

ASSOCIATION BUSINESS

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

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

LETTER NO. 11.

August 28, 1933.

To the Members of the Council:

The Second Meeting of the Council for 1932-1933 was held in the Hotel Loraine, Madison, Wisconsin, on Monday, August 28, 1933, beginning at 9:30 A.M., with the following members present: Hilton, Arny, Bradley, Day, Caspari, Philip, Slocum, Eberlc, DuMez and Kelly.

80. *Committee on Finance.* The following report was read by Chairman Bradley:

"With such competent and devoted financial officers as Secretary Kelly and Treasurer Holton, the work of the Committee on Finance is not arduous, but it is responsible and requires considerable attention by the chairman. The routine inspection of all bills, before they are paid, must be attended to, and the preparation of the annual financial budget requires careful study and considerable work. This was especially important this year, because of the reduced income due to the depression, when so many other organizations are involved in serious financial difficulties. Such difficulties constitute a conclusive test of the soundness of the policies and operation of an organization, and it is a pleasure to report that our ASSOCIATION is showing its soundness in the fine way it is weathering the storm.

"After paying careful attention to the finances of the ASSOCIATION for several years, we believe the ASSOCIATION to be in an entirely sound condition. Detailed information on financial matters is not given here as it is contained in the carefully prepared and audited reports of the secretary and the treasurer, presented at this meeting and at the end of the calendar year. The Committee on Finance has been doing its best to help the officers to keep the expenditures within the receipts, and we believe this will be accomplished."

After a general discussion of the finances of the ASSOCIATION, the report was accepted on motion of Day, seconded by Arny and carried.

81. *Committee on Property and Funds.* Chairman Philip read 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 Baltimore National Bank, 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 National Bank, Baltimore, Md.—Safe Deposit Boxes.
The Maryland Trust Company, Baltimore, Md.—Safe Deposit Boxes.
The Merchants and Newark Trust Co., Newark, N. J.—Safe Deposit Boxes.

"The Committee is pleased to report that interest has been paid on all securities owned by the ASSOCIATION, with one exception. Interest on a \$1000 bond of the City of Detroit, owned by the Life Membership Fund, and amounting to \$40.00 has not been paid and no information is available just now as to when interest will be paid.

"The \$275,000 U. S. Treasury bonds, 3%, owned by the Headquarters Building Fund, advanced in value to 98½ at which price they were sold in accordance with the best advice that the officers could obtain. As they were bought at par, this sale represented a loss of \$4125 which

loss was more than made up by the savings on the building and interest saved on the bills for the building work and supplies.

"The treasurer is keeping a strict account of all investments for the Headquarters Building and property. The amount to June 30, 1933, was \$422,624.19.

"No action has been taken with respect to the Franklin M. Apple Fund referred to in the report of the Committee last year and which amounts to \$1607.05. The chairman of the Council, the secretary and the treasurer were appointed a committee 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. Until the Headquarters Building is nearer completion the committee can make no recommendation to the Council.

"As the treasurer will report, the Merchants and Newark Trust Company and the Boston Penny Savings Bank, in which the checking and savings accounts of the ASSOCIATION are kept, and the Maryland Trust Company, in which the Headquarters Building funds are deposited, opened on a full basis after the bank holiday. The Baltimore Trust Company, in which the secretary's account and the cash balances of the various funds are deposited, opened on a restricted basis and has since been reorganized as the Baltimore National Bank. How fully and rapidly the accounts will be paid by liquidation cannot be predicted. No other course than to cooperate is possible and in the meantime the balances draw interest at 2%.

"On the whole, the ASSOCIATION has come through the year very satisfactorily so far as its property and funds are concerned, and no changes are recommended."

On motion of Day, seconded by Caspari and carried, the report was received and the recommendation approved.

82. *Standard Program.* Chairman Hilton made a verbal report for the Committee, explaining the principal modifications made in the program of the 81st meeting. The report was received.

83. *Committee on Recipe Book.* In the absence of Chairman Lascoff the following report was read by the secretary:

"Your Chairman begs to submit the following report on the Recipe Book for the year 1932-1933.

"During the past year circulars were distributed. As per the report of Dr. Kelly, up to June 1, 1933, 93 books were distributed complimentary, 4487 have been sold and 420 are in stock. Since June 1st, your chairman has received several requests for books and orders have been filled by Lippincott and Company.

"The Committee is very anxious to revise this AMERICAN PHARMACEUTICAL ASSOCIATION Recipe Book and to have the second edition in print. However, this cannot be done until the N. F. is completed.

"In this connection, may I state that five bulletins have already been sent out to the members of the Committee.

"On March 16th, Bulletin Number 1 was sent out.

"Up to the present writing twenty replies have been received from the twenty-four members of the Committee.

"On the date of July 26, 1933, I received a letter from Dr. Gathercoal, chairman of the National Formulary Committee, accompanied by a list of deletions, and tentative deletions. The letter reads, in part, as follows:

"There is also inclosed pages 794-819 of the N. F. Bulletin showing the copy practically complete for the chapter which will be found in the N. F. on Diagnostic Reagents and Clinical Tests. You will note that this contains a good many formulas for staining solutions. I think all of these will be included in the N. F. and I trust that you will be careful not to duplicate them in the Recipe Book. There is also included a single page, 873, showing the Dental Preparations that have been approved for admission to the N. F. VI and those that have been refused admission to N. F. VI from N. F. V. These should not be duplicated in the Recipe Book.

"I think your plan for the several bulletins to the Recipe Book Committee is a very good one and the features that you mention should make the Recipe Book more popular.

'I forgot to state that quite a good many ampuls have been admitted to N. F. VI. A list of these is inclosed, pages 25-26 of Sub-Committee No. 8. I trust that you will not duplicate these titles in the Recipe Book.'

"Permit me to state, that all precautions will be taken that no items which will appear in the National Formulary will be in the Second Edition of the Recipe Book.

"The list of deletions follows:

Acet. Arom.	Fldext. Kav.
Cerat. Camph.	Fldext. Kol.
Chart. Pot. Nit.	Fldext. Lupulin.
Collod. Bitum. Sulphon.	Fldext. Manac.
Confect. Ros.	Fldext. Matic.
Confect. Senn.	Fldext. Mezer.
Elix. Casc. Sagr. Co.	Fldext. Pareir.
Elix. Cathart Co.	Fldext. Querc.
Elix. Chlorid.	Fldext. Rubi.
Elix. Cinchon. Ferr. et Bism.	Fldext. Rumic.
Elix. Cinchon. Ferr. et Strych.	Fldext. Scopar.
Elix. Cinchon. Ferr. Bism. et Strych.	Fldext. Scutellar.
Elix. Coryd. Co.	Fldext. Senecion.
Elix. Gent. et Ferr. Phos.	Fldext. Solan.
Elix. Guar.	Fldext. Thuj.
Elix. Hydrast. Co.	Fldext. Tong.
Elix. Manac. Co.	Fldext. Verbasc. Fol.
Elix. Phosphor. et Nuc. Vom.	Fldglycer. Casc. Sagr.
Emp. Fusc. Camph.	Fldglycer. Glycyrrhiz.
Emp. Sapon.	Fldglycer. Kramer.
Emuls. Ol. Ricin.	Fldglycer. Rhei.
Ext. Conii	Garg. Guaiac. Co.
Ext. Euonymi	Glycer. Pic. Pin.
Ext. Ferr. Pomat.	Glycerogel. Acid. Salicyl.
Ext. Hæmatox.	Glycerogel. Iodof.
Ext. Ignat.	Glycerogel. Zinc. Dur.
Ext. Kramer.	Glycerogel. Zinc. Mol.
Fldext. Angel. Rad.	Gossyp. Stypt.
Fldext. Aral.	Inf. Brayer.
Fldext. Asclep.	Inf. Ros. Co.
Fldext. Aven. Sativ.	Inunct. Menthol.
Fldext. Baptis.	Lac. Ferment.
Fldext. Boldi.	Lin. Opii. Co.
Fldext. Chimaph.	Liq. Aur. Brom. et Arsen.
Fldext. Chirat.	Liq. Bism.
Fldext. Cocillan.	Liq. Chlor. Co.
Fldext. Coffeæ.	Liq. Ferr. Albumin.
Fldext. Copt.	Liq. Ferr. Cit.
Fldext. Corni.	Liq. Ferr. Salicyl.
Fldext. Corydal.	Liq. Hydrastin. Co.
Fldext. Cypriped.	Liq. Iodi Phenol.
Fldext. Digit.	Liq. Pancreat.
Fldext. Droser.	Liq. Pepsin.
Fldext. Dulcam.	Liq. Pepsin. Antisept.
Fldext. Fuci.	Liq. Pepsin. Arom.
Fldext. Galeg.	Liq. Phos. Acid.
Fldext. Geran.	Liq. Phos. Co.
Fldext. Irid. Vers.	Liq. Phosphor.
Fldext. Jugland.	Liq. Sod. Arsenat.

