

honorable record for about 400 years of Danish pharmacies and pharmacy. It is a document of which history of pharmacy can be justly proud.

Fachwoerterbuch fuer den Chemikalienhandel. Deutsch-English-Französisch-Spanisch. Bearbeitet von Dipl.—Ing. Erwin Hellbusch. Octavo 403 pp. Cloth, 10 Goldmark. R. Bredow Verlag, Berlin W. 57.

A chemical dictionary in 4 languages—German, English, French and Spanish—has been sadly needed for some time. The clever German author and the enterprising German publisher have fulfilled this want in the book before us.

The dictionary proper is divided into 4 parts: I, German-English-French-Spanish comprises 87 pages of 4 columns each. II, English-German consists of 100 pages; III, French-German 96 pages, and IV, Spanish-German 101 pages, each page containing double columns. An additional, Part V, contains abbreviations and correspondence in English, French and Spanish and besides a compilation of weights, measures and money in use in the different countries throughout the world.

The work is a true proof of the proverbial German thoroughness, as it contains not only chemicals, chemical products, chemical and technical methods and apparatus, but also drugs of the vegetable and animal kingdom, pharmaceutical preparations, oils, colors and pharmaceutical methods and apparatus. The author missed nothing and made the book as complete as possible.

It is a handy and handsome reference volume which should become better known in America among chemical manufacturers and chemists and among wholesale and retail druggists and pharmacists.

A Textbook of Pharmacology and Therapeutics. By E. Poulsson, Professor of Pharmacology in the University of Christiania. English Edition edited by W. E. Dixon, M.A., M.D., F.R.S., Reader in Pharmacology and Assessor to Regius Professor of Physics, Cambridge. First American Edition. Octavo 519 pp. Cloth, \$6—Baltimore, Williams and Wilkins Company.

Schmiedeberg's classical work "Grundriss des Pharmakologie" is one of the master works. Based thereon Prof. Poulsson the eminent Norwegian pharmacologist wrote his book which became a standard throughout Scandinavian and Teutonic countries. An English translation of this work by another authority is a welcome addition to the litera-

ture, and the first American edition by the enterprising Baltimore firm should be gratefully received.

The science of pharmacology and the art of therapeutics have made great strides, especially in recent years. In the book before us the author laid special stress on the relationship of pharmacology to applied therapeutics. He brought together into one volume the most important parts as can be seen from the headings of the six sections: Organic Remedies acting after Absorption, Those Acting Locally; Salts of Alkalies, Acids, Halogens, etc.; Heavy Metals; Ferments and Foodstuffs; Antitoxins and Bacterial Products.

The descriptions of the various drugs are necessarily concise but sufficiently clear and complete. The Latin and English titles of both the British and U. S. P. of drugs and their preparations are given, and the doses in both metric and apothecaries' systems. Many unofficial drugs, chemicals and galenicals are also included, when found to be of value. On p. 89 under Opium Alkaloids there are added Benzylmorphinae, Papaverinae, Pantoponum and Narcophinum, together with description, action, uses and dose. The chapters on cocaine, opium, antipyretics, purine derivatives, alcohol and purgatives are exceptionally well written. The paragraph on methyl alcohol and its poisonous effect should be read and studied by all interested. The discussion of some of the newer drugs and new uses of older drugs is up-to-date and throughout the book the author has taken great pains to bring the work into line with modern thought. It is a great book, by a great man on a great subject. The work is of great value not only to the pharmacologist but also to the physician, the pharmacist and the student.

OTTO RAUBENHEIMER, PH.M.

The Book of Receipts. By E. W. Lucas and H. B. Stevens. P. Blakiston's Son & Co., Philadelphia. 473 pages. Price \$4.00.

The authors have been active for a number of years in the advancement of pharmacy and chemistry in Great Britain. The first-mentioned is a fellow of the Institute of Chemistry and of the Chemical Society, a pharmaceutical chemist, late member of the British Pharmacopœia Reference Committee, late examiner of the Pharmaceutical Society. The Associate was lecturer on Pharmacy and Food and Drugs in the Southwestern Polytechnic Institute (England).

