

BOOK NOTICES AND REVIEWS.

Plant Physiology.—By Vladimir I. Palladin. 2nd American Edition, 1922. 360 pp. 173 illus. Translated and edited by B. E. Livingston.

The present second American edition of the book is based on the German translation, and the 7th (1914) Russian edition. A biographical note of great interest is taken from the 9th Russian revision, published in 1922, shortly after the death of Palladin. An excellent photograph of Palladin is also inserted.

The book is written for the elementary student of plant physiology. A classified list of reference books is included. The contents are divided into two parts, the Physiology of Nutrition, and the Physiology of Growth and Configuration. In the first part are discussed assimilation of carbon and energy by plants with and without chlorophyll, assimilation of nitrogen, absorption of ash-constituents, gases and other substances, movement of materials in the plant, transformation of plant constituents, and finally fermentation and respiration.

In the second and much shorter part, a general discussion of growth is followed by a discussion of the influence of internal and external conditions on growth and configuration. In other chapters climbing plants and plant movement and the development and reproduction are briefly discussed.

The text on the whole is very little changed from the first edition published in 1918. The same illustrations, quotations and notes have generally been retained. A few striking recent investigations have, however, been included. In some cases also the book references have been revised and more recent editions, instead of older ones, have been given.

The most striking feature, and an exceedingly useful addition, made by the editor, is the series of summaries concluding each of the chapters. While advanced students may desire a more detailed discussion of recent investigations, including Palladin's own investigations on respiration and fermentation enzymes, the book is remarkably well suited for an introduction to plant physiology and can be heartily recommended to pharmacy students, pharmacists and other workers interested in this subject.

A. VIEHOEVER

PUBLICATIONS RECEIVED.

Bulletins, 192-196, from the Wellcome Chemical Research Laboratories, Snow Hill, London:

The "Chemotherapy of Antimony,"—comparison of the antimony tartrates with organic compounds of antimony—by Robert George Fargher and William Herbert Gray. "Chenopodium Oil," by Thomas Anderson Henry and Humphrey Paget. "The Constituents of the Flowering Tops of *Artemisia Afra*, Jacq.," by John Augustus Goodson. "Mercury Compounds of Hydroxybenzaldehydes," by Thomas Anderson Henry and Thomas Marvel Sharp. "Silver Salvarsan," by William Herbert Gray.

Reprints from *Journal Association of Official Agricultural Chemists*, Vol. VI, No. 4: "A New Sedimentation Tube and Its Use in Determining the Cleanliness of Drugs and Spices," "Sublimation of Plant and Animal Products—Third Report," by Arno Viehoever. "Domestic Sources of Cantharidin,"—I. *Macrobasis albida* Say, by Arno Viehoever and Ruth G. Capen.

Correcting Misuse of the Word "Drug."—A campaign of interest to those associated with the manufacture, sale, distribution and use of drug store products. By Charles H. Eyles, President of Richard A. Foley Advertising Agency, Inc., 219 N. Broad St., Philadelphia.

The opening paragraphs of this booklet which is being widely distributed, read:

"The Drug Trade Board of Public Information in its June Bulletin addresses an appeal to 500 newspapers in various parts of the country for the purpose of enlisting their support in curbing the misuse of the word 'drug' in connection with stories involving the illegal use and sale of narcotics, commonly known as 'dope.'

"The legitimate drug and pharmaceutical business is being injured every time a story about narcotic peddlers and dope fiends is published and such terms as 'drug peddlers,' 'drug addicts' and 'drug fiends' are used in connection with such stories.

It will be noted that due credit is given to the Drug Trade Board of Public Information, and the work undertaken by Mr. Eyles and the Company of which he is the President, deserves commendation. The success with which the effort has met is evidenced in the booklet by excerpts from letters of endorsement and cooperation written to Mr. Eyles by newspapers, magazines and publishing houses, among them are: *New York Tribune*, *New York American*, *Curtis Publishing Company*, *Pittsburgh Leader*, *Cosmopolitan*, *Review of Reviews*, *Doubleday Page & Co.*, and many others, and the work is going on; in fact, from the interest expressed