

# ASSOCIATION BUSINESS

THE COUNCIL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION, 1931-1932.

Office of the Secretary, 10 West Chase Street, Baltimore, Md.

Letter No. 15.

*To the Members of the Council:*

The Second Meeting of the Council for 1931-1932 was held in the Royal York Hotel, Toronto, Canada, on Monday forenoon, August 22, 1932, with the following members present: Hilton, Beal, Army, Bradley, Day, Hunsberger, Adams, Eberle, DuMez and Kelly.

105. *American Council on Pharmaceutical Education.* The secretary reported that Motion No. 34 (see Council Letter No. 12, pages 603 to 604, No. 13, page 721 and No. 14, page 830) has been carried.

106. *Use of Text of N. F. V.* The secretary reported that Motion No. 39 (see Council Letter No. 14, page 830) has been carried, and that Sister Alma has been so advised.

107. *Window Strips for Pharmacy Week.* The secretary reported that Motion No. 40 (see Council Letter No. 14, page 830) has been carried and that Drs. Newcomb and Hogstad have been advised.

108. *Election of Members.* The secretary reported that Motion No. 41 (see Council Letter No. 14, page 830) has been carried and that applicants for membership numbered 316 to 327, inclusive, are declared elected.

109. *Annual Joint Meeting of the Executive Committee of the N. A. R. D. and of Council of the A. Ph. A.* An invitation from Secretary Henry of the N. A. R. D. for such a joint meeting on Monday, September 26, 1932, in connection with the annual convention of the N. A. R. D. in Boston, Mass., was read. On motion of Beal, seconded by Army and carried, the secretary was directed to acknowledge the invitation with the thanks of the Council and to advise the members of the Council who will attend the joint meeting.

110. *Illness of Prof. J. G. Beard.* The secretary reported that Prof. Beard had suffered from some eye trouble since reaching Toronto and that Prof. Beard requested to be excused from the meetings of the Council. On motion of Beal, seconded by Hunsberger and carried, Prof. Beard was excused and the chairman and secretary were requested to express the sympathy and regrets of the Council to Prof. Beard.

111. *Committee on Finance.* Chairman Bradley submitted a verbal report that the important work of the Committee had been given prompt and careful attention. The report was approved, on motion of Eberle, seconded by Day and carried.

112. *Committee on Property and Funds.* Chairman Adams submitted the following report:

"In accordance with Article VI of Chapter IV of the By-Laws of the Council, the Committee on Property and Funds submits its report.

"The Committee recommends to the Council the following banks and safe deposit vaults:

#### DEPOSITORIES FOR FUNDS.

"The Baltimore Trust Company, Baltimore, Md.

"The Maryland Trust Company, Baltimore, Md.

"The Merchants and Newark Trust Company, Newark, N. J.

"The Boston Penny Savings Bank, Boston, Mass.

#### DEPOSITORIES FOR SECURITIES AND RECORDS.

"The Baltimore Trust Company, Baltimore, Md.—Safe Deposit Boxes.

"The Maryland Trust Company, Baltimore, Md.—Safe Deposit Boxes.

"The Committee is pleased to report that interest has been paid on all securities owned by the ASSOCIATION. No securities have matured during the year. The U. S. Treasury bonds, 3%, due 1951-1955, depreciated in value following their purchase but have recently increased and are expected to be worth par value by the time they are required for payments on the construction

of the Headquarters Building. The treasurer is keeping a strict account of all investments for the Headquarters Building and Property. The amount to August 1, 1932, was \$230,907.37.

"It will be recalled that the late Franklin M. Apple of Philadelphia, Pa., made the AMERICAN PHARMACEUTICAL ASSOCIATION a beneficiary under his will. In April of this year, the ASSOCIATION was advised by the Integrity Trust Company of Philadelphia, successor to the Columbia Avenue Trust Company, that in accordance with Mr. Apple's will the residuary personal estate was awarded by adjudication to the Company to be held in trust to pay the net income to the Testator's Father and Mother, and the survivor of them for the term of their lives and after their deaths the principal was to be paid to the ASSOCIATION. It was further advised that the Trust Fund for Ella P. Apple was terminated by reason of her death on March 9, 1932, her husband having pre-deceased her and that in accordance with the terms of Mr. Apple's will, the fund is awarded to the ASSOCIATION.

"Later and through the firm of Graham and Gilfillan, Philadelphia, the Integrity Trust Company paid \$1600.02 on account of principal and \$7.03 on account of residuary income, in accordance with the orders of the Orphan's Court of Philadelphia County on Monday, May 2, 1932, to which court the audit was submitted.

"The treasurer has deposited this amount and holds the fund subject to the disposition of the Council."

The report was received on motion of Beal, seconded by Arny and carried, and the chairman was directed to appoint a committee of three members of the Council, of which committee he was to be a member, to consider the most appropriate means of recognizing the generosity of Mr. Apple and his splendid support of the ASSOCIATION, and the final disposition of the fund. The chairman appointed as the other two members of the Committee, Secretary Kelly and Treasurer Holton.

113. *Committee on Recipe Book.* Chairman Lascoff read the following report:

"Your chairman begs to submit the following report on the Recipe Book for the year 1931-1932.

"During the past year, circulars were distributed and 747 books were sold.

"I submit herewith a summary of sales of the book up to June 1932.

Year ending Dec. 1929.....	1898 were sold
Year ending Dec. 1930.....	691 were sold
Year ending June 1931.....	877 were sold
Year ending June 1932.....	747 were sold

"Stock on hand as of June 1, 1932, was 698.

"The Committee is very desirous to revise the A. PH. A. Recipe Book and to have the second edition in print. However, this cannot be done until the N. F. is completed, which will be about 1936.

"A number of formulas will be deleted, a large number will be added and index will also be revised.

"Your chairman has written to members of the committee and has received their comments. Care must be taken in revising this work and corrections made in order to avoid later criticism. In this connection, I must say that very little or hardly any material criticism on this work has been found, considering the fact that 1561 formulas appeared in the book.

"At the Miami meeting the By-Laws were amended by an addition to Chapter VIII which places the Committee on Recipe Book on the same basis as the Committee on National Formulary. The council elected the present members to constitute the committee for the current year with the present chairman as chairman. The thought was expressed that a second series of the Recipe Book might be issued with such corrections in the plates as might be necessary and defer the preparation of a new edition until the National Formulary is nearer completion. The importance of the Recipe Book as supplemental to the U. S. P. and N. F. is being more generally recognized.

"As is the case with any book published, I have received various criticisms from Pharmacists and also from committee men. Almost all of these criticisms were constructive.

"There were no objections to those formulas already included, but only suggestions as to new formulas or calling our attention to typographical errors.

"One Pharmacist writes in to point out an error on page 205 of the Recipe Book in the formula for Compound Benzoin Inhalant. We note that in the formula the figures read 100 cc. and in the directions they read 1000 cc.

"Another Pharmacist asked whether there is any book on the market which describes the uses and actions of all the formulas in the Recipe Book. Your chairman replied that there is no pamphlet available which describes anything concerning therapeutic action of the Recipe Book formulas. It is contrary to the principles of the AMERICAN PHARMACEUTICAL ASSOCIATION to recommend or suggest any information of this nature. The Recipe Book is intended as an aid to physicians in their prescription work and to the pharmacist as a convenient reference in filling physicians' orders. Any information as to therapeutics would invite counter prescribing, which is decidedly contrary to the ethics of this ASSOCIATION.

"Another Pharmacist writes that the book is good and is very satisfactory. However, it is not just what he has been looking for. He suggests that were some publishing firm to get out a book of formulas of test solutions and stains indexed according to the authors' names it would surely be a boon to the practicing pharmacist. The answer to him, in part, was this: 'No doubt you have noted the section of the Recipe Book given to laboratory reagents, test solutions, and stains. There are about 70 such formulas, selected for the frequency with which they are used. To have included every known formula would have meant the exclusion of many popular formulas in other sections of the book. However, I can definitely assure you that, in the revision of this first edition, careful consideration is going to be given to extending this section of the Recipe Book so that one may be assured of finding practically every commonly used stain, solution, etc.'

"One Pharmacist in Oklahoma returned the book for the following reason: It does not give dosage and directions how to use the different preparations. The answer was the same as to the pharmacist previously mentioned. The reason given also included the fact that these formulas were available for preparations commonly called for and prescribed to-day, which are not otherwise handy for reference.

"A comment from a pharmacist, a Mr. Harry Fries, concerning Alopecia Lotion No. 1 and also Phenol Gargle follows: The former results in a green sedimentation on top of the liquid which makes it non-dispensable, and the latter having the directions of diluting it with an equal volume of water make it entirely too strong and viscid for popular use. I wish that you would comment on these to me with a reply.

"My reply was as follows:

"In reference to your comment on the Phenol Gargle of the Recipe Book—this formula is used by a very prominent throat specialist, and is being extensively prescribed to-day. I shall be glad to take up, during the revision of the present edition, the advisability of making a greater dilution than equal parts of water and the gargle.

"With regard to the Alopecia Lotion No. 1, this is one of the group of formulas being used in leading hospitals. This, of course, is adequate recommendation for it. I have made up a sample of this lotion and let it stand for a day. There was no noticeable change. This sample is being mailed to you under separate cover. Of course, in actual dispensing, this product should be put in a dark bottle. I have used a colorless bottle for convenience in inspection. Resorcin is prone to become discolored.'

"A Pharmacist writes that he cannot find a formula for a 'hog worm oil' preparation in the Book. As your chairman has stated before, not all formulas can be included in the first edition. However, a formula was sent to him covering his question. In my opinion such formulas should not be included in the Book.

"Dr. Kelly wrote to the Bureau of Medicine & Surgery of the Navy Department in Washington advising them of our Recipe Book. He advised the bureau that reference is made to the Recipe Book in the Standards Year Book issued by the U. S. Department of Commerce. The following in reference to the Recipe Book:

"AMERICAN PHARMACEUTICAL ASSOCIATION Pharmaceutical Recipe Book, First Edition. Provides formulas for pharmaceutical preparations that are not recognized in the U. S. Pharmacopœia or the National Formulary. It is not recognized as standard in the enforcement of the Federal food and drugs act.'

"Now we come to the suggestions of the various members of the committee.

"Dr. Kilmer agrees with your chairman that there should be a Table of Solubilities and a

Dose Table, together with a Table of Antidotes for Poisons. When the Book was issued, he writes, he called our attention to some discrepancies in the titles. He also called attention to and succeeded in correcting, certain titles which are under the ban by the Food and Drug Department. Dr. Kilmer very graciously forwarded to your chairman a list which contained the objectionable and questionable titles.

"Dr. Gathercoal writes to suggest that it is his opinion that the Committee on Recipe Book should follow the policy adopted by the Revision Committee on National Formulary and not deliberately include formulas for preparations that are official in the U. S. P. The Committee on Recipe Book should adopt the same policy in regard to the N. F. There will be a considerable number of deletions from the N. F. that would be suitable for inclusion in the Recipe Book. It is a question, however, whether such formulas should be included in the Recipe Book while they are still official in the N. F. He also enclosed a list of the tentative deletions from N. F. V that we may have them in mind for future inclusion in the Recipe Book. He thinks that it would be well not to include these in the Recipe Book until the New N. F. is actually out and official.

"Dr. Fantus writes that the pharmacists are not as well informed as they should be on such matters as ant eradication or 'how to free rose bushes of aphids.' He suggests that The National Government Department of Agriculture could be very helpful in the elaboration of such a chapter. He further goes on to say that somewhere in the introduction of the book a declaration should be made to the effect that: 'When the title includes the names of diseases, this does not constitute a recommendation for the use of such an agent in such a condition; but it merely represents the name by which the article is popularly known.'

"Dr. Scoville sends in some very constructive criticism.

"I would like to see a thorough consideration of the scope of the book before another edition is accomplished. I have felt that it should contain tables and other information that would be of use to the dispensing pharmacist.