Liq. Sod. Arsenat. Dil.	Pulv. Arom. Rubefac.
Lot. Ammon. Camph.	Pulv. Cret. et Opii Arom.
Mass. Copaib.	Pulv. Hydrarg. Chlor. Mit. et Jalap.
Mel Ros. et Sod. Bor.	Pulv. Myric. Co.
Mel Sod. Bor.	Pulv. Rhei et Magnes. Anis
Mist. Adstring.	Pulv. Talc. Co.
Mist. Chlorof. et Morph Co.	Sevum Benz.
Mist. Copaib. et Opii	Spec. Emoll.
Mist. Mag. Asafoet. et Opii	Spec. Lax.
Mist. Ol.-Balsam.	Spec. Pect.
Mist. Opii et Chlorof. Co.	Spec. Sinap.
Mist. Opii et Rhei Co.	Stil. Medic.
Mucil. Sassaf. Medul.	Stil. Acid Salicyl.
Mull. Ac. Salicyl.	Sulphur. Iod.
Mull. Creosot. Salicyl.	Syr. Allii
Mull. Hydrarg. Chlor. Corros.	Syr. Calc. Iodid.
Mull. Zinc.	Syr. Calc. Lactophos. et Ferr.
Nebul. Thymol.	Syr. Ferr. Sacch. Sol.
Ol. Inf.	Syr. Ficor. Co.
Oleat. Quin.	Syr. Iodotan.
Oleat. Veratrin.	Syr. Kramer.
Ol. Hyoscy. Co.	Syr. Mann.
Oxymel Scill.	Syr. Phos. Co.
Past. Betanaphth.	Syr. Phos. Quin. et Strych.
Past. Dextrin.	Syr. Quinid.
Past. Zinc. Sulphur.	Syr. Rham. Cathart.
Petroxolina Medicata	Syr. Ros.
Petrox. Betanaphth.	Syr. Rubi
Petrox. Bitum. Sulphon.	Tr. Amar.
Petrox. Cadinum	Tr. Antiperiod. s. Aloe.
Petrox. Chlorof. Camph.	Tr. Aromatica
Petrox. Eucalyptol.	Tr. Croc.
Petrox. Guaiacol.	Tr. Ferr. Chlor. Aeth.
Petrox. Hydrarg.	Tr. Ferri Pomat.
Petrox. Iodi Dil.	Tr. Guaiac. Co.
Petrox. Menthol.	Tr. Humul.
Petrox. Methyl. Salicyl.	Tr. Ignat.
Petrox. Phenol.	Tr. Jalap Co.
Petrox. Phenol. Camph.	Tr. Opii Crocat.
Petrox. Sulphurat.	Tr. Opii et Gambir Co.
Petrox. Sulphurat. Co.	Tr. Passiflor.
Pil. Aloe. et Ferr.	Tr. Rhei Aq.
Pil. Aloe. et Podoph. Co	Tr. Rhei et Gent.
Pil. Aloe. Hydrarg. et Podoph.	Tr. Sabal et Santal
Pil. Antiperiod. s. Aloe	Tr. Sumbul
Pil. Fer. Quin. Aloe et Nuc. Vom.	Troch. Eucalypt. Gum.
Pil. Opii. Digit. et Quin.	Ung. Fusc.
Pil. Opii et Camph.	Ung. Plumb. Iod.
Pulv. Aloe et Canell.	Ung. Veratrin.
Pulv. Antimon.	

"As stated before, on March 16th, I sent out Bulletin Number 1 with a list of 60 Pharmaceutical Formulas.

"On August 10th, the following Bulletins were mailed to the Members of the Committee:

Bulletin Number 2: Consists of 16 Pharmaceutical Formulas.

Bulletin Number 3: Consists of 15 Formulas for Stains and Reagents.

Bulletin Number 4: Consists of a Table of Doses.

Bulletin Number 7: Consists of 11 Dental Formulas.

Bulletin Number 8: Consists of a Questionnaire.

"A total of 102 Formulas was submitted for consideration besides a Questionnaire and proposed Table of Doses. Although many pharmacists are in constant need of this Table of Doses, I do not think that it will be adopted.

"Quite a number of the foregoing will appear in our Second Edition. However, I am not in favor of permitting the Fluidextracts and Fluidglycerites in the new book. Very few pharmacists prepare their own Fluidextracts or Fluidglycerites.

"Many comments, suggestions and criticisms have been received to date. These will be taken up in their order and duly considered before a final vote is taken on any preparation in question.

"On August 1st, I received a letter from Dr. Cook asking whether an exhibit of about 30 or more of the most important preparations from the Recipe Book, for which there is a large use in this country at this time, could be prepared in time for this Convention. He also requested that a short paper be prepared for the Thursday afternoon session devoted to exhibits. This has been done.

"The idea of the exhibit is, of course, to give prominence to the Book along with the U. S. P. and N. F. Not enough publicity has been given to the Recipe Book. There are many physicians who do prescribe from the U. S. P. and N. F. They prescribe very little from the Recipe Book for the simple reason that they are not sufficiently acquainted with it because, as I have said before, not enough publicity has been given.

"I am taking this opportunity to thank the members of the Committee for their different suggestions and criticisms.

"I wish to thank Dr. Kelly and Editor Eberle for their work in connection with the distribution and sale of the Pamphlets and Books. Work on the next Revision is being done very carefully and especial care taken not to repeat the small errors which are wont to crop up.

"I also wish to thank once more all of the members of the AMERICAN PHARMACEUTICAL ASSOCIATION who have shown their interest and coöperation in our work in behalf of the AMERICAN PHARMACEUTICAL ASSOCIATION Recipe Book."

The report was accepted on motion of Day, seconded by Arny and carried, with thanks and with the suggestion that the proposed table of doses might be included in the index of the second edition.

84. *Committee on National Formulary.* Chairman Gathercoal read the following report:

REPORT OF THE NATIONAL FORMULARY COMMITTEE.

BY E. N. GATHERCOAL, CHAIRMAN.

The National Formulary Committee has vigorously prosecuted the work of the Revision during the past year. From August 20, 1932 to a similar date in 1933 there have been issued from the Chairman's office 540 mimeographed pages of the N. F. Bulletin (pages 566-1082 and Index) and approximately 360 mimeographed pages in the several Sub-Committee Letters. A relatively large correspondence has also been carried on during the year.

ADMISSIONS TO NATIONAL FORMULARY VI.

The following tabulation shows the admissions to N. F. VI as of August 15, 1933. There is almost constant change going on as regards admissions and it is difficult to obtain figures that are truly accurate. It will probably be next summer before final results can be published.

The trend of admissions to N. F. VI can now be plainly discerned. This trend is to refuse admission to items not being prescribed by physicians and to admit from N. F. V and from deleted U. S. P. X items and particularly from new items, only those that are prescribed by physicians. This is illustrated by the fact that of the 305 items in N. F. V not admitted to N. F. VI, 221 have no prescription usage and only 15 have occurrences of more than 1 per 10,000 prescriptions. Many of these 15 are being reconsidered for admission to N. F. VI.

It is true that we will have in N. F. VI quite a good many "pharmaceutical necessities,"

i. e., items required for N. F. preparations, but in themselves are never directly prescribed. This includes many of the crude drugs, some chemicals and many of the fluidextracts. Likewise, there will be present in N. F. VI quite a number of items, perhaps thirty or forty, that are extensively used by physicians, but that are rarely prescribed by physicians. This includes particularly the ampuls and possibly some biologicals. Finally there is a relatively small group of items that are extensively sold as medicines, but are rather seldom prescribed. This includes such items as Psyllium Seed, Matricaria, Areca, Salicylic Collodion (corn cure), Dentifrice.

IN NATIONAL FORMULARY V.

