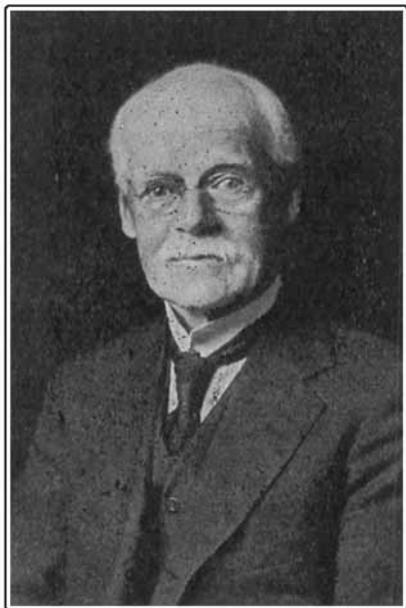


We are indebted to Secretary J. W. England, of the Alumni Association, for the data of this sketch. Personally, the writer desires to express high regard for the deceased who was a classmate and always a friend, in every sense that the term implies.

CHARLES CALVIN BINGHAM.

Charles C. Bingham died April 25, 1925, in the home where he spent nearly all of his life. He was born in St. Johnsbury, July 4, 1846. In 1919 Mr. and Mrs. Bingham celebrated their golden wedding.



CHARLES C. BINGHAM.

After the death of his father, J. C. Bingham, in 1870, Mr. Bingham succeeded to the drug store which his father bought in 1845.

Throughout the Civil War and for several years later the telegraph office was in the Bingham Drugstore and Mr. Bingham became an expert telegrapher handling most of the messages through the exciting days of '61 to '65, as Gov. Erastus Fairbanks had his official residence in St. Johnsbury, necessitating much extra business between this city, the state, and national capitals.

Mr. Bingham kept up his interest in electrical development and in the late seventies installed the first telephone in this section between his house and store. This was soon extended to include physicians' offices and later he established the St. Johnsbury Exchange which he managed for some years.

Mr. Bingham was one of the few druggists in the state to belong to the AMERICAN PHARMACEUTICAL ASSOCIATION of which he had been a member for 50 years. He was a member of State Association from its organization and was a member of the first Board of Pharmacy and served as its President for some time.

He was senior deacon of the North Congregational Church and, with one exception, the oldest member.

He retired from business in 1919 but kept up an interest in everything that pertained to the good of the community to the very last. A lover of flowers and the great out-of-doors, he kept his grounds neat and trim.

His store was one of the oldest and best known in Vermont. He was the last of St. Johnsbury's older business men. He represented another generation, a gentleman of the old school, the highest type of citizen. The local druggists attended his funeral in a body.—
WELCOME B. EASTMAN.

NOTE: Effort was made to secure a sketch ever since the demise of Mr. Bingham, because of his 50-year membership, but Mr. Eastman was not in position to supply the data until recently.

SOCIETIES AND COLLEGES.

A TYPOGRAPHICAL ERROR IN SESQUI FOLDERS RELATIVE TO MEETING DATES OF THE A. PH. A.

Page 34, lines 16 and 17, of the Sesqui Folder sent out by the Local Philadelphia A. PH. A. Committee should be September and *not* August—the meetings of the AMERICAN PHARMACEUTICAL ASSOCIATION, of the American Association of Colleges of Pharmacy and Na-

tional Association of Boards of Pharmacy will be held during the week of September 13. Local Secretary Ambrose Hunsberger has asked us to call attention to this typographical error.

"PHARMACEUTICAL FIRSTS" IN PHILADELPHIA.

BY CHARLES H. LAWALL.

The visitor to Philadelphia who is interested in matters historical will find much that is

distinctive and unusual in connection with the development of Pharmacy.

Philadelphia long has been known as the "City of Firsts" in historical matters. It is not generally known outside of the pharmaceutical profession that it is a "City of Firsts" in matters of interest to the pharmaceutical and medical professions.