"For instance, I would like to have considered a table of Synonyms—as complete as it can be made, particularly of pharmaceutical preparations. A concise presentation of the facts that the pharmacist must know about the Narcotic Law and the Liquor rulings. A table of percentage solutions, poison laws and rulings, poisons and antidotes, first-aid treatments and equipment, alcohol regulations, labelling regulations, etc., as well as your Solubilities and Doses, both of which are now in the N. F. We ought to avoid any conflict of contents in these two books. A general consideration of scope and contents by the Committee would be advisable before the revision is seriously begun.

"All this is suggestion. When we consider that our Recipe Book contains about 1500 formulas and nothing more, and that Vol. 1 (with another volume to come) of Pharmaceutical Formulas of England contains (calculated) between 17,000 and 18,000 titles besides information on the lines that I have suggested, it implies that we have some way to go to keep up.'

"Dr. Scoville's letter is very opportune to the occasion and we will allow the committee to go over it and apply his suggestions where available.

"Dr. Hilton suggests that the formula for Unguentum Calendula, submitted, directions should accompany same—directing that the Fluidextract should be evaporated on a water-bath to a thick extract to remove the alcohol and the greater part of the water—this method makes a much better ointment. Dr. Hilton also suggests that after the contents of the book have been determined a Committee should consult with the Food and Drug Administration and obtain their views, the same as is now being done by the Pharmacopœia and National Formulary committees.

"Dr. Charles H. Stocking writes concerning the two formulas for Harrington's Solution. The formula on page 273 calls for fifteen times as much corrosive mercuric chloride as is found in the formula on page 130. He realizes that these formulas are to be used for different purposes and that they are listed in different divisions of the Recipe Book. However, it occurs to him that there should be a change in caption for one or both of these formulas in order to avoid the possibility of confusion arising in dispensing the same. If one were labeled 'dilute' and the other 'concentrated' I have a feeling that the ambiguity would be obviated.

"Dr. Langenhan writes some very constructive criticism. Allow me to quote, in part, from his letter:

"This question has been on my mind ever since the first page proofs of the Recipe Book

appeared, and that is: Cannot the arrangement of the book be improved so that it may be easier to find items? At present I find it necessary to use the general index almost entirely. I refer mainly to the two sections known as Pharmaceutical Formulas and Hospital Formulas. Both contain ointments, pills, emulsions, et cetera. What is the difference between the two groups? I understand, of course, how the division originated, but is it necessary, especially since it brings about confusion? For example, both sections 1 and 2 contain formulas for creosote carbonate emulsions—Liquid Petrolatum emulsions, etc. Section 1 contains 40 elixirs, and section 2 contains 5 elixirs. I fail to see the value of the division but can see decided advantages in having all elixirs together, all emulsions together, etc., both from the viewpoint of a textbook in schools of pharmacy and as a reference book in drug stores when, for example, the pharmacist wishes to dispense creosote carbonate in form of an emulsion. It is true one can use the general index, but in this present age of haste and convenience, the average person prefers opening the book in one place and finding information grouped rather than spread throughout the volume.'

"A number of pharmacists who have purchased this book were highly satisfied and claimed that it is superior to any formula book on the market to-day. It is more dignified and contains more useful formulas for the pharmacist. Others suggest that certain formulas are missing. Dr. Kelly writes that he has received several requests for formulas for solutions for show globes. One inquirer mentions that formulas for this were not mentioned in the Recipe Book. I am submitting 23 formulas which were collected by Editor Eberle from various sources.

"After my report was completed, I received a letter from Dr. Clayton, dated August 2nd. He writes, 'The following notations are not in the nature of typographical errors, but rather, suggestions, the following of which, I believe will make a second edition of the Recipe Book a little better than the first. My suggestions are not intended to be hypercritical and I realize that the present edition is far better than anything I could have produced, but nevertheless, you may find something worth while in what follows.

"My first suggestion is that an alphabetical arrangement under Latin titles would be preferable to the present arrangement, and other suggestions follow in order as they are brought to my mind in the following pages. I am only desirous that the Pharmaceutical Recipe Book shall be so accurate that no one will have any excuse for error in the use of formulas contained in it.

"Also, since we are urging pharmacists everywhere to become better posted on the professional aspects of their calling, I feel that something can be accomplished along this line by inclusion in the Recipe Book of information relative to the uses of the various laboratory and diagnostic reagents in addition to their formulas, for many physicians to whom such reagents might be sold, will be none too well posted with relation to their uses, and very naturally, will turn to the pharmacists from whom they are obtained for information.'

"He sent in a large list of suggestions which will be mimeographed and sent to the members of the committee.

"In conclusion, I am taking this opportunity to thank the members of the committee for their different suggestions and criticisms.

"I wish to thank Dr. Kelly for his work in connection with the distribution and sale of the Pamphlets and Books. I also thank Editor Eberle for his 23 formulas for show globes which he collected from various sources.

"I wish to say that the next Edition will be carefully revised, and all suggestions given by the members will be taken into full consideration.

"I also thank once more all of the members of the A. PH. A. who have shown their interest and coöperation in our work in behalf of the Recipe Book."

The report was received with the thanks of the Council to Chairman Lascoff for his excellent report, on motion of Day, seconded by Beal and carried. Members of the Council made certain suggestions with reference to the Recipe Book which the chairman accepted with thanks.

114. *Committee on Publications.* Chairman DuMez read the following report:

"Your Committee on Publications respectfully submits the following report on its activities during the past year, and on the status of the ASSOCIATION'S publications.

"*Journal:* The total expenditures for the publication of the JOURNAL for 1931, including the Editor's salary, were \$20,364.23 (\$15,364.23 + \$5000.00). The total expenditures for 1930 were \$20,499.50 (\$15,499.50 + \$5000.00) which represents a decrease of \$135.27. The receipts of the JOURNAL for advertising, subscriptions, sale of single copies, reprints, etc., for 1931 were

\$9469.01. The subscription credit received for non-headquarters building members amounted to \$6012.66, making a total of \$15,481.67. The total receipts for 1930 were \$15,679.52. The receipts have, therefore, decreased by \$197.85.

"The total expenditures of \$20,364.23 less the receipts of \$15,481.67 show the cost of the JOURNAL for the year to be \$4882.56. The net cost for 1930 was \$4819.87. The cost of the JOURNAL has, therefore, increased by \$62.69. This increase is to be attributed largely to a falling off in the advertising contracted for, since the subscription credit was \$256.06 greater than for the preceding year. This statement is made solely for explanatory purposes and is not intended as a criticism of the management of the JOURNAL. There was bound to be some decrease in the advertising obtained in view of the drastic curtailment of expenditures made in all lines of business during the past two years.

"The JOURNAL was again printed and distributed by the Mack Printing Company of Easton, Pa.

"Further details relative to the management and publication of the JOURNAL will be presented by Editor Eberle.

"*Year Book*: Volume 18 of the YEAR BOOK covering the calendar year 1929 was distributed in the early part of January 1932. Three thousand copies were ordered and approximately 2500 of these have been distributed.

"The manuscript for volume 19 is completed and it is recommended that the contract for printing, binding and distributing the same be awarded to the Lord Baltimore Press of Baltimore, Maryland, on the basis of their estimate of August 15, 1932.

"As in the preceding several years, certain journals were again abstracted for the Committee of Revision of the United States Pharmacopœia, to cover the cost of which the Board of Trustees of the Pharmacopœial Convention contributed the sum of \$1000.00.

"*Index of Proceedings and Year Books, 1903-1925*: 1047 copies of the Index were printed and bound. Up to July 1, 1932, 359 copies had been sold or otherwise disposed of, leaving a stock on hand of 688 copies.

"*National Formulary, V*: Up to June 1, 1932, a total of 45,627 copies were printed and bound in buckram and 500 copies were bound in leather. Of the copies bound in buckram, 44,953 had been sold and 80 copies had been distributed gratis. Of the copies bound in leather 135 copies have been sold and 12 copies have been distributed gratis. There were sold since June 1, 1931, 4257 copies bound in buckram and 1 copy bound in leather, leaving a stock on hand of 594 copies bound in buckram and 353 copies bound in leather.

"Permission to use portions of the text of the National Formulary V, for reproduction in books and pamphlets was granted to the following during the year: C. W. Ballard for a laboratory manual in botany and pharmacognosy; Thomas L. Stedman for a medical dictionary for nurses; J. R. Blayney for a textbook on dental pharmacology and therapeutics; J. W. Millar for a book on pharmaceutical assaying; The N. A. R. D. for a pamphlet on important U. S. P. and N. F. preparations; and Sister Alma of St. Thomas Hospital of Akron, Ohio, for a textbook on *materia medica* for nurses.

"*Pharmaceutical Recipe Book*: Up to June 1, 1932, 5000 copies of the Recipe Book were printed and bound. Of this number, 4213 copies have been sold and 89 complimentary copies have been distributed, leaving a stock on hand of 698 copies. The stock on hand at the same time last year was 1445 copies which means that 747 copies were sold during the year.

"In conclusion your Committee desires to again express its appreciation to the members of the ASSOCIATION who have coöperated in promoting the interests of its publications and to extend thanks on behalf of the ASSOCIATION to the various pharmaceutical journals published in this country for their coöperation in giving publicity to the activities of the ASSOCIATION and its publications."

On motion of Beal, seconded by Day and carried, the report was received with the commendation of the Council for the diligent and effective work done by the Committee.

115. *Contract for Printing, Binding and Distributing the Year Book, Volume 19, for 1930*. The recommendation of the Committee on Publications that the contract be awarded to the Lord Baltimore Press, Baltimore, Md., on the basis of their bid of August 15, 1932, was approved on motion of Army, seconded by Bradley and carried.

116. *Editor of the Year Book*. Editor DuMez read the following report:

"Volume 18 of the YEAR BOOK covering the calendar year 1929 was completed in December 1931, and was distributed in the early part of January 1932.

"The manuscript for volume 19 covering the year 1930 has been completed and is ready to go to the printer just as soon as the contract is awarded. If printers may be expected to keep promises, there is no reason why the volume should not be ready for distribution by the first of the year.

"All of the assignments for volume 20 covering the year 1931 have been sent to the collaborators and a considerable amount of abstracting has already been completed. It is hoped that the manuscript will be ready for the printer before the end of the year, but I am not making a definite promise that this will be done as it seems that something always intervenes to hold us back."

The report was received with the thanks of the Council to Dr. DuMez, on motion of Day, seconded by Beal and carried.

117. *Committee on Standard Program.* Chairman Hilton submitted a verbal report outlining the work of the committee for the year. He complimented Dr. Bradley for his special assistance in visiting Toronto in February and making arrangements for the 1932 meeting, and recommended that Dr. Bradley be reimbursed for his expenses in this connection. On motion of Army, seconded by Beal and carried, the report was received and the recommendation approved.

118. *Committee on National Formulary.* Chairman Gathercoal read the following report: "In the report submitted to the Council one year ago, mention was made of five general lines of work being pursued by the N. F. Committee.

"We would report progress along each of these lines during the past year, as follows:

(1) RESEARCH INVESTIGATIONS.

"The study of the scientific principles of extraction as proposed by Dr. Scoville has been difficult to establish, though plans for this research have been under discussion in the A. PH. A. Committee on Research throughout the year. The plan as now proposed is to offer \$1000 from the Research Fund as an award to a graduate student for one year's work on a critical study of the drug itself in relation to extraction. This study is to be based on the physical, chemical and botanical characteristics of drugs, with special reference to permeation of cell walls by selected menstrua; on the swelling of cell contents during maceration with selected menstrua; and on the time required for selected menstrua to dissolve and remove the active principle from the cell. It is hoped that this work will begin this fall.

