

A vote of thanks was expressed to the retiring President, Julius A. Koch.

On motion the Seventy-First Annual Convention of the American Pharmaceutical Association was then adjourned. The next meeting will be held in Buffalo; the time of meeting is to be fixed by the Board of Directors.

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## COUNCIL BUSINESS

### MINUTES OF THE SECOND MEETING OF THE 1922-1923 COUNCIL.

The second meeting of the 1922-1923 Council was held at the Kenilworth Inn, Asheville, North Carolina, September 3, 1923.

The meeting was called to order at 10:00 A.M., Chairman S. L. Hilton presiding.

The following members were present: Beard, Beringer, Diner, Day, DuMez, Eberle, Godding, Hilton, Kelly, Koch, McElhenie, Rudd, Scoville and Whelpley.

On motion, duly seconded and carried, the reading of the minutes of the first meeting was dispensed with. These minutes were published in the JOURNAL shortly after the convention held in Cleveland.\*

The next order of business was the hearing of the reports of the officers and committees.

The report of the Secretary of the Council was read and approved. It follows:

#### REPORT OF THE SECRETARY OF THE COUNCIL.

##### *Members of the Council:*

The Council as constituted at present consists of forty-two members, J. Merner Noble of the St. Louis Branch having resigned and E. V. Howell of the University of North Carolina Branch having been elected since the last Council meeting.

There are now in existence twenty-seven local branches, two new branches having been established during the past year, namely, the University of North Carolina Branch, Chapel Hill, North Carolina, and the University of Washington Branch, Seattle, Washington. Of these, however, only twenty-three have notified the Secretary of the election of Council representatives.

The three members of the 1923-1924 Council elected by mail are James H. Beal, Urbana, Ill.; Charles H. LaWall, Philadelphia, Pa.; Robert P. Fischelis, Newark, N. J.

As heretofore, the business of the Council between annual meetings has been conducted by means of Council Letters issued from time to time as the occasion demanded. These have been sent to all members of the Council and abstracts thereof have been published in the JOURNAL.

During the interim between the first meeting of the Council held in Cleveland, August 18, 1922, and this, the second meeting, there were issued 17 Council Letters covering 61 pages and including 32 motions. Fourteen of these motions deal with the election of active members, a total of 645 having been elected. A synopsis of all motions is attached hereto.

A. G. DuMEZ.

##### *Synopsis of Motions.*

*Motion No. 1.* Motion to accept the resignation of Prof. Edward Kremers as a member of the Committee on Research. Carried.

*Motion No. 2.* Motion to donate a set of the Proceedings and YEAR BOOK to the Pharmaceutical Institute of the University of Dorpat. Carried.

*Motion No. 3.* Election of active members Nos. 1 to 16, inclusive. Carried.

*Motion No. 4.* Election of active members Nos. 17 to 40, inclusive. Carried.

*Motion No. 5.* Motion to table the resolutions of the Ohio State Pharmaceutical Association relative to the deletion of wines from the N. F. Carried.

*Motion No. 6.* Motion to fix the date of the annual meeting for 1923 for the week of September 3. Carried.

*Motion No. 7.* Motion to present a set of YEAR BOOKS to the Library of the Pharmaceutical Society of Great Britain. Carried.

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\* The first meeting of the 1922-1923 Council was held at the Statler Hotel, Cleveland, Ohio, August 18, 1922. See p. 845, Volume XI, JOURNAL A. PH. A.

Motion No. 8. Election of active members Nos. 41 to 68, inclusive. Carried.

Motion No. 9. Motion to adopt resolutions expressing regret for the death of Mrs. Lewis C. Hopp. Carried.

Motion No. 10. Motion to authorize the establishment of a local branch at the University of North Carolina. Carried.

Motion No. 11. Motion to elect the following honorary members of the Association: Dr. Hermann Thoms, Dr. J. Gadamer, Dr. L. Van Itallie, Prof. Emile Perrot. Carried.

Motion No. 12. Motion to approve the following budget for 1923 submitted by the Committee on Finance. Carried.

Proposed Budget of Appropriations for 1923.

Appropriations for General Expenses:

No. 1 Salaries.....	\$6400.00	
No. 2 Printing, Postage and Stationery.....	1000.00	
No. 3 Clerical Expenses Secretary's Office.....	416.00	
No. 4 Miscellaneous Expenses.....	200.00	
No. 5 Stenographers.....	350.00	
No. 6 Traveling Expenses.....	500.00	
No. 7 Committee on Membership.....	500.00	
No. 8 Committee on Unofficial Standards.....	100.00	
No. 9 Year Book.....	5000.00	
No. 10 Premium on Treasurer's Bond.....	62.50	
No. 11 Auditing Treasurer's Books.....	80.00	
No. 12 National Drug Trades Conference.....	200.00	
No. 13 Section on Scientific Papers.....	25.00	
No. 14 Section on Education and Legislation.....	25.00	
No. 15 Section on Commercial Interests.....	25.00	
No. 16 Section on Practical Pharmacy and Dispensing.....	25.00	
No. 17 Section on Historical Pharmacy.....	25.00	
No. 18 Women's Section.....	50.00	
No. 19 National Syllabus Committee.....	25.00	
No. 20 Committee on Recipe Book.....	50.00	
No. 21 Committee on Local Branches.....	25.00	
No. 22 Drug Trade Board of Public Information.....	200.00	
No. 23 House of Delegates.....	100.00	
No. 24 Committee on Headquarters Building.....	100.00	
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	\$15,483.50	\$15,483.50

Appropriations for Open Accounts:

No. 25 Journal.....	\$11,000.00	
(a) Publication.....	9,500.00	
(b) Clerical Expenses.....	1,000.00	
(c) Postage and Stationery.....	300.00	
(d) Freight, Drayage, Misc.....	200.00	
No. 26 National Formulary.....	1,000.00	
No. 27 Badges and Bars.....	50.00	
No. 28 Certificates.....	50.00	
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	\$12,100.00	12,100.00
		<hr/>
		\$27,583.50

Motion No. 13. Election of active members Nos. 69 to 108, inclusive. Carried.

Motion No. 14. Motion to approve recommendations for changes in the by-laws of the Scientific Section. Carried.

*Motion No. 15.* Motion to increase item No. 9 of the budget for 1923 to \$6000 and item No. 13 to \$50. Carried.

*Motion No. 16.* Election of active members Nos. 109 to 165, inclusive. Carried.

*Motion No. 17.* Motion to hold the first annual conference of the executive committees of the A. Ph. A. and the N. A. R. D. at Asheville. Carried.

*Motion No. 18.* Election of active members Nos. 166 to 199, inclusive. Carried.

*Motion No. 19.* Election of active members Nos. 200 to 273, inclusive. Carried.

*Motion No. 20.* Motion to appropriate \$150 to purchase a mimeograph for the Secretary of the Council. Carried.

*Motion No. 21.* Election of active members Nos. 274 to 311, inclusive. Carried.

*Motion No. 22.* Election of active members Nos. 312 to 350, inclusive. Carried.

*Motion No. 23.* Motion to name Kenilworth Inn the official headquarters for the meeting in Asheville. Carried.

*Motion No. 24.* Motion to supply the University of Strasburg with certain requested back numbers of the JOURNAL. Carried.

*Motion No. 25.* Election of active members Nos. 351 to 417, inclusive. Carried.

*Motion No. 26.* Motion to authorize the establishment of a local branch at the University of Washington. Carried.

*Motion No. 27.* Election of active members Nos. 418 to 455, inclusive. Carried.

*Motion No. 28.* Motion to approve the tentative draft of the program for the Asheville meeting submitted by the Program Committee. Carried.

*Motion No. 29.* Election of active members Nos. 456 to 507, inclusive. Carried.