	Items.	Occurrences per 10,000 Prescriptions.
Part I	565	1519.6
Part II	214	130.0
Total	779	1649.6

IN NATIONAL FORMULARY VI.

N. F. V items admitted to N. F. VI	472	1587.5	
U. S. P. X items admitted to N. F. VI	73	281.6	
Unofficial items admitted to N. F. VI	96	838.4	
N. F. V items proposed for N. F. VI	18		43.6
Unofficial items proposed for N. F. VI	158		1020.7
Total	641	2707.5	

N. F. V ITEMS NOT ADMITTED TO N. F. VI.

Part I, 222 items with 40.8 occurrences

Part II, 83 items with 21.3 occurrences

Total, 305 with 62.1 occurrences.

It will be of interest to those who are not fully familiar with the details of the National Formulary Committee procedure, to know that the entire N. F. Committee serves as the Committee on Scope. All of the items that have been proposed for admission to N. F. VI up to August 1, 1933 have been presented to the N. F. Committee for comment as to their admission to N. F. VI. It is expected that this phase of the revision work will be culminated by voting within the next two months.

No.	Class.	Sub-Committees.	Chairman.	Number of Monographs.			
				Assigned to Sub.-Com.	Presented to Sub.-Com.	Recom- mended to N. F. Com.	Ready to Print.
1	Botanicals		E. L. Newcomb	106	...*	76	..
2	Chemicals		G. L. Jenkins	60	46	45	42
3	Solutions		H. A. Langenhan	116	104	85	..
4	Extractive Preparations		W. L. Scoville	145	...*	88	..
5	Solid Preparations		I. A. Becker	28	26	9	9
6	For External Use		L. Saalbach	51	40	22	..
7	Miscellaneous Preparations		A. B. Nichols	50	34	30	19
8	Biologicals		B. Fantus	1	0	0	..
9	Nomenclature		H. V. Army
Special	Dental Preparations		J. R. Blayney	(10)	...	(10)	..
Special	Tablets		A. B. Nichols	55	10	0	..
Special	Ampuls		B. Fantus	29	27	1	..
Special	Gland Substance		B. Fantus	?
Totals				641	287	356	70

* Full monographs not presented to Sub-Committees.

SUB-COMMITTEE ACHIEVEMENTS.

The Sub-Committees have been progressing nicely with the details of monograph construction. We frequently view the progress of monograph revision or construction in three stages. *First*, its presentation to the Sub-Committee; *second*, its recommendation by the Sub-Committee and presentation to the General Committee; *third*, its presentation to the General Chairman as being ready for the printer. Many of the monographs, especially of the new items (ampuls, tablets, glandular substances, etc.) are subject to severe criticism, not only in the Sub-Committee, but later in the General Committee and by the interested public, for a large number of copies of the Bulletin are distributed outside of the N. F. Committee. These criticisms are all carefully considered by the Sub-Committee and its chairman and the complete monograph often bears evidence of these criticisms. The foregoing tabulation shows the progress of the Sub-Committee work.

NATIONAL FORMULARY RESEARCH INVESTIGATIONS.

A number of research investigations, financed by the AMERICAN PHARMACEUTICAL ASSOCIATION and bearing directly in National Formulary revision, have been completed during the past year. These may be briefly described as follows:

Research on Ampuls.—Dr. Bernard Fantus and Dr. E. B. Carter have completed extensive studies on ampul glass, ampul sterilization, and on 24 new ampul monographs. These reports have received extensive criticism in the special Sub-Committee on Ampuls and part of the material has been presented in the N. F. Bulletin.

Research on Pharmaceutical Vehicles.—Dr. B. Fantus and his associates in the Pharmacology Laboratory of the University of Illinois College of Medicine have completed six papers on vehicle preparations and including the Aromatic Eriodictyon Syrup and Elixir, the Glycyrrhiza Syrup and Elixir, Anise Elixir and Syrup, Cinnamon Syrup, Elixir of Phenobarbital and Elixir of Amidopyrine. They also have work in progress on the Pepsin Elixirs, Acacia Syrup, Raspberry Syrup, other fruit syrups, etc. While it is not possible to describe this work in detail in this short report, yet it must be said that the work is having a marked effect on a considerable number of important N. F. items.

Research on Tablets.—Professor A. B. Nichols and Professor L. G. Cordier are actively at work on tests of identity and purity for the 55 tablet monographs submitted to N. F. VI. The tolerances and assay processes prepared by the Joint Contact Committees of the American Drug Manufacturers' Association and of the American Pharmaceutical Drug Manufacturers' Association, and approved by the national enforcement officials, have been adopted so far as possible by the N. F. Sub-Committee on Tablets; otherwise the preparation of these monographs would have proved to be an impossible task. This same statement could be made regarding the ampul monographs. If the years of work by the Joint Contact Committees regarding tolerances and assays had not been available and freely placed at the disposal of the N. F. Committee, these monographs would not have been possible.

Research on Glandular Substances.—A special Sub-Committee headed by Dr. Fantus and including Dr. H. W. Youngken of Boston, and Dr. Marvin R. Thompson of Baltimore, and Dr. F. O. Taylor, Dr. David Klein, Dr. Frederic Fenger, Dr. James H. Hutton, all of Chicago, has been giving special consideration to tolerances and assay methods, histological descriptions and tests of identity and purity for a number of extensively used desiccated glandular substances.

Research on Extractive Processes.—Dr. W. J. Husa and a number of collaborators have reported monthly during the year on their progress in the study of the scientific principles of extraction. Many interesting and important facts have been presented and the work appears to be progressing nicely and it may be possible, even yet to apply in a practical way the results of these extensive investigations to the monographs on extractive preparations in both the U. S. P. and the N. F.

THE PRESCRIPTION INGREDIENT SURVEY.

Especial mention should be made of the Prescription Ingredient Survey which was published in book form in June 1933. The work of originating this survey early in 1930; then pushing forward the accumulation of the data; and finally of preparing the data with extensive introductory chapters in form for publication has been a very heavy item in the chairman's office and has involved a large item of expense in connection with the N. F. revision.

There are more than 5000 primary names and about 1200 cross-references in the tabulated portion of this publication. On the reports as received from the prescription readers, there were approximately 75,000 hand-written names, often synonymic or abbreviated and hurriedly written, and these have been assembled into the 3553 names of ingredients in the U. S. P.—N. F. Survey (Column G). The other names to make a total of about 5000 are found in the six other surveys that were incorporated into the completed report. Also there were approximately a quarter of a million tally marks on these report forms and these have been added and properly applied to each of the names.

Seventeen rolls of adding machine tape have been used in this work and it is estimated that more than 35,000 arithmetical calculations have been utilized in compiling these tabulations and in converting the numbers in all seven of these surveys to 10,000-prescription basis.

However, this Survey has been of very great value to the N. F. Committee, as well as to the U. S. P. Committee, and its value will be reflected in N. F. VI when completed, for a real scientific basis of admission has been established. This new basis is a foundation that will materially strengthen the National Formulary in medical circles and among pharmacists and other scientists.

A quantity of material illustrating the development of the Survey has been placed on exhibition during A. PH. A. week at Madison, and we trust that you will be sufficiently interested to give it the "once over."

On motion of Bradley, seconded by Philip and carried, the report was received with appreciation to Chairman Gathercoal and his associates including those who worked on the U. S. P.—N. F. Prescription Ingredient Survey.

85. Committee on Research. Chairman Army made a verbal report. Dr. Husa's work under the grant of \$1000 made at the Toronto meeting had been splendid and a renewal of the grant for 1933 had already been voted to enable plans to be made for continuing the study of extraction. Dr. Husa will present a short account of the work during a general session and a brief summary for publication in the JOURNAL. The final report will be condensed for later publication on account of cost. The report was accepted on motion of Caspari, seconded by Slocum and carried.

86. Committee on Student Branches. Chairman Philip reported verbally that on account of the present conditions, no special effort had been made to establish student branches although he hoped eventually to see one in each college. One branch, at the California College of Pharmacy, was established during the year. The report was accepted on motion of Day seconded by Army and carried.

87. Committee on Publications. Chairman DuMez read the following report which was received on motion of Day seconded by Army and carried:

"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 1932, including the editor's salary, were \$19,995.51 (\$14,955.51 + \$5000.00). The total expenditures for 1931 were \$20,364.23 (\$15,364.23 + \$5000.00), which represents a decrease of \$368.72.

