

Chemical Structure and Physiological Action, by C. L. Alsberg. This is an address by the retiring President of the Washington Academy of Science, a reprint from its Journal.

Drying Crude Drugs, "Farmers Bulletin," 1231, U. S. Department of Agriculture. "In this bulletin two driers are described and the method of construction presented in detail. Either may be constructed by anyone familiar with the use of carpenters' tools from material which is everywhere available. The manner of drying is described and also the subsequent storage of the dried material."

Papers from the Wellcome Chemical Research Laboratories, 186-191: 186, "Diethylenetriamine and Triethylenetetramine;" 187, "Hyenanchin and Other Constituents of Hyenanche Globosa, Lamb;" 188, "Constituents of the Bark of Zanthoxylum Macrophyllum, Oliver;" 189, "Arylazoglyoxalinecarboxylic Acids;" 190, "Additive Compounds of Antipyrilaminodiacetic Acid and Its Salts, with Neutral Salts." 191, 4- β -Methylaminoethyl-Glyoxaline."

A Century of the U. S. Pharmacopoeia, 1820-1920. Titles, Synonyms and Abbreviations, by H. A. Langenhan. Bulletin of the University of Wisconsin, Serial No. 1123; General Series No. 907. Wisconsin Pharmaceutical Experiment Station. The Director refers to card catalog of names and synonyms of U. S. P. and N. F. items, prepared under his direction, and heretofore referred to in the JOURNAL A. PH. A. The usefulness of the card catalog in preparing pharmacopoeial life history of the individual galenic preparations, etc., suggested the value of an index and to conserve space the card plan is displaced by the page tabular form in this bulletin. The circular has 12 pages and covers the letter "A." The changes in titles are given and the alphabetical arrangement is according to Latin titles; English terms and synonyms are printed in italics. The compilation will prove valuable as well as interesting; the number of pages required for one letter indicates the extent of the work undertaken.

NEW PUBLICATIONS.

An Introduction to Chemical Engineering: An Elementary Textbook for the Use of Students and Users of Chemical Machinery. By A. F. Allen. 8 $\frac{1}{2}$ x 5 $\frac{1}{4}$. 272 pp. 10s. 6d. (London: Sir Isaac Pitman & Sons, Ltd., 1 Amen Corner, E. C. 4.)

Practical Pharmacy: A description of appli-

ances and processes employed in the preparation of galenicals, with an account of the assay of crude and manufactured drugs, together with a short treatise on the Art of Dispensing. By F. W. Lucas, Ph.C., and H. B. Stevens, Ph.C. Third edition. 9 $\frac{3}{4}$ in. x 6 in. 423 pp. 224 illustrations. 27s. (London: J. & A. Churchill, 7 Great Marlborough Street, W.)

Animal Proteins. By Hugh Gardner Bennett. Industrial Chemistry Series. 287 pp. Price \$3.75. (D. Van Nostrand Co., New York.)

Chemical Disinfection and Sterilization. By S. Rideal and E. K. Rideal. 313 pp. Price 21s. (Arnold & Co., London.)

Chemical Warfare: Riddle of the Rhine: Chemical Strategy in Peace and War. By V. Lefebure. 277 pp. Price, 10s. 6d. (W. Collins Sons & Co., Ltd., London.)

Colloids: The Chemistry of Colloids. By W. W. Taylor. 532 pp. Price, 10s. 6d. net. (Edward Arnold, London.)

Cosmetics. By Theodor Koller. 3d Edition. 269 pp. Price, \$3.50. (D. Van Nostrand Co., New York.)

Dictionary: Popular Chemical Dictionary. By C. T. Kingzett. 375 pp. Price \$4.00. (D. Van Nostrand Co., New York.)

Food Chemistry: Méthodes Actuelles d'Expertises Employées au Laboratoire Municipal de Paris et Documents sur les Matières Relatives à l'Alimentation. By André Kling. 326 pp. Illustrated, Price, 32fr. net. (Dunod, Paris.)

