

Alcohol and adhering firmly to regulations adequate to safeguard legitimate alcohol and liquor. They insisted, however, that the proper functioning of business be not interfered with and that business be not obliged to take over policing activities or the func-

tions considered to be the duty of the Government.

The new regulations will not take effect until January 1st, and it is likely that the draft may be changed somewhat after receipt of the report of the council.

## BOOK NOTICES AND REVIEWS.

*Die Riechstoffe und ihre Derivate*, "Aromatic Bodies and Their Derivatives;" *Die Aldehyde*, Volume I, Part Two, edited by Director Alfred Wagner. A. Hartleben's Verlag, Wien and Leipzig, 1929; 362 pages; price, paper-bound, 25 marks.

The present monograph is one of a series of highly specialized treatises on perfumes and allied bodies, edited under the general directorship of Alfred Wagner, editor of the well-known journal, *Die Riechstoffindustrie*. The complete work is planned to consist of three large volumes, the first volume, in three parts, dealing with aldehydes of various kinds; the second volume dealing with phenols and phenol ethers; and the third dealing with alcohols and ethers. The monograph before us is the second part of the first volume and treats of aldehydes of the alicyclic series. This work has been prepared by three authors, Director Alfred Wagner, Chemist Alfons M. Burger and Professor F. Elze. The present work is one of the best of its kind inasmuch as it deals very extensively and in detail with every phase of perfume chemistry. This volume is devoted to the alicyclic aldehydes, and here we have a discussion not only of the common and well-known aldehydes employed in perfume chemistry, such as benzaldehyde, cuminaldehyde and cinnamic aldehydes, but also many rare ones. Eighty-five pages are devoted to the treatment of cyclic aldehydes with saturated side chains; seventy pages are devoted to aromatic mono-aldehydes with unsaturated side chains. Thirty-two pages are devoted to the heterocyclic mono-aldehydes; and there are separate sections dealing with keto-aldehydes and with higher aromatic aldehydes of the fatty acid series. The more important and widely used chemicals belonging to these groups are described in great detail, and this detailed description includes not only a complete exposition of their chemical structure, their preparation, tests for purity, detection in small quantities, and various reactions employed in studying them, but also gives the history of the com-

pounds and their uses and an exhaustive literature of a highly specialized character bearing on the subject. One of the most interesting and valuable features of this work is numerous tables showing the extensive relationships between the various chemical groups. The value of these can be fully appreciated only by specialists in chemistry and then only by those chemists who specialize in this particular department of organic chemistry.

Among the various subjects treated in this book we have the well-known aldehydes such as perillaaldehyde, myrtenal, phellandral, farnesal, cyclocitral santalol, benzaldehyde, phenylacetaldehyde, hydrocinnamylaldehyde, cuminaldehyde, cinnamylaldehyde,  $\alpha$ -amylaldehyde and  $\alpha$ -furfurol. Among the less well-known compounds the following may be mentioned: hexahydrobenzaldehyde, suberenaldehyde, suberanaldehyde, cyclohexylacetaldehyde, cyclohexylidenacetaldehyde, cryptal, camphenilaldehyde, noreksantalol, the toluylaldehyde, *p*-tolylacetaldehyde, ethylbenzaldehyde, hydratopaaldehyde, the dimethylbenzaldehyde, the methylhydrocinnamylaldehyde, methylcinnamylaldehyde, etc.

Even a superficial perusal of this work reveals that the writers are experts in their subject and have drawn not only upon their own extensive practical experience with the compounds studied but have also made an exhaustive study of the literature. The text is printed on excellent paper and, in addition to the many tables already referred to, contains a number of valuable illustrations. This work should appeal especially to chemists, perfumers, pharmacists and others interested in aromatic compounds.—DAVID I. MACHT.

*Aids to the Mathematics of Pharmacy*. By ARTHUR W. LUPTON, M.C., Ph.C., Joint Principal Leeds College of Pharmacy; one time member of the Board of Examiners of the Pharmaceutical Society for England and Wales. Published by William Wood & Company, 156 Fifth Ave., New York. 95 pages. Price

\$1.50. From the preface it may be concluded that there is need for a book dealing with the mathematical side of pharmacy in Great Britain. The book serves this purpose. A number of "short cut" methods are given; some of these require memorizing; others do not shorten the calculation very much; the greater number, however, are useful methods for making mental calculations. Proving the correctness of a calculation is more important than a "short cut"—both can and should be combined.