"The work on ampuls under the guidance of Dr. Fantus has progressed in a splendid manner. Out of the work a complete revision of the Chapter on Sterilization has been prepared and offered to the General Committee for discussion. Likewise a much improved Chapter on Ampuls has been presented to the General Committee and an improved type of individual monograph for ampuls has been devised and presented. Many of the individual monographs on ampuls are well under way. About 25 ampul preparations are proposed for inclusion in N. F. VI.

"Work still continues under the direction of Dr. Langenhan on the U. S. P. and N. F. Liquors. A number of important conclusions have been submitted to the general committees and many of the individual monographs have been submitted.

"Investigative work on the chemical monographs under the guidance of Dr. Jenkins still continues and many of the chemical monographs bearing the stamp of this work have been submitted.

"The last three pieces of work have cost about \$1000. This money has come in part from the A. PH. A. Research Fund, and in part is charged to the general expense of revision."

(2) THE GENERAL PRINCIPLES OF REVISION.

"The general principles for the guidance of the N. F. Revision Committee have been completed with the exception of a careful editing for English construction.

"It is planned to present these general principles to the Council for approval before they become a part of N. F. VI."

(3) THE SURVEYS ON THE EXTENT OF USE OF MEDICINES.

"These surveys are completed or nearing completion.

"The two surveys made in hospital pharmacies, prescription drug stores and general drug stores of the United States on the 'Extent of Use' of N. F. preparations and of preparations pro-

posed for inclusion in the N. F. are both being extensively used in determining admission to the N. F. The first of these surveys has been published in the JOURNAL OF THE A. PH. A.

"Likewise the 'Prescription Count' or survey to determine the number of physicians' prescriptions filled annually in the drug stores of the United States has been of very great interest. While figures from different localities may vary somewhat, the average of the United States is close to 2 prescriptions per year for each inhabitant and therefore approximates 250,000,000 prescriptions annually. This does not include medicines dispensed in hospitals and clinics nor in physicians' offices.

"The U. S. P.-N. F. Prescription Ingredient Survey is nearly completed and will be published the latter part of this year. This is a monumental piece of work. It includes the reading of nearly 122,000 prescriptions, viz.: 40,000 in New York State, 24,000 in California, 22,761 prescriptions in Maryland and 35,000 (approximate) in Missouri. When one realizes that it requires about 10 hours of difficult tiring work, by one possessing a high degree of prescription experience, to read and list the items in 1000 prescriptions, one begins to realize the magnitude of this task.

"In New York State, Dr. J. Leon Lascoff, Professor Leon Monell and Mr. Harry Harris actually did the work or supervised it. In California, Miss Eda V. Laird, under the supervision of Mr. John Culley, read all of these prescriptions. In Missouri, trained prescription men under the direction of Mr. Frank A. Delgado read all of the prescriptions. In Maryland only, was the work entirely voluntary. Here, however, Mr. Chas. E. McCormick read all of the 8000 prescriptions in the retail stores of Hynson, Westcott and Dunning and other splendid men gave of their time and talent in Baltimore stores and throughout the State.

"The reading of the prescriptions and listing of the ingredients is only the foundation for the final reports. Much time and tedious work is required to transfer the items in the lists to the 4000 alphabetically arranged cards on which the correct name of the item, its synonyms and its standing as to U. S. P., N. F., N. N. R., manufacturer, etc., is placed. Very splendid pharmaceutical training is necessary for this work, to avoid duplications and other difficulties due to the use of abbreviations and to inaccuracy and confusion in the naming of the ingredients in the prescriptions.

"Finally the actual copy for the report must be made up. So many questions have arisen regarding the nature of this report that the matter has been put up to a committee of five. A number of different reports have been suggested and all of these seem very desirable. Probably twenty-five interesting reports could be drawn from this data, if time and energy were available. The four State reports are being published separately; that of New York State in the A. PH. A. JOURNAL, of Maryland in the *Maryland Pharmacists*, of California in the *Pacific Drug Review*, and of Missouri in a Middle West drug journal. A special report on Fluidextracts has been published and similar reports on Glandular products, on Tinctures and on Elixirs are about ready.

"We hope to prepare one report in strictly alphabetical form for the use of the two Revision Committees, pharmaceutical teachers, laboratory directors, etc. Another report arranged from a therapeutic standpoint and much shortened by the elimination of the less popular items is designed for publication in a leading medical journal. A third report in which the items are arranged according to their extent of use is designed for retail pharmacists as a guide to prescription stocks, etc. A fourth report in which attention is given to official items as compared with unofficial and proprietary items would also be of distinct interest to all of the medical professions.

"As to the cost of this Survey, about \$450 of the \$500 appropriation made by the Board of Trustees of the U. S. P. has been spent. It has been almost impossible to separate the expense of the Survey as borne by the N. F. from the general revision expense, but probably the full \$500 of the N. F. appropriation has been spent. The value of this data, however, is much greater to the N. F. Revision Committee than to the U. S. P. Committee. The work has all been done in the office of the Chairman of the N. F. Committee and under his direct supervision. Thus it is but fair that the N. F. should bear the major share of the expense."

#### (4) THE ADMISSIONS INTO N. F. VI.

"Of the 778 individual monographs and general chapters in Parts I and II of N. F. V, 486 have been admitted to N. F. VI. The matter of admissions, however, is not closed and there may be a further careful consideration of N. F. V items.



"The list of deletions from U. S. P. X has not as yet been published. The items in this list will be carefully considered for admission to N. F. VI.

"Some consideration has already been given to new items proposed for admission to N. F. VI. Two forms of dosage preparations, namely, ampuls and tablets, have been under consideration by both the U. S. P. and N. F. Committees. Recent word from Chairman Cook indicates that the U. S. P. Sub-committee on Scope has not admitted either of these classes of preparations, but has recommended them to the N. F. Committee. Upon the recommendation of Dr. Fantus and his Sub-committee, 24 ampul solutions were presented to the N. F. Committee and 21 were approved for admission.

"A number of other new items have also been recommended by various Sub-committees and approved by the General Committee. It is very likely that the 290 items not accepted from N. F. V will be nearly if not quite made up by new items that are more modern and more popular."

#### (5) THE WORK ON INDIVIDUAL MONOGRAPHS.

"Much progress has been made in this work. The monographs are first critically considered and revised by members of the Sub-committees, then published in the Sub-committee letters for criticism, then revised and recommended to the General Committee and published in the N. F. Bulletin where they are subject to criticism not only from all members of the Committee, but from many interested and competent persons outside of the Committee, who receive the Bulletin.

"The following tabulation shows the progress of this work by the Sub-committees:

Sub-committee.	Subject.	Chairman.	N. F. VI Items.	Monographs Completed.
No. 1	Pharmacognosy	Dr. Newcomb	84	0
No. 2	Chemicals	Dr. Jenkins	50	45
No. 3	Solution Preparations	Dr. Langenhan	107	76
No. 4	Extractive Preparations	Dr. Scoville	118	0
No. 5	Solid Preparations for Internal Use	Mr. Becker	41	17
No. 6	Solid Preparations for External Use	Prof. Saalbach	44	22
No. 7	Miscellaneous	Prof. Nichols	42	22
No. 8	Biologicals	Dr. Fantus	0	0

"Dr. Newcomb, Sub-committee No. 1, has been giving his attention to the vegetable drugs of the U. S. P., and when these are out of the way, plans to take up the N. F. drugs. He will have relatively few new drugs to be admitted, though several from U. S. P. X.

"Dr. Jenkins has done a remarkably fine piece of work. He still has, however, a great deal of work on descriptions, tests and assays of galenicals. There will be, probably, quite a number of new chemicals admitted to the N. F. as well as several from U. S. P. X.

"Dr. Langenhan has done very fine work though he has a number of serious problems under consideration. His Sub-committee already has begun the study of new items.

"Dr. Scoville reports that practically all of the changes proposed in the monographs of the extractive preparations have been discussed and passed upon by his Sub-committee, and when his monographs are submitted practically the whole group will come in at once.

"Mr. Becker has made splendid progress on the pills and pharmaceutical salts. We plan to place the consideration of tablets in charge of some one who has had experience with the manufacture and assay of tablets.

"Prof. Saalbach is making excellent progress with his Sub-committee work.

"Prof. Nichols has not only completed 22 of the 42 items assigned to his Sub-committee, but Dr. Fantus, in charge of Ampuls has the monographs well along for the present N. F. ampuls and a considerable number of new ampul preparations as well. The ampuls also belong to Prof. Nichols' Sub-committee.

"Dr. Fantus found no monographs on items that could be classed as biologicals in N. F. V. However, he and his Sub-committee have accomplished an extensive study of the ampuls. He took an active part in a conference recently held in Chicago to consider glandular products in relation to the U. S. P. and N. F. and expects to lay before his Sub-committee a number of suggestions regarding the admission of these products into the N. F. He has laid before his Sub-committee the extensive section on biological stains and diagnostical reagents as found in Part III of N. F. V.

He is also giving serious study to some of the Vitamin materials and to bacteriological sera and related products."

N. F. COMMITTEE MEETING IN 1933.

"It would seem very desirable, in fact essential, for the N. F. Committee to hold a conference in 1933. By the middle of next year we must reach final decision upon the admissions into N. F. VI. By that time work on the N. F. V monographs and the U. S. P. X monographs that are admitted to N. F. VI will be practically completed and can be passed upon in conference. Plans for consideration of the new items admitted must be carefully drawn and passed upon. All monograph work should be completed before July 1st of 1934."

EXPENSES OF THE CHAIRMAN'S OFFICE.

"The year 1933 will probably be the busiest year in the Chairman's Office as regards this revision. There is no question but that we can continue to use office space without expense, but there is much doubt as to whether we can count upon the University of Illinois to furnish stenographic help for the N. F. Revision Committee during the coming year as in the past year. It will be necessary to meet part time expense for a stenographer. Another item of rather serious import is the increase in cost of postage.

"However, every effort will be made to keep down the expense to a minimum. No new surveys nor the collection of statistical data will be undertaken."

After discussion, Bradley moved that the report be received with the appreciation of the Council for the splendid work done by the Committee. The motion was seconded by Beal and carried.

119. *Committee on Research.* The following report was read by Chairman Army:

"Your Committee transacted business through the year by means of nine bulletins covering 46 mimeographed pages. This volume of correspondence became necessary because of the animated discussion relative to the proposed comprehensive research on extraction.

"It turned out that while the discussion was important and edifying, none of the several mail ballots were decisive: hence, decision was postponed until our Toronto meeting. This meeting of the Research Committee was held at Royal York Hotel on Saturday evening, August 20th, at which nine of our fifteen members were present and voting. Our unanimous findings as to the proposed research on extraction follow:

"1. We recommend to the Council and to the ASSOCIATION, that the proposed research on extraction be inaugurated with a 1932-1933 grant of \$1000 from the AMERICAN PHARMACEUTICAL ASSOCIATION Research Fund.

"2. That this grant is intended to finance one year of the research and that it will be subject to renewal in future years at the discretion of the Research Committee, with approval of the Council.

"3. That the scope of the research on extraction will be substantially that outlined by W. L. Scoville in a paper published in the September issue of the AMERICAN PHARMACEUTICAL ASSOCIATION JOURNAL.

"4. That the 1932-1933 grant of \$1000 be awarded by vote of the entire AMERICAN PHARMACEUTICAL ASSOCIATION Research Committee, preferably to a professor in a recognized college of pharmacy; said professor to possess proper qualifications as a research worker and is willing to agree to use the grant for employing a research helper; said helper to possess at least the B.S. degree and preferably to be pursuing the research in partial fulfilment of the requirements of the Doctor degree in the institution where the research is conducted.

"5. While the award is to be formally made by the entire Committee on Research, subject to approval of the Council; details of negotiation and of procedure throughout the year are entrusted to a sub-committee of five, consisting of the chairman of the Research Committee, chairman of the U. S. P. Revision Committee, chairman of the N. F. Revision Committee and also W. L. Scoville and George D. Beal.