*Motion No. 30.* Motion to alter the program to provide for a joint session of the Scientific Section and the Section on Practical Pharmacy and Dispensing. Carried.

*Motion No. 31.* Election of active members Nos. 508 to 530, inclusive. Carried.

*Motion No. 32.* Election of active members Nos. 531 to 645, inclusive. Carried.

The report of the Committee on Publication was read. It was moved and carried that it be received, but that the recommendation made therein relative to the monthly bibliography of pharmaceutical research published in the JOURNAL be postponed for consideration until the next meeting.

#### REPORT OF THE COMMITTEE ON PUBLICATION.

The Committee on Publication respectfully submits the following report on matters pertaining to the publications of the Association for the period January 1, 1922, to date.

*Journal:* The total expenditures incurred in the publication of the JOURNAL for 1921, including the editor's salary, were \$15,685.96 (\$11,935.96 plus \$3,750.00). The total expenditures for 1922 were \$15,532.11 (\$11,782.11 plus \$3,750.00), which represents a decrease of \$153.85.

The total receipts of the JOURNAL for advertising, reprints, etc., for 1921 were \$8,412.02. In 1922, they were \$8,553.98, an increase of \$141.96.

The net cost of the JOURNAL for 1921 was \$7,273.94. For 1922, it was \$6,978.13, a decrease of \$295.81. This decrease in net cost is to be attributed, not only to the increase in receipts, but to economic management since the volume of the JOURNAL for 1921 was only 1008 pages whereas the volume for 1922 comprised 1084 pages, which practically amounts to an additional number.

The contract for printing, binding, mailing, etc., of the JOURNAL for 1922 was again awarded to the Eschenbach Printing Company of Easton, Pennsylvania. The terms of the contract were the same as those for 1921, the cost of paper and labor having apparently reached a level which will be maintained for some time. As in previous years estimates were solicited from other firms, but none of those received were low enough to make a change advantageous.

*Journal Activities:* As in previous years, the papers read at the annual convention have been published. These were more numerous than usual so that it has been necessary to allot some space to them up to and including the last issue. In spite of this, considerable other material has been published, an attempt being made to supply the readers with information on up to date topics.

The publication of the bibliography on pharmaceutical research compiled by the Reporter on the Progress of Pharmacy has been continued up to the present time. The question might

be raised as to the advisability of continuing this work if we base the value of this material on the number of abstracts called for. For the year September 1, 1922, to September 1, 1923, only twelve abstracts were requested, while the expense incurred in compiling and publishing the material is considerable.

The department devoted to reporting matters of interest primarily to members of the American Conference of Pharmaceutical Faculties appears to have been received with favor judging from the material submitted for publication. The JOURNAL desires to be of service to all branches of pharmacy and it is pleasing, indeed, to the Committee that the JOURNAL has been able to handle this material.

*Year Book:* The contract for printing, binding and distribution of the YEAR BOOK for 1921 was awarded to the Eschenbach Printing Company of Easton, Pennsylvania. As usual estimates were asked for from the firms equipped to do the work, and as the Eschenbach Company was the lowest bidder, it was given the contract. The contract was let on January 25, 1923, and the completed book was mailed out early in June, which is considered very satisfactory. The total cost, including distribution, was \$5,068.73. The total cost of the YEAR BOOK for 1920 was \$5,947.71.

*National Formulary:* The number of copies of the National Formulary IV sold during 1922 was 4476. The stock on hand December 1, 1922, was 1325 copies. The number of copies sold in 1921 was somewhat smaller, being 3906. The total sales up to December 1, 1922, were 41,377 copies.

Details relative to the distribution of the book will be included in the Report of the General Secretary, while data pertaining to the receipts and expenditures will be reported by the Treasurer.

*Permission to Use N. F. Text:* Permission was granted to the following to use portions of the National Formulary text in the preparation of books: Prof. H. M. Faser of the University of Mississippi in the preparation of a Laboratory Manual of Pharmacy; Prof. George B. Rigg of the University of Washington in the preparation of a book entitled "A Pharmacist's Botany." A nominal fee of \$5 was charged in each case.

*Book of Unofficial Formulas:* This volume is still in the process of preparation. The present status of the work will be reported on by the Chairman of the Committee on Unofficial Formulas.

*Donations of Copies of the Proceedings, Year Book and Journal:* The Committee, on approval by the Council, directed the General Secretary to furnish copies of the Proceedings, YEAR BOOK and JOURNAL gratis to the following: (1) Full set of Proceedings and YEAR BOOKS to the Pharmaceutical Institute of the University of Dorpat. (2) Full set of Proceedings to the Library of the Pharmaceutical Society of Great Britain. (3) Certain back numbers of the JOURNAL to the University of Strasburg.

#### RECOMMENDATIONS.

1. That the Council discuss the advisability of continuing the publication of the monthly bibliography.

(Signed) Committee on Publication	{	W. L. SCOVILLE,	S. L. HILTON,
		H. M. WHELPLEY,	WM. B. DAY,
		R. A. LYMAN,	E. F. KELLY,
		E. G. EBERLE,	A. G. DUMEZ, <i>Chairman.</i>

A very complete and excellent report was read by the Editor of the JOURNAL. It was moved and carried that the report be received, that the Editor be thanked for his efforts, that the recommendations contained therein be approved, and that provision be made for the reading of the report at one of the General Sessions, preferably the second.

The report of the Reporter on the Progress of Pharmacy was read and approved.

#### REPORT OF THE EDITOR OF THE JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION.

##### *Members of the Council*

In the report submitted by the Editor last year the changes in printing costs were discussed; as these have remained about the same in 1922 as in the previous year there is no necessity for taking up that subject in this report. There was comparatively little difference in the number of copies printed in 1921 and in 1922, corresponding in a general way to the membership of the Association.

As in all business, there are two general divisions in the JOURNAL account—expenses and receipts. The status indicated would permit of the deduction that there is comparatively little difference in these divisions for the two years under comparison, and this quite closely corresponds with the records. The total expenses for the JOURNAL in 1921, not including the editor's salary, were \$11,935.95; in 1922, \$11,782.11. Clerical expenses in 1921 amounted to \$891.85; in 1922 to \$953.15; office postage in 1921, \$166.61; in 1922 to \$189.18; stationery, office supplies and other expenses not included in the foregoing office expenses, \$99.33 in 1921, and \$129.21 in 1922. Reprint costs were \$347.90 in 1921 and \$524.98 in 1922. Separating then the publication costs and all incidental expenses connected therewith we have \$10,430.25 in 1921 and \$10,053.57 in 1922. The net total expenses of 1922 were \$153.84 less than in 1921.

Considering now the receipts of the corresponding years in a somewhat similar way, we have total receipts in 1921 of \$8,412.02 and in 1922, \$8,553.98, representing a slight favorable difference of \$141.96. Of the amount received in 1921, \$7,421.92 came from advertising, \$554.61 from subscriptions, and \$706.72 from reprints, etc. 1922 shows \$7,176.50 from advertising, \$704.39 from subscriptions, and \$673.09 from reprints, etc., which includes \$200.00 towards the expenses of the Department of the American Conference of Pharmaceutical Faculties.

The favorable difference as shown by the above amounts to \$295.80, and in addition the extra number of pages printed in 1922—there was a total of 1008 pages in 1921 and 1084 in 1922, a difference of 72 pages—the cost of which can be variously estimated, probably \$500.00 would represent a conservative cost. The extra pages were necessary on account of the large number of papers presented at the Cleveland meeting.