"The receipts of the JOURNAL for advertising, subscriptions, sale of single copies, reprints, etc., for 1932 were \$8861.37. The subscription credit received for non-headquarters building members less 20% for overhead amounted to \$4718.97, making a total of \$13,580.34. The total receipts for 1931 were \$15,481.67. The receipts have, therefore, decreased by \$1901.33.

"The total expenditures of \$19,995.51 less the receipts of \$13,580.34 show the net cost of the JOURNAL for the year to be \$6415.17. The net cost for 1931 was \$4882.56. The net cost of the JOURNAL has, therefore, increased by \$1532.61 over the preceding year. This increase in cost is due largely to a falling off in membership subscription credits, the falling off amounting to \$1293.09. The decrease in receipts from advertising amounted to \$605.66.

"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 19 of the YEAR BOOK covering the calendar year 1930 has been distributed. Three thousand copies were ordered and approximately 2500 of these have been distributed.

"You no doubt have observed that the size of the printed page has been increased materially in this volume. This has enabled us to reduce the number of pages by approximately 25 per cent and to effect a corresponding saving in cost of publication.

"The abstracts for the years 1931 and 1932 will be combined and published in one volume, which it is hoped will be ready for distribution before the end of the year. The page proof for the first half of the volume was about completed before I left Baltimore, and the material for the second half is in process of being assembled and classified.

"The contract for printing, binding and distribution of the book was again awarded to the Lord Baltimore Press of Baltimore, Maryland, because the estimates submitted by other firms did not offer sufficient advantages to justify a change.

"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 June 1, 1933, 377 copies had been sold or otherwise disposed of, leaving a stock on hand of 670 copies.

National Formulary, V: Up to June 1, 1933, a total of 47,626 copies were printed and bound in buckram and 500 copies were bound in leather. Of the copies bound in buckram, 46,526 had been sold and 80 copies had been distributed gratis. Of the copies bound in leather 136 copies had been sold and 12 copies had been distributed gratis. There were sold since June 1, 1932, 1573 copies bound in buckram and 1 copy bound in leather, leaving a stock on hand of 1020 copies bound in buckram and 352 copies bound in leather.

"Permission to use portions of the text of the National Formulary V, for comment in a series of articles to be published in the *Journal of the American Dental Association* was granted to Samuel M. Gordon, secretary of the Council on Dental Therapeutics of the American Dental Association.

"The contract for printing and binding the National Formulary VI was awarded to the Mack Printing Company on July 24, 1933. Estimates on the cost of doing the job were called for and bids were actually received from four firms. That of the Mack Printing Company was the most favorable and the contract was, therefore, awarded to it.

Pharmaceutical Recipe Book: Up to June 1, 1933, 5000 copies of the Recipe Book were printed and bound. Of this number, 4487 copies had been sold and 93 complimentary copies had been distributed, leaving a stock on hand of 420 copies. The stock on hand at the same time last year was 698 copies which means that 278 copies were sold during the year.

Prescription Ingredient Survey: The Prescription Ingredient Survey prepared by Professor E. N. Gathercoal under the auspices of the AMERICAN PHARMACEUTICAL ASSOCIATION and the Board of Trustees of the United States Pharmacopœia was published in book form by the AMERICAN PHARMACEUTICAL ASSOCIATION. The publication was undertaken with the understanding that a sufficient number of subscriptions to defray the cost of publication would be obtained before the contract for printing was let. Because the book was desired for the meeting of the Revision Committee of the Pharmacopœia held on June 28 to 30, 1933, and the time was too short to secure all of the advanced subscriptions required, Professor Gathercoal went ahead with the printing of the book, even though the stipulated conditions for publication had not been met.

"According to a report made by Professor Gathercoal as of July 27th, a total of 987 copies of the book were ordered printed and bound. Twenty-one (21) copies were sent to Professor Cook for the Committee of Revision of the Pharmacopœia, 15 copies were billed to the AMERICAN PHARMACEUTICAL ASSOCIATION for the use of the Committee of Revision of the National Formulary, 129 copies were distributed on advance orders, and 1 copy was distributed gratis, leaving a stock on hand on July 27th of 821 copies.

"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 publication 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."

The secretary reported that the paper required for Series A, numbering 25,000 copies, of the N. F. had been purchased and stored with the Mack Printing Company, in advance of an

increase in price and that the ASSOCIATION would be expected to pay the interest and insurance charges.

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

"Volume 19 of the YEAR BOOK, covering the calendar year 1930, was completed July 17, 1932, and distributed in January 1933. In this volume there are something over 200 pages less than in the preceding volume. This reduction in the number of pages is largely the result of reducing the margins, thereby increasing the size of the printed page. A further reduction was effected by more careful discrimination in the selection of articles to be abstracted. Naturally, this has reduced the cost of the volume to a considerable extent.

"Volumes 20 and 21, covering the calendar years 1931 and 1932, will be published jointly. The printing of the first half of this volume is now in the page proof stage and practically all of the work of assembling and classifying the material for the second half of the book has been completed. If the printer will maintain the present pace, the completed volume will be ready for distribution by the end of the year. We will then have the work as nearly up-to-date as can be expected from a practical standpoint.

"No doubt the Committee on YEAR BOOK will have some definite recommendations to make in its report this year. The consensus of opinion seems to be that some means should be devised whereby the abstracts carried in the report on the progress of pharmacy may be made available to those interested in them sooner than is possible through the YEAR BOOK. There are some, however, who believe that there is a real advantage in having the abstracts assembled in one book, and who prefer to receive them in that way. If the system adopted by the Pharmaceutical Society of Great Britain is followed, the groups representing both viewpoints can be satisfied. Therefore, if a change is to be made, it is my opinion that we will do well to follow the British system, but that the abstracts should be carried in the JOURNAL now printed rather than in a separate publication set up for that purpose."

General satisfaction was expressed that the YEAR BOOK will probably be brought up-to-date during this year. The report was received with thanks, on motion of Day, seconded by Army and carried.

89. *Editor of the Journal.* The following report was read by Editor Eberle:

"The report of the Editor herewith deals with the business of 1932 and as reports of previous years, is compared with the prior year, 1931.

"The expenses of 1931 were \$15,364.23, not including the Editor's salary; the receipts were \$9469.01. Deduction of the receipts, not including membership subscriptions, from expenses shows a net cost of \$5895.22, add the Editor's salary, and we have a net cost of \$10,895.22. The credit on membership subscriptions, less 20% for overhead from the gross cost, which in 1931 is \$6012.66, deducted from the gross cost leaves \$4882.56 net cost including the Editor's salary. An average of 5444 copies were printed monthly, making a cost per volume of about 89 cents.

"The expenses of 1932 were \$14,955.51; the receipts were \$8861.37. Following the plan of the foregoing, deduct the receipts, not including membership subscriptions from expenses shows a net cost of \$6094.14. Add the Editor's salary and we have a cost of \$11,094.14. The credit on membership subscriptions, not Headquarters members, less 20%, for overhead, which for 1932 is \$4718.97 from the gross cost, \$11,094.14, leaves \$6375.17 net cost, including the Editor's salary; an average of 4990 copies were printed monthly, making a cost of about \$1.27, per volume. The difference in net cost of the JOURNAL is \$1492.61 more for 1932 than 1931, which is nearly represented by the smaller credit for membership dues in 1932 than in 1931; receipts from advertising were \$605.66 less in 1932 than in 1931.

"Detailed comparative costs of 1931 and 1932: The number of copies of the JOURNAL printed in 1931, 65,330; in 1932, 59,900. Although the number of pages printed in 1931 and 1932 was about the same, 1366 in 1931 and 1362 in 1932, considerably more 8-point matter was printed in 1932 than in 1931; the purpose was to bring the larger amount of material embodied in the minutes in the issues of 1932; this to that extent increased the publication costs.

