

W. L. DuBois of Catskill, N. Y., celebrated his 89th birthday, during convention week. Friends surprised the veteran with a gold matchesafe; the presentation was made by William C. Anderson.

The ASSOCIATION first was expressed by cities who were in the headquarters' contest—an evidence of spirit which has always pointed out the AMERICAN PHARMACEUTICAL ASSO-

CIATION as altruistic and engaged in and for service to pharmacy and the drug industries and those served thereby.

The resolutions adopted by the ASSOCIATION, the minutes printed and to be printed, the editorial and the several addresses speak of many more events of the Diamond Anniversary meeting, held in St. Louis in 1927.

BOOK NOTICES AND REVIEWS.

Untersuchungen über Beziehungen zwischen Konstitution und Farbe von Kohlenstoffverbindungen. By Drs. F. Kehrmann and Maurice Sandoz. Leipzig, 1926, 266 pages. Verlag von Georg Thieme. Price twenty-four gold marks.

This work consists of a collection of papers published by the authors together with various assistants in different chemical journals and is a very valuable handbook or book of reference for those interested in dye chemistry especially in the relation of chemical structure to color. Most of the articles have been published by the various authors in German but a considerable number of the papers included here are also printed in French. The work is divided in two sections: Part one is a collection of researches chiefly of theoretical interest. Part two contains articles of more practical or applied character and contains a great many valuable measurements and graphs. In the first section we find papers dealing with the following subjects. 1. Azo dyes containing the Chinon group. 2. Relation of color and chemical constitution. 3. Fluorescence. 4. Triphenylmethan dyes. 5. Theory concerning chinoid onium salts. 6. The relation between acid and basic dyes, etc. In the second portion of the work a great deal of the space is devoted to the study of absorption spectra and the various papers contain valuable curves dealing with this subject. There are also a great many curves dealing with spectroscopy. The greater part of the work dealing with absorption spectra has been done by Sandoz and is published in French. This work contains in addition to spectroscopic data numerous structural formulas expressing the latest views on the chemical structure of a large number of dyes, and is for this reason a very useful reference work to all those who are interested not only in the chemistry of the subject but in the relation

of dyes to pharmacological and toxicological action.—D. I. M.

A Survey of American Chemistry including reports from Scientific Committees, Division of Chemistry and Chemical Technology, National Research Council. Volume I—July 1, 1925 to July 1, 1926. By William J. Hall in cooperation with Clarence J. West. 257 pp., cloth. The Chemical Catalog Company, Inc., New York, 1927. Price \$2.00.

The National Research Council has essayed to bring together in this volume a number of articles contributed by more than thirty well-known scientific authorities so as to give a perspective of the advance made in the several fields of research.

Frank O. Taylor is the contributor of the chapter on "Pharmaceutical Chemistry;" we are pleased to note that the greater number of references in this chapter are to the *JOUR. A. PH. A.* Nearly one-half of the chapters concern what might be broadly classed as organic chemistry. The purpose of the book to present a survey of American Chemistry has been well accomplished, and anyone interested in chemical research and the problems of chemical industry will find the book of value, and as a reference book it has more extended interest and value.

Essentials of Pharmacy with Questions and Answers. By Clyde M. Snow, Ph.G., A.M., Professor of Pharmacy, University of Illinois School of Pharmacy. Third Edition. 804 pp., cloth. C. V. Mosby Company, St. Louis, 1927. Price \$5.50.

The author states that the revision of the U. S. Pharmacopœia and National Formulary made a revision of "Essentials of Pharmacy" necessary. The general outline of the work was given in previous reviews. The subjects are presented in the order originally outlined by the late Prof. C. S. N. Hallberg in a course of pharmacy at the University of Illinois

School of Pharmacy. Effort has been made to have the questions follow each other in logical sequence, even to the asking and answering of some questions which might seem to have no relation to pharmacy, but which serve, in a few words, to give the student a better understanding of the terms used. The book is arranged on the question-and-answer plan. About 150 subjects receive consideration and there is an Index of 34 pages.

Chinium, a volume of 262 pages, artistically bound, has for its purpose the increase of the use of quinine. It is published in Amsterdam by a Bureau engaged in quinine research. The publishers ask for reports and papers concerning the use of quinine and other cinchona alkaloids.

The book is full of information on the subject of malaria, its treatment and methods employed. There are many illustrations, showing places that have been made habitable by destroying mosquitoes and where afflicted have been restored to health by treatment with quinine.

A picture of the late Battista Grassi, noted zoölogist and eminent malaria specialist, occupies the place of honor in the volume and is followed by an autographic reproduction of a paper prepared by him for the Bureau, shortly before his death in 1925.

The reports and papers are most instructive and give an idea of the tremendous financial loss and suffering brought about by malaria, which can be remedied by treatment. A map showing the itinerary of the Malaria Commission of the League of Nations to Eastern Europe and Italy is included. Copies may be had by those interested by addressing Bureau for Increasing the Use of Quinine, 48 De Wittenkade, Amsterdam.

THESES RECEIVED.

Contributions of comparative anatomical structures of the roots of umbelliferous plants employed in pharmacy.—A dissertation presented for the Doctor's degree at the University of Basel, by Kurt Liermann, Apothecary, at Lörrach, under the direction and instruction of Dr. H. Zörnig and Dr. G. Senn. The work covers 100 type pages; about thirty different drugs are given careful descriptive consideration and illustrated. Comparatively few of these drugs are used to a great extent in the United States.

The author concludes with the statement that his investigations have shown that

great difficulty obtains in differentiating between the twenty-eight roots given consideration by him and in specific identification by the anatomical structure.

Contributions to the Anatomy of the Myrta-ceae Barks.—Consideration is given to the *Eugenias* and *Eucalypti*; twenty of the latter and ten of the former have been described. The work was carried on under the direction of Dr. H. Zörnig and Dr. G. Senn and for the attainment of the Doctor's degree by Beda Brögle of Burgdorf. The descriptions are given in detail and with illustrations. The author groups certain species and varieties and concludes with a key which differentiates and identifies the barks. He gives quite a number of references in the introductory and bibliography and we are somewhat surprised that the author deemed it unnecessary to name J. H. Maiden in some connection with the *Eucalypti*.

Cannabinol Researches, a dissertation presented by Felix Baur, Apothecary in Basel, to the faculty of Basel University for the Doctor's degree. The work was carried on under the direction of Dr. H. Zörnig and Dr. P. Casparis. The dissertation is exhaustive, beginning with an historical account, presenting with careful detail physical and chemical characteristics, and concludes with the results of the author's investigations. He differs with Fränkel relative to the chemical formula and identification, stating that the cannabinol of the latter is an impure product. Dr. Baur prepared a large number of, if not all possible, combinations. He concludes that cannabinol is neither an ester, acid, aldehyde, ketone nor phenol; his work indicates that it is polyterpin. The report covers more than 70 type pages.

ADDITIONS TO THE HERBARIUM OF BRITISH PHARMACEUTICAL SOCIETY.

Names of donors are given.

Alstonia Gilletii (Fr. J. Gillet, Kisantu, Belgian Congo).

Backhousia myrtifolia (Technological Museum, Sydney).

Backhousia sciadophora (Technological Museum, Sydney).

Berberis Aquifolium (Mr. G. T. A. Short).

Berberis aristata (Mr. R. N. Parker, Dehra Dun).

Berberis asiatica (Mr. R. N. Parker, Dehra Dun).