

New Books . . .

Methods of Biochemical Analysis, Vol. 3

Edited by DAVID GLICK, Interscience Publishers, New York-London. 1956. $x + 437$ pages. \$9.50. Reviewed by F. A. GUNTHER, University of California Citrus Experiment Station, Riverside.

LIKE ITS PREDECESSORS, Volume 3 of this annual series will be a useful addition to the library shelves of any chemist interested in methods, procedures, and techniques for the direct determination or other assay of biologically important substances and systems. As with Volumes 1 and 2, each chapter of the present volume has been prepared by an authority intimately and critically familiar with the chapter content; this volume includes the analytical subjects organic phosphorus by phosphate, thioctic acid, histamine, selected purine and pyrimidine bases, periodate oxidations, polysaccharide end groups, carbohydrate structure by infrared techniques, complex ion stability, metal-protein complexes, uses of metal buffers and metal indicators, zinc, and flame photometry and spectrometry.

The chapters are organized well and appear to be thoroughly documented into the 1954 literature; the usual Interscience standards of high printing and editorial quality are apparent. Contributors to future volumes should note the outstanding clarity of presentation and logic of organization shown throughout the chapter on metal-protein complexes by Hughes and Klotz.

Every chemist interested in the biological sciences should have ready access to this series of volumes on biochemical methodology in application to biochemical problems; this reviewer wonders, however, whether in the future technical reviews of types of instrumentation ought not include in this series more emphasis on specific utility in this particular field rather than on the instrument itself.

LITERATURE AVAILABLE

Crag Mylone. Powdered soil fumigant needs no plastic cover, and acts as herbicide, soil fungicide, and nematocide in preplanting treatments on tobacco, vegetable, and forest-tree seed beds. Mylone releases gaseous and water-soluble active ingredients that control most annual and perennial weeds, certain nematodes, and various harmful soil fungi. In recent tests,

Mylone gave pre-emergence control of pigweed, mustard, crabgrass, and foxtail. For information on how to use, request folder on Crab Mylone 85W, Dept. A&F, UNION CARBIDE CHEMICALS Co., 30 E. 42nd St., New York 17, N. Y.

Chlorosis Control. Deficiency of iron in plant and tree leaves controlled by iron complex developed for use as a leaf spray. May also be used for soil application. Ask for folder on Greenz 26, Dept. A&F, CHEMICAL PRODUCTS DIVISION, CROWN ZELLERBACH CORP., Camas, Wash.

Dimethyl Sulfide (DMS). Manufacturer now producing this basic and intermediate chemical at reduced cost. Samples and new brochure describing properties, further applications, and chemical reactions obtainable from Dept. A&F, CROWN ZELLERBACH CORP., Chemical Products Division, Camas, Wash.

Fertilizer Equipment Catalog. Catalog lists color slides from manufacturers of fertilizer application equipment. Write Dept. A&F, SLIDE SERVICE, NATIONAL PLANT FOOD INSTITUTE, 1700 K St., N.W., Washington 6, D. C.

Fume Hoods. Illustrated, 48-page catalog presents information on conventional, portable, and walk-in types, and introduces Airflow Thinwall series which provides 5 in. more working space and takes 4 in. less room space. Dept. A&F, KEWAUNEE MFG. Co., 5144 S. Center St., Adrian, Mich.

Fungi Organisms. A 24-page brochure outlines services provided by testing laboratory, including 24-hour delivery service of fungi at low cost. Write Dept. A&F, BURGOYNE TESTING LABORATORIES, INC., 542 Main St., Westbury, L. I., N. Y.

Fungicide. Terraclor, Olin-Mathieson's registered trademark for pentachloronitrobenzene (PCNB), is a fungicide recommended for control of a number of crop diseases. They include crown rot of clovers and alfalfa, damping-off of cotton, clubroot of crucifers, wire stem or black root of cauliflower, white rot of garlic, root and stem rot of green beans, sclerotinia drop of lettuce. More complete details and literature available from Dept. A&F, OLIN MATHIESON CHEMICAL CORP., Baltimore 3, Md.

Garden Maintenance Chart. Illustrated chart designed to show how to

control many common gardening problems involving insects, plant diseases, and weeds. Chart is broken down into four major areas—lawns, trees and shrubs, flowers, and vegetables—and gives quick, ready reference to symptom, cause, and cure of particular plant malady. Write Dept. A&F, DIAMOND BLACK LEAF Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.

Gum Arabic Solutions. Informative data on the preparation of clear solutions from various types of gum arabic. Laboratory Reports A-820-G2 and A-820-G3 may be obtained from Dept. A&F, MORNINGSTAR, NICOL, INC., 630 W. 51st St., New York 19, N. Y.

Materials Handling Equipment. Descriptions, specifications, and dimensions of equipment for storing and handling bulk materials are given in bulletin. Pneumatic conveying systems, bulk material handling accessories, and custom fabricating also discussed. Request Bull. 574, Dept. A&F, THE DAY SALES Co., 810 Third Ave., N.E., Minneapolis 13, Minn.

Price List. Product listings, market information, descriptive material, and prices contained in 38-page catalog. Contents include alcohols, aldehydes, animal fixatives, essential oils, aromatic chemicals and specialties, balsams and gums, certified colors, concentrated citrus oils, floral absolutes and concretes, oleoresins, ionones, resinexes, terpeneless oils, and vanilla aromatic chemicals and concentrates. Copies obtainable from Dept. A&F, DODGE & OLCOTT, INC., 180 Varick St., New York 14, N. Y.

Product Information. A 12-page catalog lists description, properties, and applications of almost 70 chemicals marketed under company's trademark. Included are boron chemicals, soda products, potassium compounds, and agricultural chemicals. Copies may be obtained by writing Dept. A&F, AMERICAN POTASH & CHEMICAL CORP., 3030 W. Sixth St., Los Angeles 54, Cal.

Vegetable Coloring. Anattene, a vegetable coloring in the yellow-to-orange range, is offered in both water-soluble and oil-soluble types in micro-crystal, powder, and liquid forms. Copy of 12-page brochure containing descriptions of all six types and other technical data available from Dept. A&F, S. B. PENICK & Co., 50 Church St., New York 8, N. Y.