"6. If possible, the award will be made before October 1, 1932, and the research be commenced during the college year 1932-1933. Your Committee on Research requests permission of the Council to announce the name of the candidate for the award at the earliest possible date; either this week or later; and express the hope that the Council will have the authority to decide the grant by mail ballot, if decision is not reached by the Research Committee during the week of August 21st.

"7. Your Committee also asks permission to invite requests for the \$1000 grant of 1932-1933; a tentative draft of such an invitation being attached to this report.

"It will be recalled that at our Miami meeting of 1931 the Council authorized the appropriation of \$1100 from the A. PH. A. Research Fund to cover the first year of the proposed research on extraction. For reasons stated above, this sum of \$1100 has not as yet been expended. If it is still available, your committee recommends that the following awards be made from this money:

"1. To Dr. Bernard Fantus and to Miss Hattie Dyniewicz, both of Chicago, Ill., for a study of liquid forms of medicaments for oral use. \$500.00.

"2. To Dr. John C. Krantz, Jr., of Baltimore, for purchase of chemicals and supplies in his research in (a) moisture content of light magnesium oxide, (b) assay of salicylates and benzoates, (c) metabolism of derivatives of mannitol, (d) studies on digitalis extraction. \$150.00.

"Your Committee represented the AMERICAN PHARMACEUTICAL ASSOCIATION at the meeting of the National Conference on Pharmaceutical Research held in Toronto on August 20th. Transactions of the Conference will be reported in due time; so your Chairman will only recommend that the A. PH. A. continue its membership in the Research Conference during 1932-1933.

"In conclusion, your Chairman will point out that the terms of two members of the Research Committee—Messrs. J. A. Koch and A. Viehoever—expire this year."

After discussion, it was moved by Hunsberger, seconded by Adams and carried, that the report be received and the first three recommendations be concurred in.

On motion of Bradley seconded by Adams and carried, recommendation No. 4 was approved and the Committee on Research was authorized to make the appointment when the Committee is satisfied with the selection.

Chairman Army requested information as to the disposal of the income of the Research Fund for 1931. It was moved by Bradley, as Chairman of the Committee on Finance, that the award of the income referred to, on recommendation of the Committee on Research, be approved. The motion was seconded by Beal and carried.

On motion of Day seconded by Hunsberger and carried, the awards of \$500 to Dr. Bernard Fantus for a study of liquid forms of medicaments for oral use and of \$150 to Dr. John C. Krantz, Jr., for the purchase of materials for use in certain research work, as recommended by the committee was approved, as well as the recommendation that membership by the committee be continued in the National Conference of Pharmaceutical Research.

120. *Exhibit by the J. B. Lippincott Company.* Mr. Bacon of this Company was introduced to the Council by Prof. E. Fullerton Cook who explained that the Company desired to exhibit, during the meeting, certain books for which they were distributors. After discussion it was moved by Beal that the Council has no objection to the exhibit if there is no objection by the officials of the Canadian Pharmaceutical Association, and that the Committee on Standard Program be requested to consider a policy with respect to exhibits at the annual meetings and report to the Council. The motion was seconded by Army and carried.

121. *Editor of the Journal.* Editor Eberle read the following report which was received on motion of Hunsberger, seconded by Beal and carried:

"The report of the Editor presented herewith deals with the business of 1931 and, as reports of previous years, is compared with those of 1930.

"The expenses of 1930 were \$15,499.39 not including the Editor's salary; the receipts were \$9922.92. Deduction of the receipts, not including membership subscriptions, from expenses shows a net cost of \$5576.47. Add the Editor's salary and we have a cost of \$10,576.47. The credit on membership subscriptions, not Headquarters members—one-half of the dues for the year less 20% for overhead, which for 1930 is \$5756.60, deducted from gross cost \$10,576.47, leaves \$4819.87 net cost including the Editor's salary or 87 cents net per volume of the JOURNAL. An average of 5500 copies are printed monthly.

"The expenses of 1931 were \$15,364.23, not including the Editor's salary; the receipts were \$9469.01. Following the plan of the foregoing so as to make comparison: Deduct the receipts, not including membership subscriptions from expenses shows a net cost of \$5895.22. Add the Editor's salary, and we have a cost of \$10,895.22. The credit on membership subscriptions, not Headquarters members, less 20% for overhead, which for 1931 is \$6012.66, deducted

from the gross cost, \$10,895.22, leaves \$4882.56 net cost, including the Editor's salary; an average of 5444 copies were printed monthly, making a cost of about 89¢ per volume.

"The difference in net cost is \$62.69 more for 1931 than 1930. Detailed comparative costs of 1930 and 1931: The number of copies of the JOURNAL printed in 1930 was 66,000; in 1931, 65,330. Considerably more 8 point matter was printed in 1931 than in 1930; the purpose was to bring the larger amount of material embodied in the minutes in the issues of 1931; this, to that extent, increased the publication costs.

"The number of pages printed in 1930 was 1360; in 1931, 1366. The publication costs in 1930 were \$10,871.58; in 1931, \$11,031.35. Mailing costs of the JOURNAL in 1930 were \$638.51; in 1931, \$665.09; mailing back numbers in 1930 cost \$21.70; in 1931, \$25.70. Photographs and engravings other than included in Mack Printing Company costs in 1930 were \$346.03; in 1931, \$480.50—it was requested that more illustrations should be used in the JOURNAL. Binding JOURNALS in 1930 cost \$27.25; in 1931, \$24.00. Stationery and Office Supplies in 1930 cost \$93.00; in 1931, \$101.40. Hauling and Freight in 1930 cost \$19.31; in 1931, \$11.57. Clerical, including Professor Olsen's contributions to Department of Business Management, cost, in 1930, \$1376.00; in 1931, \$1356.50. Commission on Advertising in 1930 cost \$678.05; in 1931, \$634.15. Refund on overpaid accounts in 1930 amounted to \$11.50; in 1931, \$8.00. Reprints in 1930 cost \$1049.50; in 1931, \$698.27. Office Postage and Parcel Post in 1930 amounted to \$257.59; in 1931, \$236.83. Collection charges in 1930 amounted to 35 cents; in 1931, 10 cents. Purchasing old JOURNALS in 1930 cost \$15.00; in 1931, \$10.85. The total expenses of 1930 were \$15,499.39; of 1931, \$15,364.23; \$136.16 more in 1930 than in 1931.

"Detailed comparative receipts of 1930 and 1931: The receipts for 1930 amounted to \$9922.92; for 1931, \$9469.01. Advertising in 1930 brought \$6880.89; in 1931, \$6537.13; the difference of \$343.76 (less in 1931 than in 1930) is the result of consolidation of advertising firms; the amount was larger but reduced by securing some new advertising. Subscriptions in 1930 amounted to \$1098.83; in 1931, \$1050.71; in should be understood that we make every effort possible to bring subscriptions into memberships. Single copies brought in 1930, \$152.37; in 1931, \$303.31; bound volumes in 1930, brought \$56.70; in 1931, \$35.00. Reprints in 1930, brought \$1080.76; in 1931, \$727.26. Miscellaneous items in 1930 brought \$653.25; in 1931, \$815.60. In 1930, the National Association of Boards of Pharmacy contributed \$250.00; in 1931, \$257.50. The American Association of Colleges of Pharmacy contributed \$300.00 in 1930 and the same in 1931. Binding JOURNALS in 1930, \$3.25; in 1931, \$1.50. In 1931 we received from the sale of the print—*The Laboratory*—\$26.10. In 1930 there was contributed \$50.00 by Prof. J. U. Lloyd toward the cost of printing an article by him and \$50.00 was paid on the cost of an article by H. W. Youngken. In 1931 the Conference of Pharmaceutical Association Secretaries contributed \$25.00 toward expenses of printing the minutes. Dr. Nyiri contributed \$3.50 toward expense in revising his article. Prof. J. U. Lloyd contributed \$50.00 toward the expense of printing his article, and \$150.00 was contributed toward the expenses of the JOURNAL.

"The JOURNAL has contributed reprints of addresses and other papers for distribution to Pharmaceutical publications. The general idea has been continued in publishing the JOURNAL, but following the request of the ASSOCIATION more illustrations have been used. Considering the general conditions, the JOURNAL has held up remarkably well—there has been little falling off.

"The conditions for 1932 have been shown in the July report of the Editor to the Committee on Publications; the expenses of 1932 to August first are \$50.58 less than in 1931; the receipts \$205.37 less in 1932 than in 1931. We regret that it has been found necessary to reduce the contributions of the National Association of Boards of Pharmacy.

"The JOURNAL has continued in the work of publicity and correspondence shows results. Under Editorial Notes we have an invitation for readers to ask for information. On several occasions we have replied in these columns with assistance of Dr. S. L. Hilton, but most frequently the requests for information have been replied to in correspondence. The requests are becoming more frequent and on a number of occasions the service has received the appreciation of the correspondent. The Editor seeks to arrange each number of the JOURNAL in such a way that each of the divisions of pharmacy is represented and as far as possible reports of state and national meetings are made; this applies also to Local Branches, the Sections, Conferences and international organizations and the Association of Colleges of Pharmacy and of the National Association of Boards of Pharmacy.

"During the past year more reports of surveys have been printed, including prescription ingredient survey, the use of fluidextracts and of other galenicals. We have printed the report of Vitamin Assay Committee of the American Drug Manufacturers' Association.

"Prof. J. U. Lloyd contributed articles III and IV of Physics in Pharmacy; the members here know that these papers are the result of investigations of our veteran member about fifty years ago, the manuscript of which has been checked up by Dr. Ostwald and Dr. Heller. The illustrations of the articles were contributed by the author.

"A number of interesting and valuable historical articles were printed, most of these were illustrated. Quite a number of articles of the Scientific Section are helpful in U. S. P. and N. F. Revision.

"A number of exhibits at the American Medical Association and at various state medical and pharmaceutical bodies, are shown in several numbers of the JOURNAL and reported on; the Cinchona Tercentenary also received considerable attention.

"The minutes of the House of Delegates were printed as usual and distributed to the delegates and the publications; this applies also to the Conferences and the addresses of presiding officers, etc.

"A number of pictures used in the JOURNAL having historical value were enlarged to a size suitable for framing; among these are a misnamed picture showing a laboratory of a London Pharmacy; the late Dr. Frederick Power in his laboratory at Washington, and the ceremony of breaking ground for the Headquarters Building at Washington on July 1st.

"The Editor has brought with him some reprints, other monographs and pictures, the originals of which appeared in the JOURNAL."

122. *Commission on Proprietary Medicines.* Chairman Beal stated that the Commission had no formal report to make this year and that the Commission had under consideration certain studies that might be undertaken during the coming year. The work of the Commission was generally discussed but no action was taken.

123. *Contact Man.* Under the head of new business the recommendation of former President Christensen at the Miami meeting that the ASSOCIATION engage a contact man was given further consideration. It was moved by Beal, seconded by Hunsberger and carried, that the study of this question be continued.

124. *Nomination of Honorary President, Secretary and Treasurer.* On motion of Eberle, seconded by Arny and carried, the following were nominated to the House of Delegates for the respective offices named:

Honorary President, Charles F. Heebner, of Toronto, Canada.  
Secretary, E. F. Kelly, of Baltimore, Md.  
Treasurer, C. W. Holton, of Essex Fells, N. J.

125. *Election of Honorary Members.* Historian Eberle nominated the following: George Urdang of Germany; Hans Heger of Austria; F. Gladstone Hines of England; Herbert Skinner of England.

On motion of Beal, seconded by Arny and carried, the nominees were unanimously elected as Honorary Members.