"The number of pages, as stated, printed in 1931 was 1366, in 1932, 1362. The publication costs in 1931 were \$11,031.35; in 1932, \$10,300.63. Mailing costs of the JOURNAL in 1931 were \$665.09; in 1932, \$655.21; mailing back numbers of the JOURNAL for 1931 cost \$25.70; for 1932, \$13.93. Engravings and photographs, other than included in Mack Printing Company cost in 1931, \$480.50; in 1932, \$479.97. Binding JOURNALS in 1931 cost \$24.00; in 1932, \$43.50;

stationery and office supplies in 1931, \$101.40; in 1932, \$86.73. Clerical, including Professor Olsen's contributions to Department of Business Management cost in 1931, \$1356.50; in 1932, \$1419.00. Commissions on advertising in 1931 amounted to \$634.15; in 1932, \$554.08. Small miscellaneous items make up the remainder of the total expenses for 1931, of \$15,364.23, those of 1932 were \$14,955.51, less by \$408.72 in 1932 than in 1931.

"Detailed comparative receipts of 1931 and 1932. The receipts for 1931 amounted to \$9469.01, those for 1932, \$8861.37. Advertising in 1931 brought \$6537.13; in 1932, \$5931.47. Subscriptions in 1931, amounted to \$1050.71; in 1932, \$939.91; it should be understood that we make every effort possible to bring subscriptions to memberships. Single copies, in 1931 brought \$303.31; in 1932, \$51.30. Reprints, in 1931, brought \$727.26; in 1932, \$1098.14. Miscellaneous items, in 1931, amounted to \$815.60; in 1932, \$840.55. In 1931, the National Association of Boards of Pharmacy contributed \$257.50; in 1932, \$80.00. The American Association of Colleges of Pharmacy contributed \$300.00 in 1931 and the same amount in 1932. In 1931, J. U. Lloyd contributed \$50.00 toward the expense of printing his fourth paper on Physics in Pharmacy and we have now \$50.00 from him for the publication of the paper presented at Toronto. The Conference of Pharmaceutical Association Secretaries contributed \$25.00 in 1931 toward the expenses of printing their minutes in the JOURNAL. A like contribution was paid in March 1933 for 1932. The Conference of Law Enforcement Officials contributed \$50.00 in 1931 and for 1932 (credited in 1933 when it was paid), \$75.00. A number of reproductions of pictures and books have been made, without cost to the JOURNAL and ASSOCIATION, and the sum derived from the sale of these was contributed to the JOURNAL—'The Laboratory,' 'Dr. Power in His Laboratory,' 'Ground Breaking at Headquarters,' 'Proof Sheets of U. S. P. I,' 'New Nomenclature,' which with contributions to the expenses of the JOURNAL amounted, in 1932, to \$459.05. In recent years the papers presented to the Sections have increased in number and some in the pages of the reports, as a result we have about 25 papers unpublished, several of these lengthy, and a large list has been contributed for this meeting. A paper by Ewin Gillis and H. A. Langenhan—'A Phytochemical Study of *Hydrastis Canadensis*' is reported in about 130 type pages, many tables and about 25 plates.

"Among the papers in recent years have been theses presented in partial fulfilment of work for degrees. It has occurred to the Editor that part of the expenses for papers of that type should be met by the authors. This suggestion was made to one of the authors, but not favorably received. There are two sides to the question, of course. Another expense that should, perhaps, in part be met by authors is when a large number of cuts are used. Tabular matter should be summarized to an extent. While no name need be mentioned it is a pleasure to report that one of the contributors of two lengthy papers accepted the suggestion to have them printed as monographs with the statement that these papers were presented to the AMERICAN PHARMACEUTICAL ASSOCIATION. Without this coöperation it would not have been possible to print these papers. The JOURNAL has carried the expense of having reprints made of reports and minutes of meetings in connection with the annual convention for distribution at the sessions of the ASSOCIATION and for pharmaceutical publications. Also, abstracts have been mimeographed for like distribution; one hundred or more were prepared for this meeting.

"Another work of interest and value has been undertaken in publishing. 'The Professional Pharmacy—an Analysis of Prescription Department Activities,' by Frank A. Delgado and Arthur Kimball. It is part of the National Drug Store Survey and published under and by authority of the U. S. Department of Commerce, Bureau of Foreign and Domestic Commerce. Reprints will be made under paper cover and placed on sale at 25 cents per copy of 80 or more pages, 10% discount for quantities of 6 or more and 20% in quantities of 100 or more.

"Reference is made to page 671 of the July JOURNAL and a second installment is printed in the August issue of the JOURNAL. It is hoped to have Dr. S. L. Hilton contribute monthly, information on prescription compounding and related subjects.

"Papers relating to U. S. P. and N. F., revision work have appeared in the JOURNAL and coöperation has been given to research work of the American Drug Manufacturers' Association and the American Pharmaceutical Manufacturers Association.

"To name these papers specifically would extend the report and you, doubtless, are familiar with them.

"In a recent issue, for June, the report of the Committee on Potent and Toxic Drugs of

the National Drug Trade Conference has been printed and quite widely distributed. Also Scope of Examination in Materia Medica and List of Drugs, recommended by the Committee on Materia Medica and approved by the Conference of State Boards and Colleges of N. A. B. P. District No. 2, as a list to which State Board Questions in Materia Medica should be restricted; see JOURNAL for June, pages 551-554 and 559-566.

"Some attention has been given to the Costs of Medical Care. The Department of American Association of Colleges has had many valuable articles under the direction of Professor C. B. Jordan. Attention has been given to the Pharmacy Exhibit, as part of the Century of Progress, International Exposition; also the Pan-American Medical Congress; Prescription Tolerances and other phases of Prescription Practice.

"Reproductions have been made of proof sheets of the first U. S. Pharmacopœia, Chemical Nomenclature and photographic enlargements of pictures of the Headquarters and others of historical interest. Some of these are here on exhibition. Also of the Leadbeater Pharmacy acquired for the ASSOCIATION and in which we had a part.

"Finally, may we say that while we miss the contribution toward meeting expenses of the National Association of Boards of Pharmacy we are grateful for their members' coöperation and of its officers, and hope the time is near when that body will consider the possibility of again contributing. We are thankful for the support of the American Association of Colleges of Pharmacy.

"Up to August first of last year the expenses of the JOURNAL amounted to \$8542.00, those of this year are \$7298.72; the receipts up to August first of last year were \$5150.94, for the same period of this year they are \$5022.18, therefore the net cost of the JOURNAL is less by \$1114.52 than last year. Personally, the Editor is thankful for the fine coöperation of many."

The necessity of reducing the length of papers for printing in the JOURNAL was considered but no action was taken. On motion of Army, seconded by Bradley and carried, the report was received.

90. *Code for the Retail Drug Industry.* The president and secretary informed the members present of their activities in connection with the proposed Code and of the relation of the ASSOCIATION to it. The subject was discussed at length but no action was required at this time.

91. *Nomination of Honorary President, Secretary and Treasurer.* Dr. Edward Kremers was nominated to the House of Delegates as Honorary President, on motion of Philip seconded by Slocum; E. F. Kelly as Secretary, on motion of DuMez, seconded by Bradley, and C. W. Holton as Treasurer, on motion of Army seconded by Eberle.

92. *Annual Report of the Council to the House of Delegates.* Chairman Hilton and the secretary were authorized to prepare and present this report to the House, on motion of Eberle, seconded by DuMez, and carried.

93. *Election of Members.* On motion of Bradley, seconded by Eberle and carried, the following applicants were elected to membership.

No. 189, S. Walley Bower, 435 Tacoma Ave., Buffalo, N. Y.; No. 190, James A. Conway, 74 Chestnut St., Everett, Mass.; No. 191, C. Bertram Cox, 7 Burran Ave., Mosman, Sydney, Australia; No. 192, Frank R. Crotty, 28 Strathmore Road, Worcester, Mass.; No. 193, Morris Dauer, Clarkson and Albany Aves., Brooklyn, N. Y.; No. 194, C. B. Huddleston, Checotah, Okla.; No. 195, Olin E. Hill, 922 So. 4th St., Clinton, Iowa; No. 196, H. E. Kraft, 2819 West Juneau Ave., Milwaukee, Wis.; No. 197, John D. Laughlin, 602 First Central Bldg., Madison, Wis.; No. 198, J. M. Lea, 733 Main St., Danville, Va.; No. 199, Joseph Lo Pinto, U. S. Veterans' Hospital, Canandaigua, N. Y.; No. 200, John F. McCloskey, 3400 Canal St., New Orleans, La.; No. 201, H. W. Mantz, 18th and Buttonwood Sts., Philadelphia, Pa.; No. 202, Samuel Mushlin, 284 East Spruce St., Manchester, N. H.; No. 203, Edwin A. O'Hara, 165 South St., Jamaica Plain, Mass.; No. 204, Barnet Shapiro, 240 Humboldt Ave., Roxbury, Mass.; No. 205, Sister Michael Maloney, 215 North Ave., Mt. Clemens, Mich.; No. 206, Fred W. Tate, 5548 Washington Ave., St. Louis, Mo.; No. 207, Linwood M. Welch, 1314 Riggs St., N. W., Washington, D. C.; No. 208, Louis C. Zopp, College of Pharmacy, Iowa City, Iowa.