The net cost of the JOURNAL for 1921 was \$3,523.93; for 1922, \$3,228.13, which however does not include a credit in any part from membership subscriptions. The only other source of income a publication has is from advertising. The question then of how to increase the number of pages of advertising is an important one. There are at least two ways to accomplish this: one, to increase the membership of the Association and thereby the circulation; the other is by exhibition of a more intense interest of the members in those who send their messages through the JOURNAL. Many advertisers desire to keep their names before those who use their goods or service. This is a necessary investment for them, but they are encouraged by a knowledge that the messages are read, and this requires coöperation through an exhibition of a more intense interest.

A publication with a wide circulation may have a limited number of readers and there are possibilities, in fact, actualities that there are publications with very limited circulation that are successful in producing results for the advertiser. With us it is the group advertising idea in which confidence has a large part, and the purpose of a larger income is to give larger service—"to carry on."

Circulation is one of the big factors in producing business for a publication, another is the subject matter of the text; the latter should have first place, because it adds not only to the number of subscriptions and membership in our case, but interests the advertiser because he often profits directly by the information in the reading pages as well as by enlisting patronage through his messages in the advertising section.

The Association is conscious of its obligation to promote pharmacy and not unmindful of its duty to better the condition of every one engaged therein, to subserve their interests, aid in their protection, provide just regulations and impress the necessity of proper business management. Doubtless, along some of these latter lines, the services of the JOURNAL will be gradually extended in order to fulfill its mission in serving all divisions of pharmacy and drug activities.

Circulation is a power in securing advertising business. In a publication like ours there must be compatibility in the purposes of the Association and the goods advertised.

A subscription price is more or less artificial—all of us have become accustomed, knowingly or unknowingly, to have advertisers pay part of the subscription price of a magazine. The price is also based on those served and the number of related periodicals in the field. A certain number read publications, others do not or only semi-occasionally, even though they subscribe to them by Association membership or otherwise. This is true to a varying extent in all lines and you are acquainted with members of associations who do not read the literature by these organizations but they continue their association membership because they must retain that—it is part of their living, their interest in the profession, etc. If our Association membership can be made as valuable as that we will secure the circulation desired.

Probably as a subscription price that of the JOURNAL may be high enough, but when considered with the YEAR BOOK and the service of the Association, it is far too low. It is not my purpose to discuss the service of the Association—one can only surmise where American Pharmacy would have been without the Association, and more particularly during recent years when its precepts and the examples of its members have served for greatest good.

It may be unbecoming to speak of the matter contained in the reading pages of the JOURNAL but we can have justifiable pride in the standing of American Pharmacy. A more comprehensive service of the Association should bring into closer relation, by the contact of the official organ, a greater numerical force.

The JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION is largely the product of its members, and those who participate in the annual meetings are more than contributors—they are directors who express more forcibly than words can their opinion relative to the matter that shall go into the JOURNAL. The text matter is not limited to the papers of the annual meeting, for more and more research workers in pharmacy favor the JOURNAL with reports, and the same may be said for other departments—contributions relating the practical pharmacy and subjects concerned with the business side are fairly well proportioned in the test of the monthly issues. The Department of the American Conference of Pharmaceutical Faculties keeps pharmacists in touch with the activities of the institutions that serve them, sharing in the efforts for developing pharmacy.

It is, perhaps, needless to dwell upon the aims and purposes of the American Pharmaceutical Association, under whose guiding influence research has been fostered during more than seventy years—younger pharmacists have been inspired by the ideals of their predecessors and are adding to the sum of knowledge for present application and future investigations. We are probably all agreed that the scientific side of pharmacy must be kept uppermost, but the other divisions that contribute to its opportunities and possibilities are essential to the service that pharmacy is expected to render. We look forward to a more comprehensive service for the Association and its JOURNAL, and this will be responsive to the expressed wishes and desires of the members who after all must direct and indicate by their discussions and their contributions to the proceedings of the annual conventions how they can best be served. Such decisions must and will guide the Publication Committee and Editor. Guidance may be placed in the hands of a few, but numerical strength is a measure of importance, and coordinated well-directed efforts limited to purposes that can and should be carried into effect will pave the way for further accomplishments.

The Editor desires to thank our fellow-member, Robert P. Fischelis, for his valuable assistance by contributing the articles in the Department of the "Business Side of Pharmacy." He is appreciative of the helpful cooperation of the Reporter on the Progress of Pharmacy, and also that of the Editor of the "Department of the American Conference of Pharmaceutical Faculties." From September 1922 to August 1923, inclusive, the former department has occupied 70 pages and the latter 57.

The procedure of accounting has been the same as that in preceding years. Monthly reports are made to the Publication Committee, the bills and vouchers pass through the hands of the General Secretary, and remittances are made to the Treasurer. Copies of all of these are made part of this report, also itemized accounts of receipts and expenses and in tabulated form for the information of the Publication Committee. The Editor has also been pleased to make out a tabulated account of publication costs for the convenience of the Chairman of the House of Delegates, and copies were sent to all members of the Publication Committee. Comparisons of the net JOURNAL costs were made with other publications and the showing is very favorable, the number of copies in each instance, however, being very much larger than of the JOURNAL.

Again I express my deep appreciation of the confidence and favor bestowed by the members of the Association, and thanking you, and through you the membership,

Respectfully submitted,

E. G. EBERLE, *Editor*.

#### REPORT OF THE REPORTER ON THE PROGRESS OF PHARMACY.

The Reporter on the Progress of Pharmacy respectfully submits the following report:

The present incumbent took over the duties of his office on October 1, 1922, his first act being the compilation of the monthly bibliography for the month of November. A similar bib-

liography has been prepared for each succeeding month. As to the value of this work, or the degree to which it is appreciated, there is no means of judging. However, the fact that only twelve abstracts were called for may be taken as significant in this connection. Ten of these abstracts were prepared for the Vick Chemical Company of Greensboro, North Carolina, and two for Dr. I. J. K. Golden of the Post Graduate College of Medicine of Chicago, Illinois. The sum of \$12 was collected, \$7 of which was paid to abstractors and the remaining \$5 of which your Reporter has in his possession. This will be disposed of as you may direct.

On October 10, 1922, the material for the 1921 YEAR BOOK was received. This was classified and edited and converted into manuscript for the printer as rapidly as possible. The completed manuscript was forwarded to the printer on February 16, 1923, and the printed volume was ready for distribution early in June. Pains were taken to make the volume as nearly perfect as possible and it is hoped that it meets with your approval.

Preparations for getting out the 1922 YEAR BOOK were begun in the latter part of 1922, but the work has not progressed as rapidly as was expected. There are still some abstracts which must be prepared before the work of compiling and editing can be begun. Considerable difficulty was experienced in securing collaborators who were willing to abstract articles published in foreign languages, and for this reason it is hoped that those who are able to translate German and French, particularly, will make the fact known and volunteer their services. Several of those who agreed to assist in the work were forced to decline at the last moment for unavoidable reasons. In spite of these setbacks, however, there is little doubt but that the manuscript will be ready for the printer by the first of the year. Those who have collaborated in the work thus far have rendered most satisfactory service, and this opportunity is taken to thank them heartily.

A. G. DuMEZ

The chairmen of the committees on Finance, Invested and Trust Funds, and Centennial Fund, respectively, stated that they had no reports to make. These statements were received as reports and ordered to be spread upon the minutes.

Applicants Nos. 661 to 1021, inclusive, were elected to active membership in the Association.

Prof. H. M. Whelpley called attention to the fact that four years hence, the Association would have its seventy-fifth anniversary. He, therefore moved that the Council call the attention of the Section on Historical Pharmacy to this fact in order that it might begin to make suitable preparation for the event. The motion was seconded and carried.

It was then moved and carried that the Chairman of the Council appoint a committee of five to take up this matter with a view to the preparation of a program for the celebration of the occasion.