It should be remembered that British weights and measures are employed, so while the principle applies the factors differ. The book includes tables of antilogarithms and explains their applications, and logarithms are also given.

*Popular Science Talks.* Season of 1929. Presented by members of the faculty of the Philadelphia College of Pharmacy and Science. Published under the auspices of the *American Journal of Pharmacy*, with the aid of a fund established in memory of Thomas D. Simpson. Edited by Ivor Griffith; 360 pages. Price \$1.00.

This is the seventh volume of popular lectures open to the public and delivered by members of the faculty of Philadelphia College of Pharmacy. They are not arranged in a course, nor is there any interdependence or connection between the lectures. They are presented in a non-technical form, but without sacrificing scientific accuracy or completeness; usually they are illustrated. The subjects discussed during the season of 1929 and published in this volume are: "The Modern Sun Cult," by J. W. Sturmer; "The Romance of Beverages," by Charles H. LaWall; "Soil and Sod," by Arno Viehoever; "Time—What Keeps It?" by George Rosengarten; "How Much Do You Weigh?" by Adley B. Nichols; "The Cosmetic Urge," by Ivor Griffith; "Snakes and Snake Protection," by Louis Gershenfeld; "Heart Beat and Blood Flow," by Horatio C. Wood, Jr.; "The Carbon Oxide Brothers, Mon and Di," by Freeman P. Stroup; "The History and Mystery of Pyrotechny," by E. Fullerton Cook; "Little Drops of Water," by Marin S. Dunn; "Evolution of the Motion Picture," by George Wesley Perkins; "Iodized Salt—a Food or a Drug?" by D. W. Horn. The continued interest shown by the public, and the well and favorably known contributors, speak for the value of the series of popular talks.

*Science in the Kitchen.* Published by Mellon Institute, Pittsburgh. For several years research specialists of Mellon Institute of Industrial Research, Pittsburgh, Pa., have delivered series of popular radio talks, broadcast from the University of Pittsburgh Studio of Station KDKA, on recent advances in science. During the past winter the series consisted of eight talks: "The Well-Planned Kitchen," "The Intelligent Purchasing of Foods," "The Care of Food in the Home," "Good Proportions of Foods," "The Uses of Milk in the Home," "Good Meals for the Young Home-maker," "Food for Young Children," and "The School Lunch."

These talks have been published in the booklet mentioned, and this discusses the selection, care and service of foods. Copies are being sold at 60 cents by the Radio Manager, University of Pittsburgh. Complimentary copies, however, may be obtained by food specialists, domestic scientists and dietists who make direct application to Mellon Institute.

#### A CRITICAL REVISION OF THE GENUS EUCALYPTUS.

Before the demise of our late honorary member, Dr. J. H. Maiden, he advised the ASSOCIATION that the complete parts as issued, would be donated. The parts referred to in the note below have been received and also most, if not all, of prior issues. Notes from the *Pharmaceutical Journal & Pharmacist* have been used in the following:

*A Critical Revision of the Genus Eucalyptus.* By J. H. MAIDEN. I. S. O., F. R. S., F. L. S. Vol. viii. Parts 3 and 4. Parts lxxiii, and lxxiv, of the complete work, each with four plates. Pages 115 to 180 and 181 to 246. Price 3s. 6d. each. Sydney: Alfred James Kent, Government printer, 1929.

Seedlings are dealt with in these two parts, and the colored plates illustrate the characteristics of the following seedlings: *Eucalyptus eugenioides* Sieb.; *E. bicostata* Maiden, Blakely and Simmonds; *E. calophylla* R. Br.; *E. ficifolia* F. v. M.; *E. ptychocarpa* F. v. M.; *E. Foelscheana* F. v. M.; *E. miniata* A. Gunn; *E. eximia* Schauer; *E. F. v. M.*; *haematoxyylon* Maiden; *E. marginata* Sm.; *E. Buprestium E. sepulcralis* F. v. M.; *E. Planchoniana* F. v. M.; *E. setosa* F. v. M.; *E. ferminalis* F. v. M.; *E. maculata* Hook; *E. pellata* Benth.; *E. trachyploia* F. v. M.; and *E. corymbosa* Sm.

(To be continued)