

cases the descriptions are couched in general terms; only in certain cases are the quantities given with specific directions for preparation.

It is stated in the preface that the book was written to meet the needs of those studying for the diplomas of the Pharmaceutical Society of Great Britain and for degrees in pharmacy and that it covers the chemistry necessary for the Druggist Qualifying Examination. No doubt it serves these purposes, but it is believed that there will be only a very limited demand for it in this country as it is too restricted in scope to serve as a reference work and it adheres too closely to the British Pharmacopœia to serve as a text in our schools and colleges of pharmacy. A. G. DuMEZ.

Chemistry of the Proteins and Its Economic Applications. By Dorothy Jordan Lloyd, M.A. (Cantab), D.Sc. (Lond.) and Sir Frederick Howland Hopkins, M.B., D.Sc. Pages xii + 279 with 50 illustrations. Price \$3.00. P. Blakiston's Son & Co., Philadelphia.

In this small volume there is given a general review of the entire field of protein chemistry and it is done in a most satisfactory manner. The theories of protein chemistry are concisely stated, and the practical applications to biology and industry are brought out in every instance where they apply.

The book is divided into two parts. The first part deals with the constitutional chemistry of the proteins and the second part with their physical chemistry.

While the book is of special interest to students and research workers in the biological sciences, it contains much of interest and value to pharmacists. There are chapters on the chemistry of protein foods with special reference to dietetics, the problems of food preservation, the theory of protein solutions and the industrial applications of proteins, use of which give information applicable to pharmacy. A. G. DuMEZ.

Recent Advances in Biochemistry. By John Dryde, B.Sc. (St. And.), M.Sc., (Wales). Pages vii + 348 with 38 illustrations. P. Blakiston's Son & Co., Philadelphia.

In this volume an attempt has been made to review the recent advances in the field of biochemistry where these advances have been most striking. The topics included evidently have been selected with a view to wide diversification, hence anyone interested in the biological or medical sciences will find the volume attractive reading.

Of special interest to the pharmacist are the chapters on the carbohydrates, the vitamins, the chemical bases of specific immunological reactions and chemotherapy.

The prescription pharmacist can well afford to reserve a place for this volume on his bookshelf. A. G. DuMEZ.

PLANT SCIENCE SEMINAR.

Fifth Annual Session of Plant Science Seminar will probably be held in St. Louis, during the week, commencing August 15 or August 29, 1927; definite date will be announced in next issue of the JOURNAL.

If you have attended previous sessions, you know how enjoyable they are, if you have not, do so this time and be assured of a hearty welcome. If you wish to make any suggestions, read a paper or want any information, you are invited to communicate with O. P. M. Canis, *Secretary-Treasurer*, Professor of Pharmacognosy, Rutgers University, Department of Pharmacy, Newark, N. J., or E. N. Gathercoal, *President*, Professor of Pharmacognosy, University of Illinois School of Pharmacy, Chicago, Ill.

TENTATIVE PROGRAM.

Special addresses by Dr. H. Thoms, Pharmaceutical Institute, Berlin, Germany; Prof. E. Fullerton Cook, Philadelphia College of Pharmacy; Dean W. B. Day, University of Illinois School of Pharmacy.

Laboratory demonstrations: "Quantitative Evaluation of Organic Powders," Dr. G. L. Keenan; "Survey of Our Native Drug Resources," Dr. W. W. Stockberger; "Report on Histological Nomenclature," Professors E. L. Newcomb, A. Schneider, H. W. Youngken, E. H. Wirth, E. N. Gathercoal.

New German Pharmacopœia compared with U. S. P. X, Prof. E. H. Wirth.

"Pharmacology and Plant Physiology," Professor A. H. Clark, Dr. H. C. McGuigan, Dr. E. H. Vollweiler.

Round Table on teaching of Pharmacognosy led by Dr. A. Hogstad. *Botanical Excursions*, led by Dr. H. H. Rusby, Dr. A. Viehoever and Dean Day.

Prof. Charles Plitt, Baltimore, and Dr. La Garde, bio-chemist of Prague, will present papers.