94. *Election of Life Member.* Dr. J. Leon Lascoff annually offers as a prize in the College of Pharmacy, Columbia University, a Life Membership in the A. PH. A. This year the prize has been awarded to Hymen Cohen, and Dr. Lascoff has forwarded his check for \$100.

On motion of Swain, seconded by Eberle and carried, the following was elected to Life Membership.

No. L. M. 1, Hymen Cohen, 915 Elsmere Place, New York, N. Y.

There being no further business the meeting adjourned.

The third meeting of the Council was held on Thursday forenoon, August 31, 1933, Chairman Hilton presiding. The other members present were Arny, Bradley, Day, Dunning, Philip, Slocum, Eberle, DuMez and Kelly.

The minutes of the Second Session were read and approved.

95. *Special Committee on Year Book*. Chairman George D. Beal read the report of the Committee:

"The Committee on YEAR BOOK begs leave to submit the following report.

"We have continued to study the problem assigned to us, namely, the future of the YEAR BOOK, and are more convinced than ever that the present Report on the Progress of Pharmacy, in spite of its scopefulness and careful preparation is not of sufficient service to the membership of the ASSOCIATION. It is our opinion that the literature of pharmacy must be covered more promptly than at present, and that this can only be done by the monthly publication of an abstract periodical. We were gratified that the Council has accepted this view and expressed itself as favorable to the inauguration of 'Pharmaceutical Abstracts.'

"The Committee, however, does not feel justified in recommending the immediate commencement of this program, realizing that the business situation, the occupation of the National Institute of Pharmacy, and other conditions probably make it impossible for the ASSOCIATION to give the financial support necessary for the launching of this publication. We shall therefore content ourselves with presenting the partial conclusions we have reached during the past year, leaving it to the Council to say whether or not our planning shall be continued.

"I. *Scope of the Journal*. We do not regard this publication as a potential competitor of other abstract periodicals such as *Chemical Abstracts* or *Biological Abstracts*. We would point out, though, that an inevitable overlapping will occur if the JOURNAL is to have sufficient appeal to receive the necessary support from subscribers.

"The classification of the literature to be covered may be expressed briefly as follows:

1. New remedies (proprietary and synthetic).
2. Medicinal chemicals.
3. Pharmacognosy and pharmaceutical botany.
4. Glandular products and vitamins.
5. Serums and vaccines.
6. Galenical preparations and manufacturing pharmacy.
7. Analytical chemistry.
8. Pharmacodynamics and toxicology.
9. Therapeutics.
10. Prescription practice.
11. Pharmacopœias, formularies and bibliographies.
12. Pharmaceutical economics and management.
13. Pharmaceutical education and legislation.
14. History and biography.
15. Patents.

"II. *Size of the Journal*.

Our YEAR BOOK for 1929 was made up as follows:

Group.	Abstracts.	%.	Pages.
Pharmacy	368	20.4	11.75
Materia Medica	137	7.6	38.75
New Remedies	253	14.1	26.50
Pharmacology	309	17.2	85.50
Chemistry Inorganic and Physical	49	2.7	11.75
Chemistry Organic	278	15.4	98.25
Chemistry Analytical	407	22.6	140.75
Total	1801	100.00	313.25

"There has been a feeling that the Report on the Progress of Pharmacy in the YEAR BOOK, while of undoubtedly sufficient scope as to subjects, has not adequately covered the publication field. As an annual volume this degree of scope may be adequate, for current publication it does not seem so. The chairman has therefore made a count of the number of abstracts appearing in the *Squibb Abstract Bulletin* over a typical six weeks' period during the past year with the following result:

Subject.	No. Abstracts.	Per Cent of Total.
Pharmacy	13	2.5
Materia Medica	154	29.5
New Remedies	96	18.4
Pharmacology	104	19.9
Chemistry Inorganic and Physical	14	2.7
Chemistry Organic	96	18.4
Chemistry Analytical	45	8.6
Total	522	100.0
Estimated total for year		4500

"The difference in percentage distribution in the above table is due largely to a different selection because of company interest.

"It will be difficult, without a careful study of all publications to be abstracted, to make a close estimate of the number of abstracts to be published.

"Realizing that the *Squibb Bulletin* abstracts a good deal that is not of direct pharmaceutical importance, and that the YEAR BOOK should be extended for the sake of completeness, we have arrived at an estimate of approximately 3000 abstracts per year, with about 500 patents in addition. This estimate is concurred in by Miss Pickering of the Squibb Library.

"There is much criticism of *Chemical Abstracts* because of the brevity of the individual abstracts. It is too often necessary to consult the original article for even major details. With a lengthier, but still carefully condensed style of abstract in our JOURNAL, it is believed that our abstracts will run about five to the page, present JOURNAL size. This will call for about 600 pages per year, plus those required for a comprehensive author and subject index, which may approach another 100 pages. The average paging per month, when the JOURNAL gets well under way, will approximate 60 pages. This estimate, however, is not for the first year, but for the JOURNAL in routine publication.

"III. Abstractors Required.

"There should be at least as many abstractors as there are sections in the JOURNAL. For some of these more than one will be required, while other abstractors will have to be selected because of their specific knowledge of languages. It is believed that the number of abstracting hours will approximate the number of abstracts, or a total of about 60 hours per week over the 52 weeks. If it is assumed that an editor will be provided for the journal, the assignment of articles, the indexing and a considerable amount of abstracting will be done by him. As to salaries of abstractors, it may be mentioned that the rate paid by *Chemical Abstracts* was \$3.25 per printed page, rather than per abstract, which for a 600-page journal would be under \$2000.00. Whether salaried abstractors will be required has not been agreed upon by the Committee.

"It is hoped, however, that a part of the abstracting can be done by forces engaged at present, and that abstracts from certain foreign countries can be obtained on a basis of exchange, which should considerably reduce our expenditures and perhaps eliminate all except that for the editorial office.

"IV. When Shall Publication Begin?

"The Committee believes that it should not make any recommendation, leaving that to those appointed to determine the policies and administer the finances of the ASSOCIATION. It does wish to point out, however, that 'Pharmaceutical Abstracts' need not begin as a separate journal, but that we may begin such publication at any time as a separate part of the JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION, discontinuing the YEAR BOOK at that time. When the ASSOCIATION decides to separate the Commercial and Scientific parts of the JOURNAL,

'Pharmaceutical Abstracts' will go with the latter section, to be split off eventually if circumstances dictate, or to be split off from the present JOURNAL if so required.

"In the opinion of your Committee, there will be less expense involved in adding the abstracts to the present JOURNAL than in inaugurating an abstract journal. The monthly publication of abstracts may be carried on experimentally while all of the abstracting policies, such as scope and length, are being established. The impressiveness and we are sure the popularity of the JOURNAL will be strengthened with an undoubted increase in the subscription list. The complaints regarding the staleness of the Report on the Progress of Pharmacy will be silenced. Finally, even 24 pages of abstracts in each issue of the JOURNAL will be more impressive than a separate 36-page abstract journal.

Recommendation. We recommend that the Report on the Progress of Pharmacy be replaced as soon as financially possible by the monthly publication of 'Pharmaceutical Abstracts.'

"We further recommend that during the first year or more these be published in the JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION, with separate paging and indexing, to be set up as a separate journal when a demand is established therefor.

"We also call attention to the fact that much space may be made available in the present JOURNAL by publishing the full roster of committees, boards, etc., only quarterly or semi-annually, making available over 100 additional pages for publication of abstracts."

After general discussion the report was referred to the Committee on Publications for consideration and action, upon motion of Day, seconded by Dunning and carried.

96. *Pharmacy Exhibit at the Century of Progress.* It was moved by Day that engrossed resolutions be prepared and forwarded to H. C. Christensen and that suitable letters be forwarded to F. B. Kirby and Julius Riemenschneider expressing the appreciation of the Council for their work as chairman, secretary and treasurer, respectively, of the committee which had charge of the exhibit.