The oldest commercial firm in the United States is the firm of T. Morris Perot, who in 1687 opened a Malting establishment and for more than two centuries have furnished malt and malt products to their customers.

The first hospital pharmacy was established in 1754 in connection with the Pennsylvania Hospital, still occupying the block at 8th and Spruce Streets. Jonathan Roberts was the first hospital pharmacist to take charge of this work.

The first medical College in America was the Medical School of the College of Philadelphia founded in 1765 by Dr. John Morgan and later merged in the Medical Department of the University of Pennsylvania. Dr. John Morgan was the first physician to write a prescription to be filled by a pharmacist.

The first official Pharmacopœia in America was the one completed at Lititz and published in Philadelphia in 1778 for use in the United States Army.

The first chemical manufacturing on a large scale was done by Christopher and Charles Marshall in 1786 in connection with their retail drug business.

The first white lead factory in America was established in 1804 by the Wetherills.

The first Dispensatory to be published in the United States was Coxe's American Dispensatory issued in 1807, later this was superseded by the "United States Dispensatory" issued by Wood and Bache about twenty-five years later.

The first drug milling establishment was that of Hagners which in 1812 ground drugs and chemicals for the pharmaceutical profession.

The first College of Pharmacy in the new world was established in 1821 as the Philadelphia College of Apothecaries, later changed to the Philadelphia College of Pharmacy, now functioning as the Philadelphia College of Pharmacy and Science.

The first soda water was bottled in Philadelphia by Smith and Hodgson prior to 1825.

The first Pharmaceutical Journal in America was the *American Journal of Pharmacy* which

was begun in 1825 and which just celebrated its First Centenary last year.

The first chair in any College of Pharmacy to be devoted exclusively to the teaching of Pharmacy was established in 1847 and Professor William Procter, Jr., the "father of American Pharmacy," was its first incumbent.

The first glycerin to be commercially made on the manufacturing scale was made by Robert Shoemaker in 1848 in his laboratory at 4th and Race Streets.

The first Pharmaceutical Code of Ethics of any importance was that adopted by the Philadelphia College of Pharmacy in 1848.

The first meeting of the American Pharmaceutical Association was held in Philadelphia in 1852, the greatest and most representative organization of Professional Pharmacy in the world.

The first manufacture of sugar-coated pills on a large scale was begun in Philadelphia by William R. Warner in 1857.

The first attempt to make the palatable pharmaceutical preparations now known as elixirs was made in Philadelphia by A. B. Taylor in 1859.

The first compressed tablets to be successfully manufactured and put upon the market were made by Jacob Duncan in 1869.

The first woman graduate in America was Dr. Clara Marshall in 1876. She later became Dean of the Woman's Medical College of Pennsylvania.

The first antitoxin laboratory was established in the 90's in Philadelphia by H. K. Mulford and Company.

There are many other "Pharmaceutical Firsts;" these are the most important and interesting.

SOME PHILADELPHIA HOTELS AND THEIR RATES.

Members may write to the Hotels or address the Chairman on Hotels, B. C. Goodhart, 11th & Locust Sts., Philadelphia, for rates and reservations. The letter "H" before Bellevue-Stratford signifies that it is the Headquarters Hotel, the numbers before names of other hotels indicates the number of blocks from the Headquarters; the first rate figures indicate rate of single room with bath; the second figures are for double room with bath. Where no rate has been given "inq." signifies "inquire."

- H. Bellevue-Stratford, \$5 to \$8; \$8 to \$14.
2. Adelphia, \$4 to \$5; \$6 to \$10.
1. Walton, inq.; \$10.

6. B. Franklin, inq.; \$7 to \$10.
3. Vendig, \$4 to \$5; \$6 to \$8.
7. Green's, \$3.50 to \$4; \$5.50 to \$6.
20. Pennsylvania, \$3.50 to \$6; \$5 to \$7.
1. Spruce, \$5; \$10.
4. Robert Morris, \$4; \$8.
2. Sylvania, \$4; \$6.

