

*can Journal of Clinical Pathology*, of which the first number will be issued in January 1931.

The new journal will emphasize new methods in laboratory work, the material being primarily of a practical and clinical nature. It is designed to be useful and serviceable to the technician as well as to the pathologist. For the present the journal will be published bi-monthly.

**R. B. Murray** will be manager of the new plant of Mallinckrodt Chemical Works, Ltd., in Toronto. **Leo G. Ryan**, a former retail pharmacist and president of Montreal College of Pharmacy has charge of the Montreal headquarters.

**Henry S. Johnson** has been elected dean of Connecticut College of Pharmacy. He was for a time professor of Organic Chemistry at the University of Porto Rico. He received his Master's degree at Yale Graduate School and holds a Captain's commission in the Officers Reserve Corps, Chemical Warfare Service.

The Alumni Association of Columbia University College of Pharmacy will tender a testimonial dinner to **H. V. Arny**, newly appointed dean of the college, on the evening of February 25th at the Hotel New Yorker. The preliminary arrangements were made recently at a committee meeting during which many members of other pharmaceutical organizations offered their hearty cooperation. It is there-

fore expected that the banquet will result in a general turn-out of all the friends and admirers of Dean Arny and be a real tribute to him.

**Frederick Rohnert**, member of the AMERICAN PHARMACEUTICAL ASSOCIATION, prominent pharmacist of Detroit, Mich, is celebrating fifty years in pharmacy.

**A. M. Lichtenstein**, of Cumberland, Md., has donated an Indian mortar to the ASSOCIATION. Evidently, the mortar dates back a long time—it is made of clay and while, in proportion, it follows the usual lines, the surface, both the inside and outside, are rough. One handle is twice the length of the other, this, and part of the roughness, may have resulted from usage. We are indebted to the donor and hope others will think of the library and museum, soon to be a reality, when they have items of interest—if possible, the history of the article should be given.

#### NEW HAMPSHIRE AND VERMONT ASSOCIATIONS.

The New Hampshire Pharmaceutical Association will hold its mid-winter meeting in Concordia, in January. It is contemplated to hold the annual meeting in the White Mountains some time in June.

Vermont Pharmaceutical Association will meet at Lake Money Club, Fairlee, June 15th and 16th.

### BOOK NOTICES AND REVIEWS.

*Inorganic Pharmaceutical Chemistry.* By CHARLES H. ROGERS, D.Sc. (in Pharmacy), Professor of Pharmaceutical Chemistry in the College of Pharmacy, University of Minnesota. Published by Lea and Febiger, Philadelphia. 676 pages with 50 engravings. Cloth \$7.00.

The text of this book was written for the purpose of filling a distinct need for a chemistry which would offer pharmacists and students of pharmacy a specialized study of the inorganic chemicals of particular pharmaceutical interest.

The author has assumed in presenting his material that the readers are familiar with the fundamental laws and theories governing the activities of chemical bodies; that they will have previously learned in courses of general chemistry certain characteristics of the elements.

Presupposing, therefore, this general knowledge theoretical discussions of ionization, equilibrium, electrolysis, etc., are abandoned in

favor of a precise delineation of facts regarding those elements and compounds which are of importance in pharmacy. The subject matter begins immediately with a study of oxygen and ozone, omitting the usual preliminary chapters on the physics of matter and other theoretical considerations.

It will be seen then, that as there is no theory whatsoever presented the book is not a substitute for one on general chemistry, rather an addition to, or a supplementary reference which contains information only about chemicals used in pharmacy.

The elements studied are, with few exceptions, taken up in the order they occur in natural groups or families. There are, in consequence, eleven major divisions of the book, each of which is sub-divided into three to six chapters. In brief, the outline of the contents is as follows: Chapters I-IV, inclusive, cover oxygen, ozone, hydrogen, water, hydrogen peroxide, nitrogen, nitrous oxide

and ammonia. The halogen family is next, comprising a section of five chapters, in which is also included a study of inorganic acids. The alkali metals, coinage metals (copper, silver and gold), alkaline earths, beryllium and magnesium and their compounds; boron, together with aluminum and the metals of Group III, Group IV; the phosphorus family; Group VI, and a section covering iron, cobalt and nickel follow, as the other main divisions of subject matter in the sequence listed.

The plan of the various chapters is a uniform one. First, the element to which the chapter is devoted is studied. Then each of its official and pharmaceutically important compounds are discussed. The material involved is set forth consecutively under the heads history, occurrence, physical properties, chemical properties, tests for identity, commercial methods for manufacture (considerably elaborated), laboratory methods of manufacture, quantitative determination, pharmaceutical preparations and uses. Where the author has deemed advisable the pharmacological action of the various ions have been inserted.

Viewed as a compilation of facts regarding the chemical tools of pharmacy the book has adequately fulfilled its destiny, although possibly a little too much weight has been placed on methods of manufacture, and not enough on the reactions of the chemicals. It does represent an advance in its field and points the way to standardization of such material. Perhaps it will aid in restricting the number of definitions of pharmaceutical chemistry, thus making the work taught under that name more uniform and rendering thereby a service of great value.—LOUIS WAIT RISING.

*Recent Advances in Analytical Chemistry.* By C. AINSWORTH MITCHELL. Publishers, P. Blakiston's Son & Co., Inc., Philadelphia. Price \$3.50.

Volume I of "Recent Advances in Analytical Chemistry," covering certain important analytical methods of organic compounds and edited by C. Ainsworth Mitchell, makes a definite contribution to the field of analytical chemistry.

The fact that each of its ten chapters has been written by a person with very special knowledge of the subject he is treating, makes it presumptuous for any one person to pretend to pass critical judgment on the details of the many different methods presented.

Rarely has an author succeeded in doing more exactly that which is stated in the preface as his purpose. The object of the work according to the editor is to present a brief summary of the older analytical methods for the subjects treated, together with ample literature and abstract references. The more recently developed methods are presented in considerable detail. Some of his suggestions as to fields of research, looking toward further development of analytical methods, seem very promising.

The subjects treated in separate chapters are Sugar Analysis, Oils and Fats, Essential Oils, the Proteins, Tannins, Cereals, Milk and Milk Products, Paper, Petroleum, Coal and Gas Analysis. The analytical methods used for these substances are summarized and brought up-to-date.

The Editor is correct when he states that the volume cannot replace but merely supplement more comprehensive standard works such as "Allen's Organic Analysis" and other more restricted volumes. He is very modest, however, when he states, "The work is primarily intended for those who have a general knowledge of chemistry but require information as to the best methods of dealing with analytical problems on the various fields discussed." It is a book which can be used to advantage by even the most experienced analyst. - ERNEST LITTLE.

*Ergänzungsbuch zum Deutschen Arzneibuch* (Supplement to the German Pharmacopoeia). Compiled and published by the German Apothecaries Society. 5th Edition. The book is to be obtained from Verlag des Deutschen Apotheker Vereins and the price is 10 marks.

The statement is made on the title page that the drugs and preparations in this book are not official in the German Pharmacopoeia. A description in brief of this work might be given as a composite of the "National Formulary," the "New and Non-official Remedies," and the "Pharmaceutical Recipe Book."

Among co-workers on the book the following are named: Dr. J. Herzog, Prof. Dr. H. Zörnig, Dr. K. Schulze, Dr. F. Diepenhock and the late Dr. L. Lewin.

About 1000 articles are considered in the book of more than 500 pages. In connection with drugs for which standards are included there are also suggestions relative to their preservation, and the characteristics of the preparations; color, taste, etc., are briefly