The meeting adjourned at 11:00 A.M.

A. G. DuMEZ, *Secretary*.

#### MINUTES OF THE THIRD MEETING OF THE 1922-1923 COUNCIL.

The third meeting of the 1922-1923 Council was held at the Kenilworth Inn, Asheville, North Carolina, September 3, 1923.

The meeting was called to order at 8:00 P.M., Chairman S. L. Hilton presiding.

The following members were present: Beard, Beringer, Bibbins, Chase, Diner, Day, DuMez, Eberle, Eddy, Godding, Hilton, Hopp, Kebler, Kelly, Koch, McElhenie, Scoville and Snow.

The minutes of the second meeting were read and approved.

The Chairman then announced the appointment of the following members to serve on the committee to begin making preparations for the celebration of the seventy-fifth anniversary of the Association: George M. Beringer, W. F. Rudd, Jacob Diner, A. G. DuMez, H. M. Whelpley, *Chairman*.

The recommendation made by the Committee on Publication that the Council consider the advisability of continuing the publication of the monthly bibliography was taken up for discussion. The opinion that the publication should be continued appeared to be unanimous. It was, therefore, moved and carried that the publication of the monthly bibliography be continued.

Applicants Nos. 1022 to 1032 were elected to active membership in the Association.

The Chairman of the Committee on Proprietary Medicines reported that he had been unable to get in touch with the members of his committee and, therefore, had no report to make.

The amendments to the Constitution and By-Laws recommended for approval by the Executive Committee were taken up for consideration. (The amendments to the Constitution and By-laws as finally adopted are printed on pp. x *et seq.* in this number of the JOURNAL. These are part of the transactions of the Council and of the General Sessions, and this printing with this reference may suffice for Council Minutes. The Constitution and By-laws will also be printed in complete form in the next volume of the YEAR BOOK, A. Ph. A.)

It was moved and carried that the whole be approved as amended.

It was moved and carried that the matter of financing the new organization be made a special order of business at the next meeting.

The meeting adjourned at 10:30 P.M.

A. G. DuMEZ, *Secretary.*

#### MINUTES OF THE FOURTH MEETING OF THE 1922-1923 COUNCIL.

The fourth meeting of the Council was held at the Kenilworth Inn, Asheville, North Carolina, September 5, 1923.

The meeting was called to order at 8:00 P.M., Chairman S. L. Hilton presiding.

The following members were present: Bibbins, Chase, Diner, DuMez, Dye, Eberle, Eddy, Gidley, Hilton, Kebler, Kelly, Koch, Lyman, Rudd, Scoville and Whelpley.

The minutes of the third meeting were read and approved.

The report of the joint meeting of the executive committees of the National Association of Retail Druggists and the American Pharmaceutical Association was read by the Secretary of the Council and approved. The report follows:

#### JOINT MEETING OF THE EXECUTIVE COMMITTEES OF THE A. PH. A. AND THE N. A. R. D.

A joint meeting of the executive committees of the A. Ph. A. and the N. A. R. D. was held at the Kenilworth Inn, Asheville, N. C., on September 4, 1923.

The meeting was called to order at 4:00 P.M., Chairman Hilton of the Executive Committee of the A. Ph. A. presiding.

The following were present: Messrs. Henry, Hunsberger, Finneran, Gladding, Huhn, Possehl and Webster of the Executive Committee of the N. A. R. D. and Messrs. Hilton, Kelly, Day, DuMez, Rudd, Koch and Diner of the Executive Committee of the A. Ph. A.

The meeting was opened with a brief talk by Chairman Hilton in which he complimented the members of the two committees in being so ready to cooperate with one another, pointed out some of possible benefits to be derived from such cooperation, and prophesied that much good would come therefrom.

The Secretary was then requested to read that portion of the minutes of the last meeting of the Executive Committee of the A. Ph. A. in which the recommendation was made that the possibility of the N. A. R. D. and the A. Ph. A. charging a joint membership fee be made a special order of business at this joint meeting. The discussion which followed was opened by Dr. Diner and continued by Mr. Finneran, Prof. Kelly and Mr. Henry. The conclusion reached was that, while such a plan might be desirable, it appeared to be impossible to put it into operation at this time because of the lack of the necessary detailed information on the effect of such a joint fee on the finances of the two organizations and because of the practical difficulties which would be encountered in increasing the membership in the two associations to the point where the joint fee could be made low enough to be attractive. The opinion appeared to be general that the discussion had opened new avenues of thought which might lead to something more definite at some future time.

Mr. Finneran then brought up for discussion the subject of drug store ownership legislation, expressing the opinion that this was a subject upon which a definite decision might be reached to-day. The discussion which followed indicated a unanimous opinion to the effect that both associations should support legislation of this nature.

It was finally moved by Dr. Diner, seconded by Mr. Huhn, that it be the sense of this meeting that a bill of this nature be introduced in every state, that the two associations back it with their moral and physical support, that suitable resolutions to this effect be drafted by the secretaries of the N. A. R. D. and the A. Ph. A. and that these resolutions be brought before the two associations through the proper channels. The motion carried.

The proposition to restrict the sale of medicines to drug stores as brought out by attempted



legislation along this line in several of the states during the past year was called attention to by Prof. Kelly. After some discussion, it was concluded that this kind of legislation did not appear to be in the interest of the public welfare and was, therefore, not likely to meet with success.

As a conclusion to the discussion of legislative matters, it was moved and carried that the legislative committees of the two associations be recommended to act jointly in legislative matters in the future.

Coöperation of the N. A. R. D. and the A. Ph. A. in U. S. P. and N. F. propoganda was thought to be desirable by Mr. Huhn. This was discussed by Mr. Finneran, Prof. Day, Mr. Webster, Dr. Diner and Mr. Hunsberger. It was finally moved by Mr. Webster, seconded by Dr. Diner, that the Section on Practical Pharmacy and Dispensing of the A. Ph. A. be requested to coöperate with the Committee on U. S. P. and N. F. Propaganda of the N. A. R. D. in any action which it may take looking to the furtherance of this propoganda. The motion carried.

It was moved and carried that the secretaries of the N. A. R. D. and the A. Ph. A. arrange for another joint meeting of these two committees at this time if it appeared to be desirable.

The meeting adjourned at 6:30 P.M.

A. G. DuMEZ, *Secretary.*

It was moved and carried that the Secretary of the United States Treasury be memorialized to the effect that the "Digest of Comments on the United States Pharmacopœia and the National Formulary" issued as a bulletin of the Hygienic Laboratory of the United States Public Health Service is of the utmost importance and value to pharmacy and medicine and that an adequate staff should be employed to bring this work up to date and to maintain it in that condition in order that it may be of the greatest usefulness.

Applicants Nos. 1033 to 1055 were elected to active membership in the Association.

It was moved and carried that the report of the second meeting of the Executive Committee of the Council held on September 4, 1923, be approved. This report is as follows:

#### REPORT OF THE SECOND MEETING OF THE EXECUTIVE COMMITTEE OF THE COUNCIL.

The second meeting of the Executive Committee of the 1922-1923 Council was held at the Kenilworth Inn, Asheville, North Carolina, September 4, 1923.

The meeting was called to order at 11:15 P.M., Chairman Hilton presiding.

The following members were present: Day, Diner, DuMez, Hilton, Kelly, Koch and Rudd.

It was moved by Diner, seconded by Rudd, that the words "also an Honorary President" be stricken from Article III of the Constitution as amended by the Council at its third meeting. The motion carried.

The meeting adjourned at 11:30 P.M.

A. G. DuMEZ, *Secretary.*

At the third meeting of the Council held on September 4, 1923, it was directed that the matter of financing the Association under the improved plan of organization be made the special order of business at the next meeting. This matter was, therefore, brought up for consideration. After some discussion it was decided that this was a matter which should be entrusted to the Board of Directors which will come into being as soon as plan is made operative.