126. *Election of Members.* The following applicants were elected as members, on motion of Bradley, seconded by Adams and carried: No. 328, Marshall Close, 515 Kilbourne St., Bellevue, Ohio; No. 329, Hugh Leslie Davis, 715 S. Wood St., Chicago, Ill.; No. 330, Alice Esther Garvin, 20 Lake Place, New Haven, Conn.; No. 331, James J. Gill, 1910 Westminster St., Providence, R. I.; No. 332, Henry H. Gregg, Jr., 4954 France Ave., Minneapolis, Minn.; No. 333, Paul J. Jepson, Newton, Iowa; No. 334, David Milford Zemlin, 541 S. 57th St., Philadelphia, Pa.; No. 335, Hugh P. Beirne, 615 Howard Ave., New Haven, Conn.

127. *Annual Report of the Council to the House of Delegates.* The Chairman and Secretary of the Council were authorized to prepare and submit the report, on motion of Adams, seconded by Day and carried.

There being no further business the Council adjourned.

## THIRD MEETING OF THE COUNCIL.

The Third Meeting of the Council for 1931-1932 was held on Thursday forenoon, August 25, 1932, with the following members present: Hilton, Caspari, Army, Bradley, Day, Dunning, Adams, Holton, Eberle, DuMez, Roach and Kelly.

The minutes of the Second Meeting were read and adopted as read.

128. *Committee on Unofficial Standards.* The report was read by the secretary in the absence of Chairman Krantz:

*Organization:* Since the presentation of the 1931 report, the personnel of the Committee on Unofficial Standards of this ASSOCIATION has not been changed. The Committee is divided into two sections, a chemical section under the chairmanship of Dr. Hugo H. Schaefer, and a botanical section under the chairmanship of Professor E. B. Fischer. In addition to the regular members of the Committee there are serving in the capacity of consultants several associate members.

*Activities Undertaken:* For 1932 the following monograph assignments were made by the chairman of the Committee. 1. Psyllium Seed, assignment to Youngken, Ziefle, associate. 2. Malic Acid, assignment to Krantz, John G. Roberts, associate. 3. Ephedra Vulgaris, assignment to Newcomb, O. A. Farwell, associate. 4. Potassium Sulphocyanate, assignment to E. F. Lynn, J. A. Koch, associate. 5. Bismuth Oleate, assignment to Hugo H. Schaefer, W. F. Sudro, associate. 6. Extractive Preparation containing the Glucosides of Digitalis free from inert material intended for intramuscular use, assignment to Otto Raubenheimer, E. S. Rose, associate.

*Completed Monographs:* The report of this Committee includes three completed monographs: 1. Psyllium Seed; 2. Potassium Sulphocyanate; 3. Malic Acid. These monographs are approved by the Committee on Unofficial Standards and are recommended for publication in the JOURNAL of the AMERICAN PHARMACEUTICAL ASSOCIATION.

*Progress of Uncompleted Work:* Dr. Rose has submitted a tentative monograph for a preparation containing the glucosides of digitalis which will be given further study by the Committee during the coming year. Dr. Schaefer reports progress on the monograph for Bismuth Oleate. Professor Fischer announced that emanating from the Sub-Committee on Botanicals the following monographs have been checked and are ready for the second presentation to the members of this Committee: 1. Ceanothus; 2. Sabadilla Seed; 3. Marrubium; 4. Cascarella. These monographs will be completed during the ensuing year and will form a part of the Committee's report next year.

*Plans for Future Work:* The Committee in planning its future work invites the suggestions from ASSOCIATION members interested in the establishment of standards. It is their purpose during the coming year to project our preparation of monographs and standards to some of the new and more generally used unofficial drugs."

The report was received on motion of Army, seconded by Roach and carried.

129. *Committee on Year Book.* Chairman Geo. D. Beal read the following report:

"The Committee on YEAR BOOK has the honor to submit the following report.

"We realize that this ASSOCIATION must carefully weigh any change in policy before committing itself to any important step. However, in order that we may be of constantly increasing service to our members, we must at all times consider whether our activities are of such a nature that the membership receives the full benefit intended.

"It is the belief of the members of this committee, in which we believe we are supported by the Editor of the YEAR BOOK, that the ASSOCIATION, including the rank and file of both professional and scientific workers, do not benefit from the Report on the Progress of Pharmacy in its current form to an extent to warrant the present expenditure of money and effort. We are fully appreciative of the extent to which the ASSOCIATION profits in reputation by the appearance in libraries of this comprehensive summary. We realize that we have in the YEAR BOOK a scholarly report on the past research and professional activities of Pharmacy. At the same time, however, we feel that pharmacists to-day should be more promptly informed of the progress that is being made in the science, art and business of Pharmacy. Once the pharmacist begins to depend upon the publications of other agencies than his own ASSOCIATION, the value of the ASSOCIATION to him is sensibly diminished.

"The report on The Progress of Pharmacy need not be so broadly representative of the related sciences as are Chemical and Biological Abstracts. We do feel that comprehensive abstracts of papers dealing with inorganic, analytical, organic, physical and physiological chemistry as related to Pharmacy, and with pharmaceutical botany, pharmacognosy, pharmacology, the art of pharmacy, and public health and preventive medicine, as well as those commercial and legal matters affecting Pharmacy as a profession should be more promptly prepared and published. Your Committee therefore presents three plans for your consideration:

"1. Let the ASSOCIATION bend every effort and give every encouragement to the speedier publication of the YEAR BOOK. This will involve the assignment of articles to be abstracted in monthly installments, the organization of a larger corps of abstractors, the follow-up of assignments to bring them in within the monthly deadline, the regular preparation by the Editor of the abstracts in form for publication, and the encouragement of the abstractors by the payment of a modest space-rate for abstracting work as a means of more certainly establishing a definite obligation on their part.

"Against this plan we can cite objections as follows: Some of the material appearing will inevitably be at least fifteen months old, the strongest incentive to prompt preparation of abstracts will still be lacking, the ASSOCIATION will still be put to the cost of binding the Report, and the Bound Report still cannot be mailed at the periodical rate of postage.

"2. Let the ASSOCIATION substitute for the Report on the Progress of Pharmacy in its present form a monthly abstract section in the JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION. This section should be devoted to abstracts of the current literature of Pharmacy, having the same scope as that intended for the YEAR BOOK. The preparation of the abstracts should be carried out under the direction of an editor or associate editor, by a corps of abstractors as suggested above for the YEAR BOOK. The Editor having estimated that the number of articles now abstracted is in the neighborhood of 2000, the number of abstracts to be prepared and published monthly will range from 160 to 180, the additional journal space required will be from 24 to 28 pages per month, and the preparation of four to five abstracts per abstractor per month would require the assistance of perhaps 40 persons.

"If this is done, we recommend that this section be given its own consecutive paging and that the official roster of the ASSOCIATION be published as a supplement to the December number of the JOURNAL together with an index to the abstracts. With this separate and consecutive paging, members desirous of preserving this report as a special volume for their libraries to continue the file of Proceedings and YEAR BOOKS need only separate the abstract sections, and the supplement, and send the collected pages out for binding. Doubtless the ASSOCIATION could arrange with the publication office for this binding to be done in uniform style for the members at cost, or could receive orders in advance for the collective volume, separates for which could be printed monthly and bound at the end of the year and furnished at cost to those placing orders.

"As advantages we see the prompt publication of abstracts and an estimated saving to the ASSOCIATION of approximately 25 per cent of the cost of the present YEAR BOOK, in addition to the prestige to be gained by including this useful section in the JOURNAL.

"The major objections are: the fact that many members will not read the abstracts as they now examine the YEAR BOOK, that they will not separate and bind the abstracts, and that the continuation of a bound Report on the Progress of Pharmacy available since approximately 1865 will be broken.

"Another serious objection is that the date for closing forms on the abstracts will of necessity coincide with that for the balance of the JOURNAL, a matter of some concern when the number of contributing abstractors is considered.

"3. Let the ASSOCIATION begin the publication of a new periodical, to be known as Pharmaceutical Abstracts, the scope of which will be that intended for the

YEAR BOOK or the abstract section of the JOURNAL. To this may be added the scientific articles now appearing in our JOURNAL, leaving the latter for the general business of the ASSOCIATION, public and official addresses, and articles dealing with commercial and dispensing Pharmacy. We believe that the name as suggested should be pre-empted by the ASSOCIATION, to be added to later as the need arose. As to the warrant for a scientific journal of Pharmacy, I need only direct your attention to the discussion now going on in the Division of Medicinal Chemistry of the American Chemical Society over the lack of a suitable place for the publication of many of their contributions.

"As advantages we point out the following:

"It would not materially increase the effort now required in the publication of the YEAR BOOK, and would make available immediately abstracts of the world's best scientific literature related to Pharmacy.

"The cost to the ASSOCIATION should not exceed materially the cost of the YEAR BOOK.

"It would make the ASSOCIATION stand pre-eminently for Scientific as well as Practical Pharmacy.

"It would give to American Pharmacy a scientific journal second to none.

"It would bring to the membership roster, or to the subscription list, the names of individuals who are not now appreciative of the work of the ASSOCIATION or of the JOURNAL.

"It would place the name of the ASSOCIATION on the shelf list of every important technical library of the country, and of many in other countries, where it is not to be found at present.

"It would increase, to some extent, the advertising income of the ASSOCIATION.

*Recommendations:* The Committee on YEAR BOOK submits these three propositions on their merits, but without recommendation. It is only fair to the Committee, however, to say that our preference is for prompt publication of scientific reports, and that we believe that American Pharmacy can justify the scientific journal."

On motion of Arny, seconded by Bradley, the report was received and the committee continued. After a general discussion, it was moved by Arny that the Committee on YEAR BOOK be authorized to continue their study with the object of issuing an abstract journal as soon as this is feasible.

130. *American Council on Pharmaceutical Education.* The secretary reported that he was advised that the N. A. B. P. and the A. A. C. P. had approved the formation of the Council, and that the A. PH. A. had been requested to name three members to represent it in order that an organization meeting of the Council might be held in Toronto. After discussion President Adams announced the appointment of E. F. Kelly for six years, D. F. Jones for four years, and H. A. B. Dunning for two years, as the members of the Council to represent the A. PH. A.

131. *Election of Members.* The following applicants were elected to membership on motion of Dunning, seconded by Caspari and carried: No. 336, Harry G. Banzhof, R. D. No. 4, Stroudsburg, Pa.; No. 337, Wolfgang Schnellback, P. O. Box 8, Linden, N. J.; No. 338, Earl Gunther, 404 Taylor St., Portland, Oreg.; No. 339, Edwin A. Robison, 825 Tillamook St., Portland, Oreg.; No. 340, Haney J. Donnell, 324 Alder St., Portland, Oreg.; No. 341, Ruth MacFarlane, North Pacific College, Portland, Oreg.; No. 342, Agnes Short, 63 Garden St., Saint John, N. B.; No. 343, Berl William Wager, 453 New St., Lebanon, Pa.

The Third Meeting of the Council then adjourned.

#### FOURTH MEETING OF THE COUNCIL.

The Fourth Meeting of the Council was held at the Royal York Hotel, Toronto, on Friday evening, August 26, 1932, with the following members present: Hilton, Adams, Beal, Caspari, Arny, Bradley, Holton, Eberle, DuMez, Roach and Kelly.

The minutes of the Third Meeting were read and adopted as read.

132. *Appropriation for Second Edition Standardized Plant Names.* On recommendation



of the Committee on Horticultural Nomenclature, as referred to the Council by the House of Delegates, an appropriation of \$25.00 was approved for inclusion in the budget for 1933, on motion of DuMez, seconded by Holton and carried.

133. *Committee on Publications.* A recommendation included in the report of the Section on Historical Pharmacy and referred to the Council by the House of Delegates, that certain photographs be printed in original colors if possible, was referred to the Committee on Publications on motion of Adams, seconded by Roach and carried.