97. *Vacation for the Secretary.* In the absence of the secretary from the meeting, it was moved by Dunning, seconded by all present and carried, that the secretary be hereby directed to begin, within fifteen days, a vacation of three weeks with a complete discontinuation of all A. PH. A. work.

98. *Salary of the Secretary and the Editor of the Journal.* On motion of Bradley, seconded by all members present, Secretary Kelly was directed to draw his full salary and that the Editor be requested not to contribute any portion of his salary to the ASSOCIATION'S expenses.

99. *American Council on Pharmaceutical Education.* D. F. Jones read the following report, signed by himself, E. F. Kelly and H. A. B. Dunning, the A. PH. A. representatives on the Council:

"The final steps in the creation of the Council on Pharmaceutical Education were taken at the Toronto meeting held just about one year ago. Immediately thereafter, the Council representatives, who were present, met and formed a tentative organization on the assumption that such action would enable the Council to begin functioning almost immediately. Unfortunately, the membership of the Council was not completed until January of this year, which held back the work for several months in spite of the foregoing precautions taken to prevent delay.

"Immediately after the membership of the Council was completed, a permanent organization was set up, E. F. Kelly serving as chairman and A. G. DuMez as secretary.

"At the meeting held in Toronto, it was agreed that the setting up of standards for schools of Pharmacy should be the first work undertaken by the Council, and that the standards suggested by Dean Leigh in his presidential address last year be used as the basis for beginning the work. The actual beginning of the work was, however, deferred at the suggestion of the representative of the American Council on Education, who was of the opinion that an effort should first be made to secure the support of the schools which do not hold membership in the American Association of Colleges of Pharmacy and are, therefore, not represented in the present make-up of the Council. The representative of the American Council on Education volunteered to attempt to secure the cooperation of these schools, and the matter was therefore left in his hands. The progress which he has made in this direction cannot be reported at this time, as he was compelled to go to Europe and is not expected to return until the middle of September. During the meantime, however, the secretary of the Council has been assembling data and perfecting plans for going ahead with the work.

"At the Second Meeting of the Council which was held on Sunday evening, August 27, 1933, it was decided to go forward immediately with the program as originally planned, using Dean Leigh's suggested standards as a basis upon which to begin work.

"To defray the expenses of getting started and carrying out the work contemplated for the coming year, the attached budget was approved. As this expense is to be shared equally by each of the three associations represented, it is recommended that an appropriation of \$300.00, our proportionate share, be made for this purpose by the ASSOCIATION."

Filing cabinets.....	\$ 50.00
Stationery and office supplies.....	75.00
Stenography.....	150.00
Printing and mimeographing.....	150.00
Assistance in securing and tabulating data.....	150.00
Postage and express charges.....	75.00
Telephone calls and telegrams.....	50.00
Travelling expenses.....	100.00
Miscellaneous items.....	100.00
Total.....	<u>\$900.00</u>

100. *Committee on Unofficial Standards.* The report of the Committee was read by Chairman Krantz:

"*Organization.* Since the presentation of the 1932 report, the personnel of the Committee on Unofficial Standards of this ASSOCIATION has remained practically unchanged. 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.

"*Progress of Work.* Last year Doctor Rose submitted a tentative monograph for a preparation containing the glucosides of digitalis suitable for injection. During this year the committee has extensively studied this preparation in collaboration with Dr. James C. Munch, and we feel that a more or less stable and dependable digitalis preparation has been devised. At the Pocono meeting of the Revision Committee of the United States Pharmacopœia, Doctor Scoville spoke of the desirability of including a preparation of this type in the forthcoming revision of the Pharmacopœia. The Committee on Unofficial Standards submitted its work to Doctor Scoville to be studied further for the purpose of including the monograph in the Pharmacopœia.

"*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."

It was received on motion of DuMez, seconded by Army and carried.

After a general discussion of the work of the Committee and upon the suggestion of Chairman Krantz, the committee was discontinued, on motion of Bradley, seconded by Philip and carried, since there seems to be no present need for the committee.

101. *Expenses of the President and the Contacting of Graduates of the Schools and Colleges of Pharmacy.* President Philip submitted suggestions dealing with these subjects which, after discussion, were referred to the Committee on Finance for study when the finances of the ASSOCIATION justify, on motion of Bradley, seconded by Army and carried.

102. *Reprints of the President's Address.* It was moved by Dunning, seconded by Army and carried, that fifty reprints of his address be sent complimentary to the retiring president.

The meeting then adjourned.

The Fourth Meeting of the Council of 1932-1933 was held on Friday evening, September 1, 1933. Chairman Hilton presided and the other members present were Army, Bradley, Day, Eberle, DuMez, Slocum and Kelly.

The minutes of the Third Meeting were read and approved.

The chairman announced that the work of the Council was completed and declared the Council adjourned.

E. F. KELLY, *Secretary*.

THE COUNCIL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION, 1933-1934.

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

LETTER NO. 1.

September 1, 1933.

To the Members of the Council:

The reorganization and First Meeting of the Council 1933-1934 was held in the Hotel Loraine, Madison, Wisconsin, on Friday, September 1, 1933, beginning at 10:25 P.M.

1. The roll was called and the following were present: Army, Adams, Swain, Krantz, Fischelis, Hilton, Kelly, Eberle, DuMez and Costello.

2. *Election of Chairman.* S. L. Hilton was elected Chairman of the Council for 1933-1934 on motion of Swain, seconded by Army and carried.

3. *Election of Vice-Chairman.* C. H. LaWall was elected Vice-Chairman of the Council for 1933-1934 on motion of Army, seconded by Adams and carried.

4. *Election of Editor of the Journal.* E. G. Eberle was elected Editor of the JOURNAL for 1933-1934 on motion of Adams, seconded by Fischelis and carried.

5. *Election of Editor of the Year Book.* A. G. DuMez was elected Editor of the YEAR BOOK for 1933-1934 on motion of Eberle, seconded by Army and carried.

6. *Membership of the Council.* The membership and officers of the Council for 1933-1934 are as follows:

ELECTED MEMBERS.

- 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.)
 H. V. Army, 115 W. 68th St., New York, N. Y. (Term expires 1936.)
 H. C. Christensen, 130 N. Wells St., Chicago, Ill. (Term expires 1936.)
 W. D. Adams, Forney, Texas. (Term expires 1936.)

EX-OFFICIO MEMBERS.

- R. L. Swain, 2411 N. Charles St., Baltimore, Md.
 R. P. Fischelis, 28 W. State Street, Trenton, N. J.
 John C. Krantz, Jr., 2411 N. Charles St., Baltimore, Md.
 E. F. Kelly, 10 West Chase St., Baltimore, Md.
 C. W. Holton, Box 81, Essex Fells, N. J.
 P. H. Costello, Cooperstown, N. Dak.
 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 R. L. Swain, Chairman, C. H. LaWall and C. W. Holton as members of the Committee on Finance, and these appointments were confirmed on motion of Adams, seconded by DuMez 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 1933-1934: R. L. Swain, C. W. Holton, S. L. Hilton, H. C. Christensen and E. F. Kelly.

9. *Committee on Publications.* Chairman Hilton appointed H. V. Army, C. H. LaWall and Walter D. Adams 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 Adams, seconded by Costello. 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 appointed the following members: Geo. D. Beal, Chairman, F. W. Nitardy, H. W. Youngken, E. N. Gathercoal, E. E. Swanson, J. C. Munch and J. C. Krantz, Jr.

12. *Executive Committee of the Council.* It was moved by Army 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 Adams and carried.

13. *Committee on Pharmaceutical Research.* On motion of Fischelis, seconded by Adams and carried, H. V. Army and C. H. LaWall were elected members of this Committee to serve until 1938.

14. *Commission on Proprietary Medicines.* C. E. Caspari was elected a member of this Commission to serve until 1938, on motion of DuMez, seconded by Krantz and carried.

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

It was moved by Army that a special committee be appointed to study the matter of putting the Committee on Recipe Book on a ten-year basis and also its personnel. The motion was seconded by Fischelis and carried.

16. *Appointment of Standing and Special Committees and Delegates of the Association.* The president was authorized, on motion of Adams, seconded by Army 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.

The meeting then adjourned.