Food Products, Source, Chemistry and Use. By I. H. S. Bailey, 2d edition, revised. 550 pp. Price \$3.00. (P. Blakiston's Son & Co., Philadelphia.)

Handbook of Chemistry and Physics. By Charles D. Hodgman, M. F. Coolbaugh and C. E. Senseman. 8th edition. 711 pp. Price, 24s. (Chapman & Hall, Ltd., London.)

Inorganic Chemistry: Notes on Inorganic Chemistry. By F. Francis. 244 pp. Price, 8s. 6d. net. (Simpkin, Marshall, Hamilton, Kent & Co., Ltd., London.)

Laboratories: Their Plannings and Fittings. By A. E. Munby. 220 pp. Price, 25s. net. (G. Bell & Sons, Ltd., London.)

Microscopy: Critical Microscopy. By Alfred C. Coles. 104 pp. Price, 7s. 6d. net. (J. & A. Churchill, London.)

Modern Chemistry, Pure and Applied. By Arthur J. Hale. Vol. I. 272 pp. Vol. II. 276 pp. Price 16s. net per volume. (Virtue & Co., London.)

Organic Chemistry: An Introduction to Organic Chemistry. By D. I. Hammick. 258 pp. Price, 6s. net. (G. Bell & Sons, Ltd., London.)

Organic Chemistry: Study Questions in Elementary Organic Chemistry. By Alexander Lowy and Thomas B. Downey. 91 pp. Price, \$1.00. (D. Van Nostrand Co., New York.)

Organic Syntheses. By Roger Adams, Editor-in-Chief. 84 pp. Illustrated. Price, \$1.50. (John Wiley & Sons, Inc., New York.)

Qualitative Analysis: A Textbook of Qualitative Analysis of Inorganic Substances. By Sydney Alexander Key. 80 pp. Price, 7s. 6d. net. (Gurney & Jackson, London.)

Soil Conditions and Plant Growth. By F. J. Russell. The Rothamsted Monographs on Agricultural Science. 406 pp. Price, \$5.00 net. (Longmans, Green & Co., New York.)

Analytical Chemistry. Vol. I, Qualitative Analysis. By F. P. Treadwell and William T. Hall. 5th English edition. 597 pp. Price, \$4.50 net. (John Wiley & Sons, Inc., New York.)

Biochemistry: A Manual of Selected Biochemical Methods—as Applied to Urine, Blood and Gastric Analysis. By Frank P. Underhill. 232 pp. Illustrated. Price, \$3.00 net. (John Wiley & Sons, Inc., New York.)

Inorganic Chemistry: A Textbook of Inorganic Chemistry. By A. F. Holleman. 527 pp. Price, 19s. net. (Chapman & Hall, London.)

Laboratory Manual of General Chemistry. By Harry N. Holmes. 115 pp. Price, \$1.60. (The Macmillan Co., New York.)

Microbiologie Agricole. By E. Kayser, 4th edition. 2 vols. 715 pp. 98 figures. Price, 20fr. (J.-B. Baillièrè & Fils, Paris.)

Organic Chemistry: Résumé Analytique du Cours de Chimie Organique. By Paul Cazeneuve and Albert Morel. 2d edition. 432 pp. Price, 25fr. (J.-B. Baillièrè & Fils, Paris.)

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Quantitative Analysis: A Course of Instruction in Quantitative Chemical Analysis for Beginning Students. By George McPhail Smith. Revised edition. 218 pp. Price, \$2.25. (The Macmillan Co., New York.)

Quantitative Analysis: An Introductory Course of Quantitative Chemical Analysis with Explanatory Notes. By Henry P. Talbot. 6th edition, completely rewritten. 203 pp. Price, \$2.25. (The Macmillan Co., New York.)

Vegetable Oils: Les Huiles Végétalés. By H. Jumelle. 495 pp. 125 figures. Price, 15fr. J.-B. Baillièrè & Fils, Paris.)

Vitamine Manual: A Presentation of Essential Data about the New Food Factors. By Walter H. Eddy. 121 pp. Price, \$2.50. Williams & Wilkins Co., Baltimore.)

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