The fact that this is the 12th edition of this well and favorably known work, speaks for

its value to pharmacists. While prepared for British pharmacists, the greater number of the formulas given will find application in American drug stores. The veterinary section has been amplified and contains prescriptions illustrating the employment of drugs in general use for the treatment of the more common ailments of animals. Other formulas are types as well as definite compositions of proprietary articles, toilet preparations, dietetic articles, household specialties, etc. Practical methods are given, together with formulas, for the examination of urine, milk, potable waters, sputum, etc.

Evidently the veterinary practice is of importance in Great Britain for Part I deals with diagnosis, treatment and formulas, and covers more than 70 pages. The Domestic Formulary comes next, with nearly as many pages, and as great a variety of formulas, beginning with beverages and food stuffs and concluding with—how to whiten tennis balls, examination of writings of forgeries, and restoration of faded writing. The formulas indicate careful selection and adjustment. Photographic formulas comprise Part III, and herein the formulas of dealers in photographic chemicals are given in addition to other formulas and methods in general use. Pharmaceutical formulas comprise Part IV, followed by the sections of toilet preparations, and of perfumes. It is rather difficult to review a book of formulas, but basing comment on the successive revisions, the selection and the formulas with which we are acquainted, the book is deserving of favorable commendation and recommendation to pharmacists. It should be observed that the Imperial system of weights and measures is used and quantities must accordingly be calculated. The system is not exclusively employed however, and that is offered as a criticism—on page 215, for example, quantities are given in metric, Imperial denominations and by parts in three formulas, one following the other. Also, such quantities as one-fourth of a drop, one-half drop are given—there might be a reason if in the group of formulas the same quantities were designated, but this is not the case; therefore, it would have been better to figure the finished product so that a drop or a minim, or better still, measurable minims had been designated. Every formulary carries such imperfections, because the original formula is followed.

Many useful tables are appended. The

book reflects credit on the compilers and publishers.

Chemistry in Industry: a cooperative work intended to give examples of the contributions made to industry by chemistry. Edited by H. E. Howe, chairman of American Chemical Society Committee on Prize Essays; editor, *Industrial and Engineering Chemistry*. 12 mo. 372 pages, cloth. New York, The Chemical Foundation, Inc.

This book has been published in response to the demand for such a work; monographs, prepared by twenty-two leading industrial chemists of this country, have been collected in one volume by H. E. Howe, Editor of *Industrial and Engineering Chemistry*, and published by the Chemical Foundation, Incorporated, of New York City. It presents a symposium to which these co-workers have contributed, and it is written in language that holds the reader's attention and develops his interest in the subjects.

The scope of the field covered is shown in the following chapter headings: I, The foundations of chemical industry, by Robert E. Rose; II, Abrasives, by F. J. Tone; III, Alcohol and Other Solvents, by D. B. Keyes; IV, Coal, Coke, and Their Products, by F. W. Sperr, Jr.; V, Cotton and Cotton Products, by Thomas C. Law; VI, Chemistry in the Electrical Industry, by Buckner Speed; VII, Some Applications of Electrochemistry, by A. H. Hooker; VIII, Chemistry in the Fertilizer Industry, by R. B. Deemer; IX, Industrial Gases, by Clark S. Robinson; X, Glass, One of Man's Blessings, by Alexander Silverman; XI, The Elements of Iron and Steel Manufacture, by A. E. White; XII, The Making of Leather, by John Arthur Wilson; XIII, Non-ferrous Metallurgy, by H. W. Gillett; XIV, Chemistry of Packing House Processes, by W. D. Richardson; XV, Chemistry in the Pulp and Paper Industry; by Maximilian A. Krimmel; XVI, Perfumes and Flavors, by S. Isermann; XVII, The Petroleum Industry, by Gerald L. Wendt; XVIII, Photography, Or Picture Making By Light, by S. E. Sheppard; XIX, Synthetic Resin; a Chemical Contribution to Structural Materials, by A. V. H. Mory; XX, Chemistry in the Rubber Industry, by W. J. Kelly; XXI, Chemistry in the Textile Industry, by L. A. Olney.

The book may be obtained at one dollar per volume, which represents its cost, from American Chemical Society, Committee on Prize Essays, 85 Beaver St., New York.