Names and addresses of other hotels are: The Elks, Broad & Vine; Hanover, 12th & Arch; Guy's, 7th & Chestnut; Lafayette, 1339 Arch; Lorraine, Broad & Fairmount; Majestic, Broad & Girard; Rittenhouse, 22nd & Chestnut; Ritz Carlton, Broad & Walnut.

Avoid trouble and inconvenience by making your reservations in advance and have with you an acknowledgment from the hotel or from Mr. Goodhart.

THE ENTERTAINMENTS.

The Local Committee has arranged for a program of entertainment that will give everyone an opportunity to see the historic points of Philadelphia. The program for the ladies is continuous and includes, besides lunches, teas, sight-seeing, cards, shopping tours, etc., trips to historical places, of which Philadelphia has many. See July JOURNAL under Association Business.

PROGRAMS OF THE MEETINGS.

The programs of the meeting will be found under "Association Business" of the July Issue, p. 592; the Departments of the American Association of Colleges of Pharmacy, National Association of Boards of Pharmacy, and this Division of the present and of the July number. It is hoped to have a completed program in the September issue, and an effort will be made to have this reach a large percentage of the membership prior to the convention dates. The official program will be distributed at the meeting. Make your arrangements to come, see the passenger agent as to rates for the Sesqui during the A. Ph. A. meeting, and make your hotel reservations before you come.

HOUSE OF DELEGATES.

Delegates from State Associations and other represented organizations in the House of Delegates are invited to present resolutions, reports and other subjects which their respective organizations wish to have discussed and considered by the House of Delegates. Resolutions should be submitted in writing. Resolutions can be presented at any session which permits consideration by the Committee on Resolutions.

Reports of Committees on Patents and Trade Marks, on Status of Pharmacists in Government Service, on Local Branches, on Memberships, on State and National Legislation, on U. S. P., on Recipe Book; on Horticultural Nomenclature, on Physiological Testing, on Weights and Measures, on William Procter, Jr. Memorial, on International Pharmaceutical Nomenclature, on Standards of Drugs and Chemical Products, on Coöperative Publicity, on Pre-requisite Legislation, on Biological Products, and on Pharmacy Week, are submitted to the House of Delegates.

The Committee on Nominations and that on Resolutions are appointed at the first session; the former reports on the second day, the final report of the latter is made on the last day of the convention.

PARTIAL PROGRAMS OF THE SECTIONS.*

Scientific.

Chemistry.

"The Effect of Benzoic and Cinnamic Acids on the Rate of Development of Rancidity in Lard," Wm. J. Husa and Lydia M. Husa.

"A New Type of Preparations of Vegetable Drugs," Thomas S. Githens.

"The Effect of Time upon Fowler's Solution," D. M. Copley.

"The Glucosides of Caulophyllum Thalictroides," Edward D. Davy and H. P. Chu, M.D.

"The Need of Greater Activity in the Making of Analyses of Medicinal Preparations found on the Open Market and of a Wider Publicity of the Analyses," Frederick J. Wulling.

"Some Applications of Colloidal Chemistry to Pharmacy," C. B. Jordan.

"The Colorimetric Assay of Digitalis," L. W. Rowe.

"The Colorimetric Assay of Strophanthus," L. W. Rowe.

"National Research Laboratories for the A. Ph. A.," Edward Swallow.

"The Volatile Oils from the Cultivated and Wild Varieties of Mentha Citra," E. V. Kyser and H. R. Totten.

"Hydrogenated Coconut Oil and Coconut Oil Butter as a Substitute for Lard in Iodine Ointment," E. V. Kyser and J. A. Bullock.

"The Effect of Gelatin on Titration Curves of Various Acids," Ernest Little.

*For report on Program see also July JOURNAL, p. 601.

"The Analysis of Camphorated Oil," Charles F. Poe.

"Caulophyllum Thalictroides," Edward F. Davy and H. P. Chu.