The meeting adjourned at 8:30 P.M.

A. G. DuMEZ, *Secretary.*

#### MINUTES OF THE FIFTH MEETING OF THE 1922-1923 COUNCIL.

The fifth meeting of the 1922-1923 Council was held at the Kenilworth Inn, Asheville, North Carolina, September 6, 1923.

The meeting was called to order at 8:50 P.M., Chairman S. L. Hilton presiding.

The following members were present: Beringer, Bibbins, Day, DuMez, Eberle, Eddy, Hilton, Hopp, Howell, Kebler, Kelly, Koch.

The minutes of the fourth meeting of the Council were read and approved.

Applicants Nos. 1056 to 1067, inclusive, were elected to active membership in the Association.

The report of the American Pharmaceutical Research Committee was read by the chairman of the committee. It was moved and carried that the report be received, that the resolutions contained therein be adopted, and that the necessary appropriation be made. The report follows:

## AMERICAN PHARMACEUTICAL ASSOCIATION COMMITTEE ON RESEARCH 1922-23.

Your Committee transacted business during the year by means of three bulletins covering twenty typewritten pages, and it also held a meeting at the Kenilworth Inn on September 5th, at which the following members were present: Messrs. Viehoever, Koch, Beringer, Scoville, Whelpley, Beal, Army and LaWall.

Your Committee decided that a proposal to devote the research grant of 1923-24 to the study of ampuls was not advisable. It then considered six applications for grants from the A. Ph. A. Research Fund and decided to recommend to the Council and to the General Session that the following awards be made for 1923-24:

To Edward Kremers and K. H. Rang of the University of Wisconsin for work on decolorized tincture of iodine and such other National Formulary problems as time may permit, \$250.00.

To W. J. McGill of the University of Michigan for research in electrometric and other physical chemical methods of alkaloidal determination, \$200.00.

Your Committee is glad to report that there will be presented at this year's meeting of our Association papers covering the work performed by Drs. Macht and Schneider under grants awarded last year.

At the Cleveland meeting the 1922 report of the Committee on Patents and Trade Marks was referred to your Research Committee for study. The salient point of that report, published in the A. PH. A. JOURNAL of February 1923, p. 177, was a set of resolutions commending the proposition that the present methods of patents and trade marks on medicinal substances be disapproved, that patents on processes be approved, and that such patents on medicinal products be operated by licensing competing manufacturers upon a royalty basis. Your Research Committee went on record endorsing the principles set forth in the resolutions.

Your Committee begs to call the attention of the Council to the fact that the terms of H. V. Army and C. H. LaWall expire this year and that the election of their successors to serve until 1928 is in order.

While not strictly germane to the business of your Research Committee, it seems appropriate to append to this report the report of the A. PH. A. delegates to the second annual meeting of the National Conference of Pharmaceutical Research held at Kenilworth Inn on September 1st.

Respectfully submitted,

H. V. ARMY,	C. H. LAWALL,
A. VIEHOEVER,	H. M. WHELPLEY,
J. A. KOCH,	G. D. BEAL,
G. M. BERINGER,	W. L. SCOVILLE.

## ABSTRACT OF MINUTES, SECOND ANNUAL MEETING, NATIONAL CONFERENCE OF PHARMACEUTICAL RESEARCH.

September 1, 1923.

The meeting was called to order by Acting Chairman Army at 2: 15 P.M., and roll call by Acting Secretary Viehoever showed the following delegates present:

*From Member Organizations.*

American Conference of Pharmaceutical Faculties—E. L. Newcomb and J. Diner.  
 American Drug Manufacturers Association—J. P. Snyder and A. R. L. Dohme.  
 American Pharmaceutical Association—H. V. Army and W. L. Scoville.  
 American Pharmaceutical Manufacturers Association—No delegates present.  
 National Association of Retail Druggists—J. H. Webster, Ambrose Hunsberger, C. H. Huhn.

Bureau of Chemistry, U. S. Department of Agriculture—A. Viehoever.  
 U. S. P. Revision Committee—C. H. LaWall and E. F. Cook.

*"Observers" from Other Associations.*

American Chemical Society—R. P. Fischelis; National Association of Boards of Pharmacy—L. L. Walton; National Formulary Revision Committee—W. L. Scoville; Proprietary Association—C. J. Baillet; Committee on Pharmacognosy, National Research Council—E. L. Newcomb and A. Viehoever.

Guests.—J. A. Koch, E. F. Kelly, P. H. Utech.

After reading abstract of minutes of the Cleveland meeting of 1922, and some discussion of the constitution and by-laws found therein, a new by-law (No. 5) was adopted by unanimous vote. The by-law reads:

“5. In the absence of the delegate, an associate may cast the vote of the Association in place of the delegate.”

As some parts of the constitution did not seem clear to the delegates, the Chairman was directed to appoint a committee on constitution and by-laws to report at the 1924 meeting such amendments as were deemed advisable.

Permanent organization was then effected by the election of the following officers for 1923-24:

- Chairman, H. V. Army of New York.
- Vice-Chairman, J. H. Webster of Detroit.
- Secretary-Treasurer, A. Viehoever of Washington.

A discussion of allotment of work lead to the authorization of the creation of the ten committees mentioned below:

SUBJECT.	CONSISTING OF REPRESENTATIVES FROM
Dispensing Pharmacy	A. Ph. A., A. C. P. F., N. A. R. D.
Manufacture of U. S. P. and N. F. Galenicals	U. S. P. Revision Committee
	N. F. Revision Committee
	A. Ph. A., N. A. R. D.
Standardization of U. S. P. and N. F. Galenicals	A. D. M. A., A. P. M. A.
	U. S. P. Revision Committee
	N. F. Revision Committee
	N. A. R. D.
Manufacture of Medicinal Chemicals	A. Ph. A., A. C. P. F.
	Committee on Pharmaceutical Chemicals
	National Research Council
	U. S. P. Revision Committee
	N. F. Revision Committee
Sources and Identification of Botanic Drugs	Bureau of Chemistry, U. S. Department of Agriculture
	A. Ph. A., A. C. S., A. D. M. A.
	Committee on Pharmacognosy
	National Research Council
	Bureau of Chemistry, U. S. Dept. of Agriculture
	U. S. P. Revision Committee
Standardization of Botanic Drugs	N. F. Revision Committee
	American Pharmaceutical Association
	Plant Laboratory Seminar Group
	Bureau of Chemistry, U. S. Dept. of Agriculture
	U. S. P. Revision Committee
	N. F. Revision Committee
	A. D. M. A.
A. Ph. A., A. C. P. F., A. D. M. A.	
Chemistry of Drug Plants	Plant Laboratory Seminar Group
	Commission on Pharmacognosy
	National Research Council
	A. D. M. A., A. Ph. A.
	Bureau of Chemistry, U. S. Dept. of Agriculture

Biological Products	} A. D. M. A., A. C. S. } U. S. P., Revision Committee } Bureau of Chemistry, U. S. Dept. of Agriculture	
Business Research in Pharmacy		N. A. R. D., N. A. B. P., A. Ph. A., A. C. P. F.

NOTE.—Other organizations as they may become members will be assigned positions on appropriate committees.

A motion passed by unanimous vote requested the Secretary to compile a list of pharmaceutical research workers, and the work they are now or are about to perform; such list to be compiled from data obtained from the representatives of our member organizations or other interested bodies.

A motion passed by unanimous vote requested Mr. Webster of the N. A. R. D. to compile statistics collected by that organization in its U. S. P. and N. F. Propaganda.