134. *Committee on Research, Award.* Chairman Arny reported that the proposed award for the study of drug extraction was announced to the A. A. C. P. and others, that only one request was received, and that after consideration by the Committee the award of \$1000 was made to the University of Florida which will appoint an advisory committee, with Dr. W. J. Husa as Chairman, to direct the work and to cooperate with the special advisory committee from the Committee on Research. After discussion, the award was approved, on motion of Holton, seconded by Caspari and carried.

There being no further business, Chairman Hilton declared the Council of 1931-1932 adjourned with an expression of appreciation to its members.

E. F. KELLY, *Secretary.*

## THE COUNCIL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION, 1932-1933.

Office of the Secretary, 10 West Chase Street, Baltimore, Md.

### LETTER NO. 1.

September 8, 1932.

*To the Members of the Council:*

The reorganization and First Meeting of the Council 1932-1933 was held in the Royal York Hotel, Toronto, Canada, on Friday, August 26, 1932, beginning at 10:25 P.M.

1. The roll was called and the following were present: Arny, Bradley, Hilton, Hunsberger, Beal, Caspari, Philip, Jones, Holton, Kelly, Eberle, DuMez and Slocum.

2. *Election of Chairman.* S. L. Hilton was elected Chairman of the Council for 1932-1933 on motion of Beal seconded by Caspari and carried.

3. *Election of Vice-Chairman.* C. H. LaWall was elected Vice-Chairman of the Council for 1932-1933 on motion of Arny, seconded by Bradley and carried.

4. *Election of Editor of the Journal.* E. G. Eberle was elected Editor of the JOURNAL for 1932-1933 on motion of Holton, seconded by Beal and carried.

5. *Election of Editor of the Year Book.* A. G. DuMez was elected Editor of the YEAR BOOK for 1932-1933 on motion of Eberle, seconded by Arny and carried.

6. *Membership of the Council.* The membership and officers of the Council for 1932-1933 are as follows:

#### ELECTED MEMBERS.

- H. V. Arny, 115 W. 68th St., New York, N. Y. (Term expires 1933.)  
 T. J. Bradley, 179 Longwood Ave., Boston, Mass. (Term expires 1933.)  
 W. B. Day, 715 S. Wood St., Chicago, Ill. (Term expires 1933.)  
 H. A. B. Dunning, Charles and Chase Sts., Baltimore, Md. (Term expires 1934.)  
 S. L. Hilton, 1033 Twenty-Second St., N. W., Washington, D. C. (Term expires 1934.)  
 Ambrose Hunsberger, 1600 Spruce St., Philadelphia, Pa. (Term expires 1934.)  
 J. H. Beal, Fort Walton, Fla. (Term expires 1935.)  
 C. E. Caspari, Euclid and Parkview Aves., St. Louis, Mo. (Term expires 1935.)  
 C. H. LaWall, 214 S. 12th St., Philadelphia, Pa. (Term expires 1935.)

#### EX-OFFICIO MEMBERS.

- W. Bruce Philip, 557 Munsey Building, Washington, D. C.  
 Rowland Jones, Gettysburg, S. Dak.  
 G. H. Grommet, 2364 S. W. 11th St., Miami, Fla.  
 E. F. Kelly, 10 West Chase St., Baltimore, Md.

C. W. Holton, Box 81, Essex Fells, N. J.  
 J. W. Slocum, 404 W. Ashland Ave., Indianola, Iowa.  
 E. G. Eberle, 10 W. Chase St., Baltimore, Md.  
 A. G. DuMez, Lombard and Greene Sts., Baltimore, Md.

## OFFICERS OF THE COUNCIL.

S. L. Hilton, *Chairman*.  
 C. H. LaWall, *Vice-Chairman*.  
 E. F. Kelly, *Secretary*.

7. *Finance Committee*. Chairman Hilton appointed T. J. Bradley, Chairman, C. H. LaWall and C. W. Holton as members of the Committee on Finance, and these appointments were confirmed on motion of Beal, seconded by Eberle and carried.

8. *Committee on Property and Funds*. The personnel of this Committee, as provided for in the Council By-Laws, is as follows for 1932-1933: W. B. Philip, C. W. Holton, S. L. Hilton, T. J. Bradley and E. F. Kelly.

9. *Committee on Publications*. Chairman Hilton appointed H. V. Arny, C. H. LaWall and W. B. Day as members of the Committee, the other members being E. G. Eberle, E. F. Kelly, A. G. DuMez and C. W. Holton as provided in the By-Laws.

These appointments were confirmed on motion of Beal seconded by Philip. Chairman Hilton appointed A. G. DuMez as chairman of the Committee on Publications.

10. *Committee on Standard Program*. The chairman appointed S. L. Hilton, T. J. Bradley and E. F. Kelly as members of the Committee on Standard Program.

11. *Committee on Year Book*. The chairman announced that this committee had been continued by action of the Council 1931-1932 with the following membership: Geo. D. Beal, Chairman, F. W. Nitardy, H. W. Youngken, E. N. Gathercoal, E. E. Swanson, W. L. McCloskey and J. C. Krantz, Jr.

12. *Executive Committee of the Council*. It was moved by Beal that the chairman be authorized in case the occasion should arise to appoint an Executive Committee consisting of seven members. The motion was seconded by Arny and carried.

13. *Committee on Pharmaceutical Research*. On motion of Bradley, seconded by Arny and carried, J. A. Koch and Glenn L. Jenkins were elected members of this Committee to serve until 1937.

14. *Commission on Proprietary Medicines*. S. L. Hilton was elected a member of this Commission to serve until 1937, on motion of Beal, seconded by Slocum and carried.

15. *Committee on Unofficial Standards*. On motion of Caspari, seconded by Arny and carried, W. F. Sudro, H. H. Schaefer, H. W. Youngken and E. L. Newcomb were elected members of the committee for a term of four years.

16. *Appointment of Standing and Special Committees and Delegates of the Association*. The president was authorized, on motion of Beal, seconded by Caspari and carried, to make such appointments as are now authorized, to fill vacancies as they may occur, and to make additional appointments as may be necessary or advisable, during the year.

17. *Committee on Recipe Book*. After a general discussion, it was moved by Bradley that the Committee on Recipe Book be continued for one year. The motion was seconded by Caspari and carried.

18. *Canadian Membership in A. Ph. A.* After a general discussion in which it was mentioned that the name originally suggested for the A. Ph. A. was the "National Pharmaceutical Association" and that American was adopted for National to emphasize its inter-national character and scope, the president and secretary were requested, on motion of Beal, seconded by Arny and carried, to address a communication to the Canadian Pharmaceutical Association and through it to the several provincial organizations, calling attention to the eligibility of Canadian pharmacists in the A. Ph. A. and cordially inviting them to join, emphasizing that the A. Ph. A. is devoted to pharmacy in its broadest aspects and that the invitation is extended with no intention to interfere with the work of the Canadian organizations but rather to supplement it in respect particularly to matters of continental interest.

19. *Interchange of Fraternal Delegates*. After discussion of the advantages of closer relations with the Pharmaceutical Society of Great Britain, the Canadian Pharmaceutical As-

sociation, and the Ontario Retail Druggists Association, the president and secretary were requested on motion of Beal, seconded by Bradley and carried, to cordially invite these organizations to send fraternal delegates to the meeting of the A. Ph. A. in Madison, Wis., in 1933.

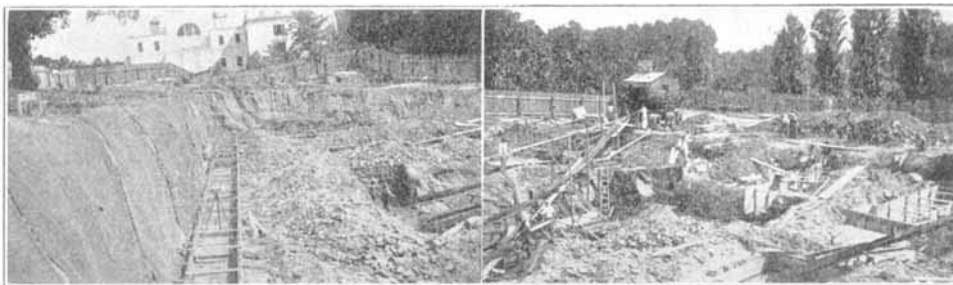
20. *International Pharmaceutical Federation.* The secretary reported that an invitation was extended to the Federation to hold its 1933 meeting in or near Chicago and just prior to or following the A. Ph. A. meeting, and that the invitation was acknowledged and that correspondence with respect to it was being continued.

The meeting then adjourned.

E. F. KELLY, *Secretary.*

#### OMISSIONS.

*On account of the Association reports, addresses etc., it is necessary to omit several departments of the JOURNAL from this issue.*



**Progress at the Headquarters' Site.**—On the left, the National Academy of Sciences shows the location of the grounds, and the activities preparatory to laying the foundation of the Pharmacy Building are shown in both pictures.—*Courtesy of S. L. Hilton.*

#### PHARMACY WEEK BEGINS OCTOBER NINTH.

Pharmacy Week presents an opportunity for pharmacists to interest the public in the service pharmacy renders. The maps of former years are still being used by schools and by libraries and clubs—this year it is a Medicinal Plant Map that will serve as the background of Pharmacy Week windows and the foreground should show growing plants and drugs derived from them. A general suggestion is embodied in the following:

Nearly all of the growers of garden-flowering plants list many medicinal species. It is not necessary, however, to obtain supplies from the florist, although this may be done. Several hundred seeds and fruits are used in medicine as drugs. A large number of these, as taken right out of the drug stock, will grow. The following are to be found in the drug stocks of most pharmacies and are suitable for pharmacists to experiment with. Half a dozen boxes representing some of these seedlings, displayed in a window or on a counter, and properly labeled will arouse much favorable comment and interest: anise, fennel, ripe orange seed, psyllium seed (*Plantago lanceolata* yielding French Psyllium is the common buckhorn so troublesome in our lawns), hemp seed (soak in luke-warm water first), capsicum (seed from fruit—some will grow, a little slowly), caraway, flaxseed, American wormseed (some will grow from fresh fruit drug), coriander, castor oil beans (file or cut through the seed-coat slightly—will grow if fresh), black mustard and yellow mustard (very easy), stramonium seed (soak first—some of commercial drug seed will grow), celery fruit, poison hemlock fruit and annual larkspur or delphinium. Practically all of these seeds yield medicinal plants from which U. S. P. or N. F. drugs are derived. When the seedlings begin to come up, display with the growing plants some of the whole drug and bottles of the preparation in which the drug is used. If the plant is illustrated on the Medicinal Plant Map, connect the growing plants with the illustration on the map.

Secure a map, if you have not done so from your Wholesale Druggist. It represents the finest work in modern lithography, 44 inches by 64 inches in size and carries reproductions of 125

important medicinal plants. On the face of the map appear illustrations of the more important medicinal plants growing native or cultivated in the United States. Around the border appear illustrations of the more important medicinal plants of foreign origin. The use of nine colors in the map brings out all of the brilliant hues and colors of the flowers, fruits and other parts of the plants. Under each illustration appears a legend giving the common and Latin name of the plant, its use in medicine and information as to where the plant is native. On the face of the map in a large box appears a message to the public on the importance of the services of pharmacy.

Chairman Anton Hogstad, Jr., of the National Pharmacy Week Committee, 161 Sixth Ave., New York City, cooperates with the National Wholesale Druggists' Association, 51 Maiden Lane, New York City, in an effort to have these displays more generally used by retail pharmacists. Prizes are offered by state and local associations for best displays and the Federal Wholesale Druggists' Association offers a grand prize in the form of a silver cup for the best Pharmacy Week window display in the United States.

President Hoover has on two occasions issued Pharmacy Week proclamations and there will be messages from Governors of states; newspapers should be interested and supplied with stories, clubs addressed, messages broadcasted.—Address the National Pharmacy Week Committee, 161 Sixth Ave., New York City, for information.

