on carbohydrates, trace minerals, proteins, and the role of fatty acids.

Copies may be obtained from W. F. Morris, Polychemicals Department, Du Pont Co., Fairfax, Wilmington 3, Del.

## LITERATURE AVAILABLE

**Automatic Bio-analyzer.** Brochure gives details on system for continuous automatic chemical analysis. Whether working with biological materials, organic compounds, or inorganic compounds, instrument permits a wide range of applications because of flexibility of its component elements. Arrangement and operating conditions can be changed easily so that flow time, quantity and concentration of reagents, sensitivity of detection, and sequence of analytical procedures may be adjusted. Dept. A&F, RESEARCH SPECIALTIES CO., 200 S. Garrard Blvd., Richmond, Calif.

**Biochemicals for Research.** Reference guide and price list for over 3000 biochemicals needed in bacteriological, nutritional, biological, and microbiological research. Ask for reference guide and price list No. 124, Dept. A&F, MANN RESEARCH LABORATORIES, 136 Liberty St., New York 6, N. Y.

**De-Sludger.** Continuous centrifuge removes sludge and purifies food and food by-products, chemicals, pharmaceuticals, and other products. Eight-page bulletin describes type of equipment and gives cross sections showing details of the flow of feed, sludge, and purified streams. Copy of Bull. No. 2177 available from Dept. A&F,

CENTRICO, INC., 75 W. Forest Ave., Englewood, N. J.

**Emulsifiers.** Bulletin describes agricultural emulsifiers H-710, H-712, and H-714 for 2,4-D and 2,4,5-T ester concentrates, along with listing of weed killer formulations. Request Bull. No. 55, Dept. A&F, WITCO CHEMICAL CO., INC., 122 E. 42nd St., New York 17, N. Y.

**Fly Control.** Booklet entitled "Drosophila Fly Control" has been prepared for the food processing industry to be used as guide for more effective control of Drosophila fly. The insecticide described can be fogged on fruit, remains odorless and tasteless, and has the approval of FDA. Write to Dept. A&F, CHEMICAL INSECTICIDE CORP., 30 Whitman Ave., Metuchen, N. J.

**Herbicide.** A 14-page technical discussion and six-ounce development quantities of cacodylic acid (dimethylarsinic acid) available. Product has killing power with no apparent residual effect, and is relatively nontoxic to mammals. Can be used to renovate pasture and sod, as cotton and soybean defoliant, for post-emergence weed control, and as an algacide, bactericide, and fungicide. For further information, write to Dept. A&F, M. L. Neuville, Manager, Market Research, ANSUL CHEMICAL CO., Marinette, Wis.

**Nozzle.** Nylon nozzle withstands corrosive effects of agricultural chemicals, especially liquid fertilizer solutions. Complete details may be obtained by writing for booklet A-100, Dept. A&F, DELAVAN MFG. CO., West Des Moines, Iowa.

**Plant Analysis.** Bulletin tells how to use plant analysis to determine fertilization needs of sugar beets under commercial field conditions. Also included are analytical methods of plant analysis for many crops as used in University of California laboratories. U.C. Bull. 766, Agricultural Publications, Dept. A&F UNIVERSITY OF CALIFORNIA, 22 Giannini Hall, Berkeley 4, Calif.

**Resistant-Insect Insecticide Formulations.** Formulations aimed at increasing effectiveness offered in folder "House & Garden Sprays & Dusts." Especially designed for formulator and packager, it lists formulations for dual purpose home and garden sprays, horticultural sprays, fungicide additives, emulsifiable garden sprays and concentrates, and garden and truck crop dusts. Write Dept. A&F, FAIRFIELD CHEMICALS, FOOD MACHINERY AND CHEMICAL CORP., 441 Lexington Ave., New York 17, N. Y.