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SCIENTIFIC AND APPLIED PHARMACOGNOSY.—

Intended for the use of students in pharmacy, as a handbook for pharmacists, and as a reference book for food and drug analysts and pharmacologists by Henry Kraemer, Ph. B. (in chemistry), Ph. M. (in pharmacy), Ph. D. (in botany), Professor of Botany and Pharmacognosy, and Director of the Microscopical Laboratory, in the Philadelphia College of Pharmacy; Member of the Executive Committee of Revision of the Pharmacopoeia of the United States of America, Corresponding Member of the Société de Pharmacie de Paris, etc. Illustrated with over 300 plates comprising about 1000 figures. Published by the author, 145 North 10th Street, Philadelphia.

This handsome, large 8 vo. of 837 pages is now available as the companionbook to the volume on Applied and Economic Botany published by the same author some months ago.

In the preface to the present volume the author very properly asserts that because of the role played by vegetable substances in the treatment of disease pharmacognosy takes rank as one of the most important divisions of applied botany. The training for this study is fundamentally botanical and the technique employed is essentially that of the plant morphologist, physiologist and taxonomist. The preface further states that the domain of pharmacognosy, because of the diversity of interests, is one of the most fascinating studies that can engage the attention of pharmacists.

It would be difficult indeed for anyone at all interested in pharmacy or any one of the many related studies to review the text and the many handsome illustrations in this volume on scientific and applied pharmacognosy without appreciating the truth of the statements made by the author in the preface as quoted above. The nature, composition, origin and romance of drugs are emphasized in this book in a way that must appeal to all who are either directly or indirectly interested in drugs and their uses. A natural classification has been adopted and the plants and drugs mentioned are grouped according to "Die natürlichen Pflanzenfamilien" of Engler and Prantl, now generally followed by writers on botany. The

book also includes a chapter on powdered drugs and a key for the study of powders. Reference is made easy by a comprehensive index of 20, three column, pages containing more than 3300 references.

M. I. W.

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WINDOW DISPLAY FOR DRUGGISTS.—By Harry B. Mason. Third Edition. E. G. Swift, Detroit, Mich.

The very fact of a third edition of a pharmaceutical book is noteworthy, and shows that the efforts of the author were well appreciated by those for whom the book was written. Mr. Mason has a remarkable gift of recognizing the practical wants of the everyday druggist, and understands how to supply a remedy for certain pharmaceutical ailments that others overlook, or consider of no account. The importance of proper window displays must be apparent to every observer who strolls through the streets of a big city and keeps his eyes open. It is nothing unusual to see placards of a cough syrup that were put in the window in the Spring, covered with fly specks in August; or others that announced insect destroyers in Summer, remain there till Christmas. There certainly is a need to call certain negligent druggists to order, teach them the use and value of attractive displays, and give them suggestions on the subject of window dressing in general. The third edition of this useful little book has added thirty-two descriptions and engravings of new trims to the former ones and is a living testimonial of the skill and good judgment of the author. The publishers also deserve credit for the neat and attractive typographical execution of the volume.

W. C. A.

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COLLECTED PAPERS FROM THE RESEARCH LABORATORY.—Parke, Davis & Co., Detroit, Mich. Dr. E. M. Houghton, Director. Reprints. Volume 3, 1915.

This volume of 341 large 8 vo. pages contains reprints of 22 original communications of pharmaceutical and pharmacologic interest.

Among the papers that are largely pharmaceutical, it will suffice to enumerate: U. S. P. Menstrua, by H. C. Hamilton; The Sterilization of Adrenalin Solutions, by L. W. Rowe; Disinfection and Disinfectants, by H. C. Hamilton; the Bacteriological