#### PHARMACY WEEK PRIZE WINDOWS.

The secretary of each state pharmaceutical association will receive all photos to be entered in the contest from his state, and will then forward to National Pharmacy Week Headquarters, 161 Sixth Avenue, New York, N. Y., the best display in that group. He may determine the best display by a state contest or other method which he or his association may select. No photographs may be sent direct by the contestants to National Pharmacy Week Headquarters, but must be mailed to the state secretary for competition in state contests. Winners of state contests are then entered in the national contest. Photographs must show the entire window and be large enough to exhibit details of the display plainly; 8 by 10 is the ideal size photo, but 5 by 7 photos will be acceptable. Manufactured pharmaceutical, chemical and biological products related to the practice of pharmacy may be displayed, but competing windows must be non-commercial. Price tags must not be used. Merchandise unrelated to pharmacy must not be displayed.

Drug Maps can be obtained without cost from Wholesale Druggists; the National Wholesale Druggists' Association, 51 Maiden Lane, New York City, will mail a copy on receipt of 50 cents; mounted maps are supplied for \$3.00 each.

#### LIST OF REGISTRANTS, ANNUAL MEETING, A. PH. A., TORONTO, CANADA.

(Canadian-American Pharmaceutical Convention.)

List of Registrants in attendance at the Eightieth Annual Meeting, A. PH. A.—Corrections and additions respectfully requested; please address JOUR. A. PH. A., 10 W. Chase St., Baltimore, Md.

ADAMS, WALTER D., MR. AND MRS., Forney, Texas.	BECKER, W. E., Brooklyn, N. Y.
AMBROZ, W. F., Indianapolis, Ind.	BEIGHTLY, S. R., Connellsville, Pa.
AMBS, H. I., Miss, Medford, Mass.	BENFIELD, H. E., Cleveland, Ohio.
AMRHEN, P. J., Brookline, Mass.	BIBBINS, F. E., MR. AND MRS., Indianapolis, Ind.
ANDERSON, O., Indianapolis, Ind.	BIBBINS, MRS. RUTH, Indianapolis, Ind.
ANDREWS, MARVIN J., MR. AND MRS., Baltimore, Md.	BINGHAM, RALPH, Norman, Okla.
ARNOLD, H. C. F., Floral Park, N. Y.	BINGHAM, W. E., Tuscaloosa, Ala.
ARMY, H. V., DR. AND MRS., New York City.	BLOME, W. B., Detroit, Mich.
BACHMAN, GUSTAVE, Minneapolis, Minn.	BOSLEY, JOHN O., Wilmington, Del.
BACON, EDWARD W., Philadelphia, Pa.	BRADLEY, THEODORE Jr., Boston, Mass.
BACON, F. J., MR. AND MRS., Cleveland, Ohio.	BRADLEY, THEODORE J., Boston, Mass.
BAER, LILLIAN, Boston, Mass.	BREWER, C. M., Oklahoma, City, Okla.
BALLARD, C. W., MR. AND MRS., Mt. Vernon, N. Y.	BREWER, MAE E., Oklahoma City, Okla.
BAROL, A., Philadelphia, Pa.	BROWN, B. B., MR. AND MRS., AND FAMILY, Dallas, Texas.
BARRETT, LESLIE B., MR. AND MRS., New Haven, Conn.	BROWN, C. F., Fall River, Mass.
BAUER, JOHN C., Baltimore, Md.	BROWN, HENRY, Scranton, Pa.
BRACH, D. C., Wood-Ridge, N. J.	BUCKLEY, W., Toronto, Canada.
BEAL, GEORGE D., Pittsburgh, Pa.	BUDINGER, MRS. CAROLINE WALTON, Williamsport, Pa.
BEAL, JAMES H., DR. AND MRS., Ft. Walton, Fla.	BUHLER, GEORGE H., Cleveland, Ohio.

- BURBIDGE, MR. AND MRS. G. A., Halifax, N. S.  
 BURLAGE, H. M., MR. AND MRS., Chapel Hill, N. C.  
 BYE, MORTIMER, MR. AND MRS., Cincinnati, Ohio.
- CAMPBELL, W. L., Chicago, Ill.  
 CANIS, O. F. A., Cedarhurst, N. Y.  
 CANIS, O. P. M., New York City.  
 CASPARI, CHARLES E., St. Louis, Mo.  
 CHRISTENSEN, H. C., MR. AND MRS., Chicago, Ill.  
 CLARK, C. C., Toronto, Ont.  
 CLARK, GAY, Morristown, Tenn.  
 CLAYTON, CHARLES J., Denver, Colo.  
 CLOSE, M. E., MR. AND MRS., Ada, Ohio.  
 COHEN, THEODORE S., Boston, Mass.  
 COLE, MURRAY, MR. AND MRS., Toronto, Canada.  
 CONGER, FRED A., St. Paul, Minn.  
 COOK, E. FULLERTON, Philadelphia, Pa.  
 COOPER, MARGARET M., Villisca, Iowa.  
 COOPER, ZADA M., Iowa City, Iowa.  
 COSTELLO, P. H., Cooperstown, N. Dak.  
 COUGHLAN, T. A., MR. AND MRS., Hastings, Canada.  
 COUGLAND, C. O., Scotts, Ont.  
 CROCKBETT, W. G., Richmond, Va.  
 CURRY, G. L., Louisville, Ky.
- DANDREAU, JOHN L., MR. AND MRS., New York City.  
 DARBAKER, L. K., MR. AND MRS., Pittsburgh, Pa.  
 DAVIS, H. L., MR. AND MRS., Chicago, Ill.  
 DAY, WM. B., MR. AND MRS., Chicago, Ill.  
 DEICHMILLER, H. S., Rochester, N. Y.  
 DELGADO, FRANK A., Washington, D. C.  
 DIKMAN, GEORGE C., MR. AND MRS., New York City.  
 DUMEZ, A. G., DR. AND MRS., Baltimore, Md.  
 DUNNING, H. A. B., DR. AND MRS., Baltimore, Md.  
 DURHAM, E. E., Corunna, Mich.  
 DURHAM, GRACE, Corunna, Mich.  
 DURHAM, JANE, Corunna, Mich.  
 DUVERETTE, CHARLES, Montreal, Canada.
- EBERLE, E. G., MR. AND MRS., Baltimore, Md.  
 EBY, FRANK H., MR. AND MRS., Springfield, Pa.  
 ELLIOTT, O. E. A., Willowdale, Ont.  
 EMANUEL, LOUIS, MR. AND MRS., Pittsburgh, Pa.  
 EMIG, HERBERT M., Chicago, Ill.  
 ENGBERG, A. E., Charleston, S. C.  
 EVANS, GEORGE A., MR. AND MRS., Toronto, Canada.
- FARLANE, D. E., Toronto, Canada.  
 FENNEY, NICHOLAS W., New Haven, Conn.  
 FIERO, GEORGE W., MR. AND MRS., Buffalo, N. Y.  
 FINNERAN, J. F., MR. AND MRS., Boston, Mass.  
 FISCHELIS, ROBERT P., Trenton, N. J.  
 FISH, ERWIN L., Arcade, N. Y.  
 FOOTE, P. A., Gainesville, Fla.  
 FORD, M. N., Columbus, Ohio.  
 FORTIN, F. L., Montreal, Canada.  
 FREEMAN, LEWIS G., Buffalo, N. Y.  
 FREERICKS, FRANK H., Cincinnati, Ohio.  
 FREY, ERNEST, MR. AND MRS., Leonde, Ontario.  
 FRISCH, THEODORE, MR. AND MRS., St. Charles, Minn.  
 FUEHRMANN, CHARLES J., MR. AND MRS., Washington, D. C.  
 FUNK, JOHN A. J., MR. AND MRS., Galveston, Ind.
- GANGER, WM. H., Orono, Maine.  
 GANGIS, C. H., MR. AND MRS., Buffalo, N. Y.  
 GATHERCOAL, E. N., MR. AND MRS., Chicago, Ill.  
 GAYLE, J. W., Frankfort, Ky.  
 GERSHENFELD, LOUIS, Philadelphia, Pa.  
 GIDLEY, W. F., DR. AND MRS., AND FAMILY, Austin, Texas.  
 GIFFEN, ROBERT C., MR. AND MRS., Washington, D. C.  
 GILBERT, C. T., Noroton, Conn.  
 GILL, JAMES J., MR. AND MRS., Olneyville, R. I.  
 GILSON, CHARLES F., MR. AND MRS., Centredale, R. I.  
 GLOVER, C. C., Ann Arbor, Mich.  
 GLOVER, WM. H., MR. AND MRS., Lawrence, Mass.  
 GRAY, WM., Chicago, Ill.  
 GREGG, HENRY H., JR., Minneapolis, Minn.  
 GREGORY, WILLIS, Buffalo, N. Y.  
 GUSTAFSON, CARROLL B., MR. AND MRS., Arlington Hts., Mass.  
 GUSTAFSON, CHARLES, JR., Hartford, Conn.  
 GUSTAFSON, KATIE, Arlington, Mass.
- HABERMAN, M., MR. AND MRS., Toronto, Canada.  
 HAMILTON, C. J., Kingston, Ont.  
 HAMMOND, ELMER L., Oxford, Miss.  
 HANNA, M., Findlay, Ohio.  
 HARDIN, N. M., Winnipeg, Manitoba.  
 HARRING, CARL G. A., MR. AND MRS., Newton Center, Mass.  
 HAVENHILL, L. D., MR. AND MRS., Lawrence, Kans.  
 HEEBNER, CHARLES, Toronto, Canada.
- HEIN, HENRY F., San Antonio, Texas.  
 HELPER, ISADORE, Detroit, Mich.  
 HENRY, F. W., Toronto, Canada.  
 HEWITT, T. G., Buffalo, N. Y.  
 HILTON, S. L., MR. AND MRS., Washington, D. C.  
 HINDS, E. A., Orillia, Canada.  
 HINES, F. GLADSTONE, Felixstour, England.  
 HOCH, J. HAMPTON, MR. AND MRS., Charleston, S. C.  
 HOGSTAD, ANTON, JR., St. Louis, Mo.  
 HOLTON, C. W., MR. AND MRS., Essex Fells, N. J.  
 HURD, J. W. HOWARD, MR. AND MRS., Flint, Mich.  
 HUSA, WM. J., Gainesville, Fla.
- IRELAND, EDWARD J., Madison, Wis.
- JACOBS, F. A., Toronto, Canada.  
 JENKINS, GLENN J., DR. AND MRS. GLENN L. JENKINS, AND DAUGHTER, Baltimore, Md.  
 JEPSON, P. J., Newton, Iowa.  
 JOHNSON, HENRY S., New Haven, Conn.  
 JONES, ROWLAND, Gettysburg, S. D.  
 JORDAN, C. B., DR. AND MRS., La Fayette, Ind.  
 JORDAN, CHARLES B., La Fayette, Ind.  
 JORDAN, ROBERT, La Fayette, Ind.  
 JORGENSEN, A. L. T., San Francisco, Calif.  
 JUBY, B. C., MR. AND MRS., Winnipeg, Canada.
- KAGY, E. V., Des Moines, Iowa.  
 KAINS, ELEANOR M., Baltimore, Md.  
 KASSNER, HERBERT C., DR. AND MRS., New York City.  
 KEBLER, LYMAN F., Washington, D. C.  
 KEIM, R. D., Squibb Bldg., New York City.  
 KELLY, E. F., Baltimore, Md.  
 KERMONT, T. W., Duluth, Minn.  
 KIDDER, DR. JAMES H., New York City.  
 KING, A. H., MR. AND MRS., Manhattan, Kans.  
 KING, F. H., Delphos, Ohio.  
 KIRBY, FRANK B., Evanston, Ill.  
 KNOWLTON, E. S., Vancouver, B. C.  
 KOCH, J. A., DR. AND MRS., Pittsburgh, Pa.  
 KOTTE, BERNARD J., MR. AND MRS., Cincinnati, Ohio.  
 KRADWELL, G. V., Racine, Wis.  
 KRAMER, JOHN E., MR. AND MRS., Philadelphia, Pa.  
 KRANTZ, J. C., MR. AND MRS., JR., AND DAUGHTER, Baltimore, Md.  
 KRUMWIDE, H. A., New Brunswick, N. J.  
 KRUPNICK, GERTRUDE, Boston, Mass.  
 KULRIGHT, G., Kansas City, Mo.
- LANDER, NORMAN, B., Toronto, Ont., Canada.  
 LANGENHAN, H. A., Seattle, Wash.  
 LANWERMEYER, CHAS. F., Waukegan, Ill.  
 LARSON, MARTIN, Andover, S. Dak.  
 LASCOFF, J. L., MR. AND MRS., New York City.  
 LEDER, HENRI, Montreal, Canada.  
 LEE, C. O., MR. AND MRS., W. Lafayette, Ind.  
 LEE, F. A., Pittsburgh, Pa.  
 LEE, JOHN W., Washington, D. C.  
 LEITMAN, ROBERT S., MR. AND MRS., Brooklyn, N. Y.  
 LEIGH, T. R., DR. AND MRS., Gainesville, Fla.  
 LEMON, A. B., Buffalo, N. Y.  
 LEWIS, LAWRENCE C., Tuskegee, Ala.  
 LINDAHL, WALLACE, Auburn, Wash.  
 LINSTAD, HUGH N., MR. AND MRS., London, England.  
 LINTON, W. L., Toronto, Canada.  
 LOFGREN, F. V., MR. AND MRS., Valparaiso, Ind.  
 LUNIANIS, CY., Osh Kasha, Canada
- MAIER, A. A., New Haven, Conn.  
 MALTBIE, B. L., Altamont Springs, Fla.  
 MANSON, ALFRED P., MR. AND MRS., Gardiner, Maine.  
 MANSON, HENRY, Hudson, Mass.  
 MARNs, THOMAS, London, England.  
 MARR, L. H., MR. AND MRS., Farmington, Maine.  
 MARTIN, LEWIS E., Chicago, Ill.  
 MATHER, GEORGE W., SCOTIA, N. Y.  
 MAYES, HERBERT R., New York City.  
 MEADS, WALTER F., Des Moines, Iowa.  
 MILNE, F. R., MR. AND MRS., Pratt, Kansas.  
 MILNE, MARY, Blyth, Ontario.  
 MOLLETT, CHARLES E. F., Missoula, Mont.  
 MONELL, LEON, Buffalo, N. Y.  
 MUIR, JOHN D., Grand Rapids, Mich.  
 MULDOON, HUGH C., Pittsburgh, Pa.  
 MULLOWNEY, JOHN J., Nashville, Tenn.  
 MUNCH, JAMES C., DR. AND MRS., AND DAUGHTER, Lansdowne, Pa.
- NETZ, C. V., MR. AND MRS., Minneapolis, Minn.  
 NEWTON, H. C., MR. AND MRS., AND FAMILY, Omaha, Neb.  
 NICHOLS, C. V., MR. AND MRS., Memphis, Tenn.  
 NICKLIN, WALTER S., Alexandria, Va.  
 NITARDY, F. W., Brooklyn, N. Y.  
 NORTH, ALBERT R., London, Ont.