Discussion of Principle 5, of the objects of the Research Conference; "and in the preparation of a list of pharmaceutical research problems now needing solution," resulted in a motion passed by unanimous vote, directing the Executive Committee to compile such a list of problems.

A number of specific suggestions as to work were considered by the Research Conference and referred to the appropriate committee found in the list of committees given above.

#### COMMENTS.

The foregoing abstract of minutes shows that the National Conference on Pharmaceutical Research is now well organized, and that ten committees are designated to perform active work during the coming year. This being the case, it behooves each member organization to renew its affiliation with the Research Conference by appropriating \$20.00 for dues for the year 1923-24.

*Resolved*, that this organization reaffiliate with the National Conference on Pharmaceutical Research.

*Resolved*, that \$20.00 be appropriated to pay the dues for 1923-24.

The matter of patenting mixtures was brought up by Dr. L. F. Kebler as being an objectionable practice. The subject was discussed by Messrs. Army and Hilton. It was finally decided that it was not desirable to take definite action on the matter at this time.

On recommendation of Secretary Day, it was moved and carried that an additional appropriation of \$1000 be made to defray expenses incurred by the Committee on Membership.

It was moved and carried that an additional appropriation of \$250 be made to pay the expenses incurred in getting out the 1921 YEAR BOOK.

It was moved and carried that a special appropriation of \$100 be made for the Section on Historical Pharmacy to carry on the work now under way in the preparation of a history of American pharmacy.

The meeting adjourned at 9:10 P.M.

A. G. DuMEZ, *Secretary*.

#### MINUTES OF THE SIXTH MEETING OF THE 1922-1923 COUNCIL.

The sixth meeting of the 1922-1923 Council was held at the Kenilworth Inn, Asheville, North Carolina, September 7, 1923.

The meeting was opened at 2:15 P.M., Chairman S. L. Hilton presiding.

The following members were present: Beard, Beringer, Bibbins, Chase, Day, DuMez, Dye, Eberle, Eddy, Godding, Hilton, Kebler, Lyman, Scoville, Snow and Whelpley.

The minutes of the fifth meeting were read and approved.

Applicants Nos. 1068 to 1084, inclusive, were elected to active membership in the Association.

On recommendation of the Scientific Section, it was moved and carried that an offer be made to Dr. Venable to pay the expenses of his trip to Asheville made for the purpose of delivering his special lecture on radio.

It was moved and carried that an appropriation of \$10 be made to continue the membership of the Association in the American Metric Association.

The meeting adjourned at 2:40 P.M.

A. G. DuMEZ, *Secretary*.

## REPORT OF THE FAIRCHILD SCHOLARSHIP COMMITTEE.

To the Joint Meeting of

The American Conference of Pharmaceutical Faculties,

The National Association of Boards of Pharmacy,

The Section on Education and Legislation A. Ph. A.

Asheville meeting 1923:

The Fairchild Scholarship Committee is composed of the President of the American Pharmaceutical Association, the President of the American Conference of Pharmaceutical Faculties, the President of the National Association of Boards of Pharmacy; the Editor of the JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION is the Chairman of the Committee. In providing for this scholarship Mr. Samuel W. Fairchild asked that the Committee be so constituted.

At the joint meeting in Cleveland the bodies here represented voted as follows: that candidates for the Fairchild Scholarship should have just completed their first year in a school or college of pharmacy, a member of the American Conference of Pharmaceutical Faculties; a candidate should have successfully completed a four-year high school course and no additional training or education shall debar him from admission to examination, the purpose of candidates being to continue the study of pharmacy; the questions asked of candidates shall be based on first year of Pharmaceutical Syllabus. Provision was made that the examination for the Fairchild Scholarship shall be held on the second Monday of June in each year and if deemed advisable the examination will be extended over two days instead of completing the work in one day.

The other rules adopted heretofore were also made part of the instructions to the Fairchild Scholarship Committee; hence there was no preliminary work for the Committee to do and the Chairman under instructions from the Committee sent out letters in due time asking for information relative to the schools that would have a candidate or candidates, also requesting the schools not having candidates to make such report.

After securing the information relative to the number of candidates, the Chairman was instructed to ask cooperation in preparing the examination questions. The following assisted in this work: Louis Emanuel of the Pennsylvania Board of Pharmacy, H. C. Christensen, Secretary of the National Association of Boards of Pharmacy, Prof. Henry E. Kalusowski, Dean of George Washington University National College of Pharmacy, Washington, D. C., Prof. Gordon A. Bergy, Dean of the Dept. of Pharmacy, School of Medicine, Morgantown, W. Va., Dean C. W. Johnson, Dr. E. V. Lynn, Dr. H. A. Langenhan, Prof. F. J. Goodrich and Dr. George B. Rigg of the University of Washington College of Pharmacy, Seattle, to whom the thanks of the Committee are due and extended.

The Chairman of the Fairchild Scholarship Committee was instructed by the members of the committee to arrange a set of questions based on those submitted.

The questions were sent by registered mail to the schools that had signified they would have a candidate or candidates for the Fairchild Scholarship examination. After the examinations were concluded the questions with answers were sent by registered mail to the Chairman. In each case there was a request for return receipt. The questions and answers without any names or marks that might indicate the schools or candidates were sent to Dean Theodore J. Bradley who kindly offered with the assistance of the members of the faculty to grade the answers. Those who aided Dean Bradley in this work were: Professors Leon A. Thompson, Floren M. Amrhein, and Herbert A. Bowman, and the committee thanks them for their cooperation.

Sixteen schools were represented in the examination by twenty-four candidates. This shows a growing interest in the scholarship.

Eleven of the candidates averaged 80 or over in the examinations and the records of these are herewith submitted:\*

The average grade of the 24 candidates in Pharmacy was 80; the lowest 40, the highest 93. The average grade in Pharmaceutical Arithmetic was 81; the lowest was 40, the highest 98. The average grade in Botany, etc., was 70; the lowest was 53, the highest, 97. The average grade in Chemistry was 71.5; the lowest was 29, the highest was 92. The general average was 76; the lowest was 46, the highest 88.75. The highest records are as follows: Arithmetic, 98; Botany,

\* The figure following percentage in tabulation on next page designates rank in the respective branch; where two students tied the figures so indicate.

	Pharmacy.	Arithmetic.	Botany, etc.	Chemistry.	Average.
1	87-5	97-2	79-4	92-1	88.75-1
2	88-4	97-2	74-7	89-2	87.00-2
3	89-3	85-10	97-1	75-7	86.50-3
4	87-5	98-1	76-5	84-5	86.25-4
5	88-4	93-5	75-6	86-4	85.50-5
6	91-2	91-7	86-2	71-9	84.75-6
7	93-1	85-10	72-9	86-4	84.00-7
8	87-5	92-6	73-8	83-6	83.75-8
9	88-4	77-12	86-2	83-6	83.50-9
10	83-8	95-3	84-3	67-11	82.25-10
11	84-7	87-9	79-4	70-10	80.00-11

etc., 97; Pharmacy, 93; Chemistry, 92. The lowest records are represented by the following percentages: Chemistry, 29; Pharmacy, 40; Arithmetic, 40; Botany, etc., 53.

In Pharmacy 18 made an average of 75 or over; in Arithmetic 19, in Botany, etc., 10, and in Chemistry 11.

The candidate making the highest average, namely 88.75, was first in Chemistry, he tied in Arithmetic with the second candidate, was fourth in Botany, etc., and fifth in Pharmacy. The second candidate did not rank first in any branch but he was second in Arithmetic and Chemistry, in Pharmacy he was fourth and in Botany seventh. The third candidate was first in Botany, etc., third in Pharmacy, seventh in Chemistry, and tenth in Arithmetic. The fourth candidate was first in Arithmetic but fifth in all of the other branches.