"Assay of Atropine Sulphate Tablets and Granulation," W. P. Edwards and R. E. Schoetzow.

"Effect of Acidity on the Activity of Pepsin in the Solid State," W. E. Honsinger, A. L. Dinger and R. E. Schoetzow.

"U. S. P. X Nitrate Test on Solution Ferric Chloride," M. W. Cary and R. E. Schoetzow.

Botany and Pharmacognosy

"The Living Belladonna Plant," F. B. Kilmer.

"Variation in the Constituents of Grindelia Grown in Various Sections of the U. S.," C. J. Zufall.

Pharmacology and Biological Assays.

"Additional Studies on Miré," Thomas S. Githens.

"The Influence of Digitalis on the Resistance of Guinea Pigs to Poisoning with Diphtheria Toxin," Charles C. Haskell.

"Further Studies of the Anæsthetic Properties of Propylepe," Lloyd K. Riggs.

"Permanganate as a Cure for Impetigo," Edward H. Carus.

"Respiration Test as a Possible Substitute for the Usual Basal Rate Determinations," Albert Schneider.

"Dermographia: Dermographic Tests and Observation," Albert Schneider.

"Some Observations of Digitalis Action," Albert Schneider.

"The Earthworm Method for Testing Santonin and Related Anthelmintics," Albert Schneider.

"A Phyto-Pharmacological Method of Assaying Digitalis." Illustrated by Lantern. David I. Macht and John C. Krantz, Jr.

"Influence of Various Radiations of the Potency of Digitalis," David I. Macht and John C. Krantz, Jr.

"Nutritional Value and Standardization of Cod Liver Oil and its Non-Saponifiable Fat Soluble Vitamine Concentrate," H. E. Dubin.

Bacteriology and Biology.

"The Simplification of Rabies Vaccine," J. C. Peacock.

Practical Pharmacy and Dispensing.

PARTIAL PROGRAM.

"Location of Prescription Department," Chas. H. Stocking, Ann Arbor, Michigan.

"A Prescription Clinic," Adley B. Nichols.

"A Study of the Stability of Physostigmine Solutions," John C. Krantz, Jr., and Frank Slama, Baltimore, Md.

Education and Legislation.

(Changes and Additions; see program p. 603, July JOURNAL.)

"In 1825," Otto Raubenheimer.

"Shall the Mass Production of Pharmacists be Continued," Robert P. Fischelis.

"Higher Standards Justified," Frederick J. Wulling.

Prof. A. R. Bliss states that time will not permit completion of paper on, "Pharmacy Taught the Medical Student," and he asks that this subject be deleted.

As far as possible, the complete program will appear in next issue of the JOURNAL.

Commercial Interests.

"A Procedure in Prescription Pricing," Leonard A. Seltzer.

"Is the Pendulum Ready to Swing Back?" Robert P. Fischelis.

"The Application of Salesmanship to Proprietary Remedies," J. G. Beard.

"Calculating the Retail Price of Drugs, Chemicals and Pharmaceuticals," John Culley.

"The Cost of Free Goods," W. Bruce Philip.

"Professionalizing Commercialism," Robert J. Ruth.

"Our Problems," Samuel S. Dworkin.

"A Merchandisable Acidophilus Culture," Josiah C. Peacock.

"What Does It Profit You?" P. Henry Utech.

"Exercising Our Prerogatives," Samuel L. Hilton.

"What Druggists Ask of an Editor," Walter M. Chase.

"A Research in Advertising," Samuel Wanamaker.

"The Value of the Recipe Book to the Retail Pharmacist," J. Leon Lascoff.

NOTES.

State Association items will be continued in September JOURNAL. Also the program of the A. Ph. A. Sections. For Association meetings of this month see p. xvi.

The Pharmacy Exhibit at the Sesqui-Centennial International Exposition occupies 600 square feet in the Medical Science Section of the Palace of Education and Social Economy. —See it Saturday, September 18.