O'CONNELL, C. LEONARD, Pittsburgh, Pa.  
 OLIVER, E. B., MR. AND MRS., AND FAMILY, Longview, Texas.  
 OSOL, ARTHUR, MR. AND MRS., Philadelphia, Pa.

PAPERNICH, BEULAH R., Toronto, Canada.  
 PARADOWSKY, JOSEPH, MR. AND MRS., Kansas City, Kans.  
 PATCH, RALPH R., Boston, Mass.  
 PATTERSON, BESS, El Reno, Okla.  
 PATTERSON, U. R., Orillia, Canada.  
 PATTERSON, W. D., El Reno, Okla.  
 PHILIP, W. BRUCE, MR. AND MRS., Washington, D. C.  
 PITTFINGER, SAMUEL S., Philadelphia, Pa.  
 POLEAT, RAY, Detroit, Mich.  
 POWERS, J. L., Ann Arbor, Mich.  
 PROUT, W. A., MR. AND MRS., Charleston, S. Car.  
 PURDUM, W. ARTHUR, Baltimore, Md.

RAABE, R. H., MR. AND MRS., Ada, Okla.  
 RAY, JOHN B., MR. AND MRS., Abilene, Texas.  
 RAYFORD, J. J., MR. AND MRS., Hindman, Texas  
 REIF, EDWARD C., Pittsburgh, Pa.  
 RHODES, GEORGE W., Newark, Del.  
 RICHARDS, LEON W., MR. AND MRS., Missoula Mont.  
 RICHARDSON, R. N., Toronto, Canada.  
 RICHMOND, DAVE, Winnipeg, Canada.  
 RITCHIE, ALICE L., Cincinnati, Ohio.  
 RIVARD, W. HENRY, Providence, R. I.  
 RISING, L. W., MR. AND MRS., Newark, N. J.  
 ROACH, THOMAS, MR. AND MRS., Oklahoma City, Okla.  
 RODMAN, ROBERT W., MR. AND MRS., Bloomfield, N. J.  
 ROSE, I. W., Chapel Hill, N. C.  
 ROTH, H. D., Gainesville, Fla.  
 ROTH, S. V., MR. AND MRS., Toronto, Ont.  
 ROTHROCK, R. B., MR. AND MRS., Evansville, Ind  
 ROWE, L. W., MR. AND MRS., Detroit, Mich.  
 RUDD, W. F., Richmond, Va.  
 RURNZEL, HENRY G., Milwaukee, Wis.  
 RUSSELL, O. E., MR. AND MRS., Elkhart, Ind

SAWYER, JOHN R., Jamaica Plains, Mass.  
 SCHAEFER, F. C. A., MR. AND MRS., Brooklyn, N. Y.  
 SCHAEFER, HUGO H., MR. AND MRS., New York City.  
 SCHER, LEON L., MR. AND MRS., Toronto, Ont.  
 SCHICKS, GEORGE C., MR. AND MRS., Montclair, N. J.  
 SCHLICHTING, HAROLD E., Lansing, Mich.  
 SCHOETZOW, R. E., Brooklyn, N. Y.  
 SCHWARZ, A. J., Memphis, Tenn.  
 SCOTT, W. C., MR. AND MRS., Loggville, N. B.  
 SCOVILLE, W. L., MR. AND MRS., Detroit, Mich.  
 SELTZER, LEONARD A., Detroit, Mich.  
 SEURIN, R., Hot Springs, Ark.  
 SHANGROW, WM. B., Rutland, Vt.  
 SHKOLNIK, SAMUEL, Chicago, Ill.  
 SHOWS, FRANCES, Oklahoma City, Okla.  
 SHOWS, J. C., Oklahoma City, Okla.  
 SHOWS, KATHERINE, Oklahoma City, Okla.  
 SIMON, J. F., New Orleans, La.  
 SLOCUM, J. W., Indianola, Iowa.  
 SISSON, JOSEPH M., Boston, Mass.  
 SKINNER, HERBERT, London, England.  
 SMILLIE, JOHN J., Toronto, Ont.  
 SMITH, DORIS, Toronto, Canada.  
 SMITH, FRANK M., Charleston, S. C.  
 SMITH, HARVED, Toronto, Canada.  
 SNODGRASS, SUSIE, Birds Eye Centre, Canada.  
 SNOW, CLYDE M., MR. AND MRS., Chicago, Ill.  
 SONNENBURG, AMELIA S., Baltimore, Md.  
 SOUDERN, C. W., MR. AND MRS., Madison, Wis.  
 STABLE, LAIRD J. STABLER, Los Angeles, Calif.  
 STANBURY, R. B. J., Toronto, Canada.  
 STEPHENS, W. W., Toronto, Canada.  
 STEWART, O. R., Walkersville, Ont.  
 STOCKING, C. H., Ann Arbor, Mich.  
 STOFER, JULIUS, Detroit, Mich.  
 STROOP, JOHN P., MONTREAL, Canada.  
 STROUD, GERTRUDE, Pittsburgh, Pa.  
 STROUD, HARRY J., JR., Pittsburgh, Pa.  
 STROUP, FREEMAN P., Philadelphia, Pa.  
 STULLER, H., MR. AND MRS., New Haven, Conn.  
 STURGEON, W. J., MR. AND MRS., Kittanning, Pa.  
 SUGGETT, C. L., Minneapolis, Minn.  
 SUSINGEN, DEWITT C., MR. AND MRS., China Grove, N. C.  
 SWAIN, ROBERT L., Baltimore, Md.  
 SWANSON, EDWARD E., Indianapolis, Ind.  
 SWISHER, MARGARET C., Buffalo, N. Y.

TAYLOR, FRANK O., Detroit, Mich.  
 TERRY, R. E., MR. AND MRS., Elmhurst, Ill.  
 THOMPSON, M. R., MR. AND MRS., AND DAUGHTER, Catonsville, Md.  
 TUTTLE, GEORGE, MR. AND MRS., Portland, Maine.

URDY, F. J., MR. AND MRS., St. Stephens, N. B.

VILAS, FRED L., Pierre, S. Dak.  
 VOSS, EDWARD, JR., Cincinnati, Ohio.

WALKER, PERCY S., Topeka, Kans.  
 WALTER, FRANK A., San Antonio, Texas.  
 WALTON, LUCIUS L., MR. AND MRS., Williamsport, Pa.  
 WARREN, J. D., Port Dover, Canada.  
 WATSON, O. P., Toronto, Ont.  
 WEBSTER, G. L., MR. AND MRS., Chicago, Ill.  
 WEINER, LOUIS, Boston, Mass.  
 WHAU, E. D., Toronto, Canada.  
 WHEELER, C. B., Hudson, Mass.  
 WHITNEY, HARVEY A., Ann Arbor, Mich.  
 WILCOX, W. D., MR. AND MRS., Philadelphia, Pa.  
 WILHELM, GEORGE, MR. AND MRS., Newport, Ky.  
 WILSON, ROBERT C., Athens, Ga.  
 WIMMER, C. P., MR. AND MRS., New York City.  
 WIMMER, DOROTHY, New York City.  
 WINEBERG, L. E., Winnipeg, Canada.  
 WISE, JAMES W., Dover, Del.

YAMMER, HELEN B., Toronto, Canada.

ZALEWSKY, S. M., Pittsburgh, Pa.  
 ZOELLER, E. V., Tarboro, N. C.

Registration figures of the Toronto Convention are as follows: Canadian druggists, 247; American druggists, 305; manufacturers and travelers, 141; ladies (American), 164; Canadian, 230—total 1087. Attendance at entertainments showed 734 present at the Reception; 940 each at the Banquet and Moonlight-Sail and 1467 at Friday Night Carnival.

"Four Thousand Years of Pharmacy," by Charles H. LaWall, has been issued in a Japanese translation under the direction of Iwao Hino, of Ayabe, Japan, with the expert assistance of Professor Totaro Shimizu, one of the leading professional pharmacists of Japan.

Robert W. Morrison, formerly a member of the teaching staff of the University of Tennessee, has been elected Associate Professor of Pharmacology at the University of South Carolina at Columbia, S. C.

#### L. G. HEINRITZ.

L. G. Heinritz, well and favorably known pharmacist of Holyoke, Mass., and member of the AMERICAN PHARMACEUTICAL ASSOCIATION for more than a quarter of a century, died August 8th, aged 72 years. He was one of the organizers of the N. A. R. D. and a former president of Massachusetts Pharmaceutical Association; also, one of the incorporators of the American Druggists' Fire Insurance Company, of which he was vice-president.

Mrs. Heinritz died last year and the deceased is survived by two sons, Frederick J. and Stuart F.

*Other notices had to be deferred.*