Analyzing it in another way the candidate who was first in Pharmacy was fourth in Chemistry, ninth in Botany and tenth in Arithmetic. The candidate who was first in Arithmetic was fifth in the other three branches. The candidate who was first in Botany was third in Pharmacy, seventh in Chemistry and tenth in Arithmetic. The candidate who was first in Chemistry made the highest general average, he was second in Arithmetic, fourth in Botany and fifth in Pharmacy.

The results of the examination were quite satisfactory—there were no extremes as in former examinations.

The candidate making the highest average is Mr. Charles B. Gillespie of Afton, Okla. He attended two semesters and no summer sessions in the School of Pharmacy, University of Oklahoma.

Respectfully submitted,

(Signed) { JULIUS A. KOCH, *President, American Pharmaceutical Association.*  
 CHARLES H. LAWALL, *President, American Conference of Pharmaceutical Faculties.*  
 EDWARD H. WALSDORF, *President, National Association of Boards of Pharmacy.*  
 E. G. EBERLE, *Editor, JOURNAL A. PH. A., Chairman.*

#### CHARLES BRYAN GILLESPIE.

Charles B. Gillespie, winner of the Fairchild Scholarship for 1923, was born at South Coffeyville, Kansas, June 16, 1897. When he was two years old his parents moved to Afton, Okla., where Charles graduated from high school in 1918; he was president of his class, as sophomore, junior and senior and, before entering high school, president of the eighth grade class. The young man worked in a drug store during spare hours, while attending school, and during the summer months he was employed as clerk in the freight and express office of his home town. Later he became a railroad employee and, thereafter, worked for the Empire Gas and Fuel Company at Bartlesville, Okla.

Mr. Gillespie earned his board during the school year by soliciting patrons for a boarding house in Norman, where the University is located; at present he is engaged as bookkeeper by the Long Bell Lumber Company at Norman. The winner of the Fairchild Scholarship played football, basketball and baseball on the regular teams, for three years, while in high school; he made his letter in freshman football at the University last year and was captain of the basketball team. His grades throughout the first and second semesters at the School of Pharmacy were A in all branches with the exception of three in which he made A-.

Mr. Gillespie was married June 20, 1920; his wife is a teacher in one of the Bartlesville schools, but expects to be at the University, in Norman, this fall.

SUMMARY OF THE PROCEEDINGS OF THE 1923 MEETING,  
AMERICAN CONFERENCE OF PHARMACEUTICAL FACULTIES.

BY ZADA M. COOPER, SECRETARY.

The twenty-fourth annual meeting of the American Conference of Pharmaceutical Faculties was held at Kenilworth Inn, Asheville, N. C., on September 3-4, 1923. Delegates were present from forty-four member colleges representing thirty-eight states. President Charles H. LaWall presided at all the sessions.

In his address, President LaWall made a number of recommendations. He directed attention to the fact that "incorporation as required by our initial statement of eligibility is no guaranty against the running of a school for private gain" and his recommendation, "that the proper steps be taken to purge our membership of any such schools," was referred to the Executive Committee. Because "pharmacy is being degraded in some sections of the country by the entrance of those who are unworthy" he recommended that, "beginning with 1924, every student entrant into a Conference school be required to sign a pledge agreeing to conform to the principles of pharmaceutical ethics as adopted by the American Pharmaceutical Association." This recommendation was adopted. His third recommendation was that "the degree of pharmaceutical chemist be adopted officially for the graduates of the three-year course." The Conference voted to refer the question of the type of degree to be conferred to a special committee or to the appropriate standing committee to report at the next meeting. Recommendation No. 4 was that "beginning with 1925, when the three-year minimum course is initiated, the Conference schools require a minimum of five days' work a week of not less than thirty hours of instruction in each week, the length of the course remaining thirty-two weeks as at present." The Committee on the President's address offered instead the following recommendation and it was adopted: "that the minimum number of hours be increased to twenty-four hours per week or seven hundred and twenty hours per school year of thirty weeks, this being in proportion to the present increase from twelve hundred hours, the Syllabus minimum, to fifteen hundred hours, for two years." In submitting the recommendation the Chairman of the Committee said, "We feel that this schedule cannot be satisfactorily carried out in three days per week." The fifth recommendation was "that a special committee be appointed, to report at the 1924 meeting, to plan for the introduction of a certain number of credits into the course which shall be of cultural rather than professional or vocational value." It was voted to refer this to the Committee on Higher Educational Standards and the Committee on Relations of Pharmacy Schools to other Professional Schools. The sixth recommendation, "that a by-law be drafted and adopted providing for the suspension of any member school which fails to conform to any one of the following qualifications for membership: requirements for admission, number of hours of instruction, length of course or degrees given," was adopted. No. 7 recommended the simplification of the standing committee list and it was adopted. The eighth and ninth recommendations had to do with the use of registered mail for the most important communications and it was decided to require this for the sending out of enrollment blanks.

The report of the Secretary-Treasurer, Zada M. Cooper, showed that fifty colleges are members of the Conference and that the balance in the treasury is \$815.25.

Reports of standing committees and special committees were received. The Committee on Higher Educational Standards, of which D. B. R. Johnson was Chairman, submitted a schedule for the grading of schools of pharmacy and the report was adopted. Inspection and classification of the schools is to be in the hands of a committee of seven, three appointed by the N. A. B. P., two by the A. Ph. A., two by the A. C. P. F.

The Committee on Curriculum and Teaching Methods, W. J. Teeters, Chairman, presented an outline for a four-year course leading to the degree of Bachelor of Science in Pharmacy. It is a course comparable with that of any other leading to a Bachelor's degree and includes the pre-medical subjects prescribed by the American Medical Association.

At the third session, the Conference was addressed by Dr. H. W. Chase, President of the University of North Carolina.

The following papers were presented: "Chemical Education in Pharmacy Schools" by John C. Krantz and "Laboratory Management" by Leon M. Monell.

The following officers were elected:

President—Charles W. Johnson, Seattle, Wash.

Vice-President—Edward V. Howell, Chapel Hill, N. C.

Secretary-Treasurer—Zada M. Cooper, Iowa City, Iowa.

Members of Executive Committee, Charles B. Jordan, Chairman, Lafayette, Ind.; Edward H. Kraus, Ann Arbor, Mich., and H. M. Faser, Oxford, Miss. (Other members of the Executive Committee are Wortley F. Rudd, Richmond, Va., and Julius A. Koch, Pittsburgh, Pa.)

Member of the Syllabus Committee, Frederick W. Wulling, Minneapolis, Minn.

At the joint session of the Conference with the National Association of Boards of Pharmacy the following subjects were discussed:

- (1) Importance of standardization of board examinations, also of school courses.
- (2) The Schools of Pharmacy graded as "Recognized" should give courses that are fairly uniform quantitatively, though not necessarily exactly alike.
- (3) The graduate of a "Recognized School of Pharmacy" should be reasonably certain of passing his State Board Examination.
- (4) Is it desirable to increase the entrance requirements of the schools (and therefore for admission to licensing examination) beyond the Conference requirement of graduation from a four-year high-school course?
- (5) Discussion to formulate standards for classification of all Colleges of Pharmacy. Should not this be undertaken by the N. A. B. P.?
- (6) Practical Experience requirement of the Proposed Model Pharmacy Law, which specifies four years of practical experience and provides for possible credits for college work up to, but never exceeding, three of the required four years.

In connection with number five an "Outline of Minimum Requirements for Recognition of Schools and Colleges of Pharmacy or Departments of Pharmacy of Universities," prepared by a committee of the N. A. B. P., was submitted and discussed section by section and after some amendments was adopted. This "Outline" in detail is to be submitted to the Deans by the Executive Committee, later.

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#### PROPOSED OUTLINE OF MINIMUM REQUIREMENTS FOR RECOGNITION OF SCHOOLS AND COLLEGES OF PHARMACY OR DEPARTMENTS OF PHARMACY OF UNIVERSITIES TWO-YEAR COURSE—N. A. B. P.

A College or School of Pharmacy, to be approved by the Board of Pharmacy of the State of . . . . . shall meet the following requirements:

*Incorporation.*—Be incorporated independently as a college or school of pharmacy, or be a department of a regularly incorporated educational institution, or be conducted by an incorporated pharmaceutical society.

*Laboratories.*—Have buildings provided with laboratories adequately equipped for instruction in chemistry, pharmacy, microscopy, botany, bacteriology, and other laboratory subjects usually taught in the course of study in a school or college of pharmacy.

*Course of Instruction.*—Give instruction in the specific subjects, a knowledge of which is commonly required of candidates for a degree in pharmacy by the better pharmacy schools in the United States, based upon the two-year course in pharmacy laid down in the Pharmaceutical Syllabus. The required courses for the lowest degree shall include a minimum of eighteen hundred hours of instruction with not less than eight hundred clock hours of lectures and recitations and not less than nine hundred clock hours of laboratory instruction.

*Faculty Requirement.*—Employ a dean or other executive officer, whose duty it shall be to exercise supervision over the curriculum and students and have charge of administrative matters generally. Maintain a well-organized faculty composed of men selected primarily for their recognized mastery of their respective subjects and for their teaching ability. Provide at least three expert and thoroughly trained teachers who devote their entire time (during the school year) to instruction or research or both in the institution with which they are connected.

*Graduation Requirement.*—Require as a prerequisite to graduation the successful completion as evidenced by a general average of not less than 75% or the equivalent thereof, of a



fully graded course of instruction of at least eighteen hundred clock hours, covering two sessions of at least thirty weeks each of not less than thirty clock hours' actual work each week, which actual work shall be given to students of the first year course in not fewer than five days a week, and to students of the second year course in not fewer than five days a week, with at least eighteen months elapsing between the beginning of the first session and the ending of the second. No credit shall be given for any instruction received between the hours of six P.M. and seven A.M. nor shall any credit be given for any part of a pharmacy course taken by correspondence.

*Admission Requirement.*—Require that an applicant for admission be a graduate of an approved high school (four year course) with not less than 15 units or the equivalent thereof, in acceptable subjects, or of an approved institution of equal rank, or shall have successfully passed an entrance examination, in acceptable subjects covered by the four-year course of an approved high school and amounting to not less than 15 units or the equivalent thereof, given by the State University or by a State Department or bureau of education or like authorized institution of this or another state issuing a qualifying certificate recognized by the State University for admission to a college of pharmacy. No conditions of any kind shall be allowed in the preliminary requirements. In every case the student's qualifications of preliminary education shall be certified to by the State Department of Education of the state in which the student resides, or by the Registrar of the University of which the school is a part, or by the Registrar of the State University, and certified copies of the original documents showing such certification shall be kept on file in the executive office of the institution where they may be available for inspection at any time.

*Attendance Requirements.*—Require:

1. That a student be in actual attendance at the school within the *First Two Weeks* of each session and thereafter; and
2. That in order to obtain credit for a course in any subject a student must have attended not less than 80% of the instruction given in that subject including lectures, recitations and laboratory practice.
3. That an accurate record of daily attendance of students shall be kept by the school and certified to when required.

*Advanced Standing.*—Require that in order to obtain advanced standing the first year's work shall have been done in an approved school of pharmacy. The recipient school shall require and keep on file a properly certified transcript of the student's record at the former institution and it shall be the duty of an approved school of pharmacy upon request of the student to furnish him such certified copy of his properly completed record. In no case, however, shall credit by advanced standing be given for any part of the last year, commonly called the "senior" year.

*Promotions.*—Promote to the senior year no student conditioned in any work of a preceding year; nor give credit by examination or otherwise to a student transferring from another school for any work at the school previously attended for which he failed to receive credit at that school.

*System of Records.*—Keep full and complete records which show clearly and in detail the credentials of admission, attendance and graduation of each student.

*Catalogs.*—Issue annually a catalog or similar publication, setting forth the requirements for admission to the school, the tuition rates, the dates of sessions, the courses offered, the requirements for graduation; also the names of members of the faculty, showing official rank and degree. In case any member of the faculty is not offering instruction during the period covered by the catalog, the words "not in residence during . . . ." shall be inserted after his name, the period of absence being indicated.

No school or college of pharmacy or department of pharmacy of a university will be accepted, or retained as in good standing, on the list of approved schools of the Board, which publishes, in its annual catalog or otherwise, any misrepresentations regarding its curriculum, faculty members or its facilities for instruction.

EDW. H. WALSDORF,  
W. P. PORTERFIELD,  
H. C. CHRISTENSEN, *Chairman.*

Summary of Proceedings of the National Association of Boards of Pharmacy will be printed in the November number of the JOURNAL.—EDITOR.

## SCHEDULE FOR GRADING SCHOOLS OF PHARMACY.

Schools will be rated upon a scale of 1000 points. Those rating 800 or more will be classed as A grade schools. Those rating 700 and under 800 points will be classed as B grade schools. Those rating 600 points and under 700 points will be classed as C grade schools. Under 600 points D grade. Points to be raised as the Committee sees fit.

The data relating to each School of Pharmacy in 8 general heads as follows:

1. Character of the curriculum, grading of course and supervision—200 points.
2. Faculty—full time instructors and assistants and their qualifications—200 points.
3. Organization and Modern Methods—100 points.
4. Pharmacy school buildings, adaptability and sanitation—100 points.
5. Laboratory facilities and instruction—150 points.
6. Dispensing facilities and commercial instruction—50 points.
7. Library, charts, and teaching apparatus—100 points.
8. Other features not included in the above list—100 points.

(Signed) D. B. R. JOHNSON, *Chairman*,  
THEODORE J. BRADLEY,  
H. H. RUSBY,  
H. M. FASER.

Further explanation of points:

1. Admission and curriculum
  - a. Four years high school education,
  - b. A copy of the entrance credentials must be kept on file in school.
2. The laboratories should be large enough to allow each student an individual desk with a table area of at least five square feet, preferably three feet long by two feet wide. The desks to be supplied with all apparatus necessary for conducting experiments in a scientific manner in all laboratory courses. There should be one laboratory assistant or instructor for each forty students in the laboratory at one time.
3. Inspection and classification of the schools in the above plan shall be in the hands of a Committee of Seven, appointed as follows:

Three by the National Association Boards of Pharmacy,  
Two by the American Pharmaceutical Association,  
Two by the American Conference of Pharmaceutical Faculties.

The inspecting committee must consist of at least one from each group named. Further, no member thereof shall be a resident of the state in which the school is located that is being inspected.

A copy of the report of the inspection committee on each school should be kept on file by each association stating the basis on which the classification or valuation is determined.

(Signed) D. B. R. JOHNSON, *Chairman*,  
THEODORE J. BRADLEY.

NOTE: While the N. A. B. P. officially—at the final session—adopted the above schedule for grading Schools of Pharmacy, a resolution was adopted by the House of Delegates and the American Pharmaceutical Association in general session, requesting of the N. A. B. P. that action be delayed until the next annual convention. Therefore, the American Pharmaceutical Association did not appoint their two representatives on the Committee of Seven.

However, the outline for minimum requirements for recognition of Schools and Colleges of Pharmacy as adopted by the N. A. B. P. to take effect beginning with the college year 1924 will apply to those completing a two-year course in 1926.