E. F. KELLY, *Secretary.*

To Dr. and Mrs. Edward Kremers in appreciation of hospitality to their guests at the lawn party given at their home to visiting friends of the AMERICAN PHARMACEUTICAL ASSOCIATION.

Last evening as we stood upon your lawn
And looked around the lovely country side,
How beautiful it was at eventide!
How splendid must it be at early dawn!

You chose a charming spot your home to rear,
So neatly placed upon the gentle slope,
That on each side you get the fullest scope
Of landscape spreading far and wide and clear.

We saw it first in all its wide extent
With full horizon circled to our view;
We saw Mendota, lying clear and blue,
Serenely calm and placidly content.

Then, as the sun sank slowly out of sight
And shadows fell upon the lovely scene,
A peaceful silence, simple and serene,
Descended with the duskiness of night.

Then o'er the scene there came a gradual
change;

The moon, near full, rose steadily on high

And stars began to twinkle in the sky,
Effecting a new picture, quaintly strange.
We stood awhile close wrapped in night's embrace

Then went within your neat and cozy home.
Our feelings there were those which surely come
To all who enter first your peaceful place.

Its atmosphere reflects your own fine calm,
Your dignity most courteous and benign.
We understand it was your own design—
Like ancient Horace with his Sabine Farm.

How fortunate you are in your retreat
From all the bickerings and all the strife
From all the noise and din of city life;
Your joys of home must surely be complete.

The evening meal kept all of us employed,
For every one partook with keen delight
Such food, indeed, went well with such a night
The whole of which we thoroughly enjoyed.

We wish that you should know just how we feel
About you, and about your lovely home
May happiness for many years to come
Be yours—with friendships, many true and real.

WAYLAND D. WILCOX.

REPORT OF THE FAIRCHILD SCHOLARSHIP EXAMINATION.

A special committee on Fairchild Scholarship reported at the Toronto meeting and suggested a plan of examination. This committee was composed of Prof. C. C. Glover, Chairman, University of Michigan; Dr. Glenn L. Jenkins, University of Maryland; Dr. F. A. Gilfillan, State College, Corvallis, Oregon. It so happened that the University of Michigan had no candidate to present this year and Professors C. C. Glover, C. H. Stocking, F. F. Blicke and J. L. Power kindly consented to prepare the examination questions and grade the papers. It was, therefore, an opportunity for Chairman Glover to make use of the report of the Special Committee.

Twenty-seven candidates participated in the examination; it will be noted that several tied in averages, hence 22 averages are listed. The pharmacy school records extended over different periods and the results may be of interest. Fourteen had concluded a course in Pharmacy, extending over three years; their averages were, respectively, 44, 50, 51, 52, 53, 56, 58, 60, 62, 63, 64, 65, 74, 75. Ten of the candidates had completed a four-year course and their averages are: 81, 79, 73, 72, 69, 67, 63, 59, 58, 41. One candidate has carried on work for five years and made an average of 58. Two candidates with six-year records, were graded 74 and 59, respectively. Eighteen schools were represented in the examinations. The subjects were given under the following divisions: Chemistry, Materia Medica and Pharmacy. The results are given in the following tabulation:

	Chemistry.	Materia Medica.	Pharmacy.	Average.
1	65	94	84	81
2	76	86	76	79
3	71	84	72	75
4	70	75	79	74
4	63	86	74	74
5	61	87	71	73
6	73	84	60	72
7	66	74	67	69
8	43	86	73	67
9	50	84	63	65
10	50	82	60	64
11	49	80	61	63
11	43	81	66	63
12	59	78	51	62
13	52	76	54	60
14	36	86	57	59
14	30	78	70	59
15	36	77	63	58
15	60	63	53	58
15	30	84	61	58
16	53	77	39	56
17	25	77	59	53
18	37	66	53	52
19	25	77	54	51
20	30	51	69	50
21	17	68	48	44
22	25	63	37	41

There were twenty-seven candidates, several of whom tied in their general averages. The general averages for the twenty-seven candidates are: Chemistry, 48; Materia Medica, 78; Pharmacy, 62.

The first candidate in general average, 81, is a student of a four-year course. He was fifth in Chemistry, first in Materia Medica and first in Pharmacy. The second candidate, 79, was first in Chemistry, third in Materia Medica, third in Pharmacy. The third candidate, 75, ranks third in Chemistry, tied with three others in Materia Medica for sixth place, was sixth in Pharmacy. Two, on average, tied for fourth place, one stood fourth in Chemistry, twentieth in Materia

Medica, second in Pharmacy; the other was sixth in Chemistry, tied with four for third place in Materia Medica, fourth place in Pharmacy. There are a number of unusual standings but these will happen. Perhaps gradings of candidates from the same school may be of interest: Average 69 and 79; Chemistry, 66 and 76; Materia Medica, 74 and 86; Pharmacy, 67 and 76. Average, 75 and 74; Chemistry, 71 and 63; Materia Medica, 84 and 86; Pharmacy, 72 and 74. Average, 41 and 59; Chemistry, 25 and 36; Materia Medica, 63 and 86; Pharmacy, 37 and 57. Average, 58 and 72; Chemistry, 36, 73; Materia Medica, 77 and 84; Pharmacy, 63 and 60. Average, 62 and 58; Chemistry, 59 and 60; Materia Medica, 78 and 63; Pharmacy, 51 and 53. Average, 63 and 56; Chemistry, 49 and 53; Materia Medica, 80 and 77; Pharmacy, 61 and 39. Average, 64 and 60; Chemistry, 50 and 52; Materia Medica, 82 and 76; Pharmacy, 60 and 54. Average, 58 and 51; Chemistry, 30 and 25; Materia Medica, 84 and 77; Pharmacy, 61 and 54. Average, 50 and 53; Chemistry, 30 and 25; Materia Medica, 51 and 77; Pharmacy, 69 and 59.

The chairman desires to thank his colleagues for their support and the members of the Examining Committee for their helpfulness; he hopes that he has not taxed their patience.

The winning candidate is Miles Edward Drake, of the Oregon Agricultural College, School of Pharmacy, Corvallis. He graduated from High School and entered as a freshman in the School of Pharmacy, September 27, 1929, and graduated June 5, 1933, with the degree of B.S.

W. BRUCE PHILIP

C. H. STOCKING

CLARE ALLAN

E. G. EBERLE, *Chairman.*

MILES EDWARD DRAKE.

(Winner of the Fairchild Scholarship for 1933.)

Miles Edward Drake was born in Salt Lake City, Utah. He received his earlier education



MILES EDWARD DRAKE.

in Oregon and was graduated from Franklin High School, Portland, June 17, 1927, receiving his highest grades in science subjects; during his high school and later college career he took an active part in athletics, winning his letter in soccer. After leaving high school he had one year of surveying experiences and one year of office work with the United States Bureau of Public Roads.

In 1927, he entered the Oregon State College School of Pharmacy and received his B.S. degree in Pharmacy, June 5, 1933. In addition to completing the pharmacy curriculum, he took special work in bacteriology.

He is a former president of the Oregon State College Pharmaceutical Association and of Rho Chi Chapter, member of Phi Kappa Phi, all-institution honor student of the College and a member of Alpha Tau Omega social fraternity, and was awarded the Lehn & Fink medal in 1933. He passed the Oregon State Board of Pharmacy examinations with a high average. His home address is 6123—83rd Ave., S. E., Portland, Oregon.

The Drug and Cosmetic Industry has issued the second edition of the "Drug and Cosmetic Catalog," edited by Francis Chilson. The volume contains about 350 pages and its table of contents includes Machinery and Packaging, Raw Materials, Statistics and Association.

ABSTRACTS OF PAPERS PRESENTED BEFORE SCIENTIFIC SECTION, AMERICAN PHARMACEUTICAL ASSOCIATION, MADISON MEETING, 1933.

"Assay for Benzoate and Salicylate," by Jacob Schmidt and John C. Krantz, Jr.—A rapid volumetric method has been devised for the determination of sodium salicylate and benzoate, which consists of titrating the alkali in combination with the organic acid in the presence of ether in methyl orange.

"Detection of Small Quantities of Carbon Monoxide in Medicinal Oxygen," by Jacob E. Schmidt and John C. Krantz, Jr.—A method has been devised to determine small quantities of carbon monoxide in medicinal oxygen by a modification of the iodine pentoxide method.

"The Water Content of Magnesium Oxide," by Jacob E. Schmidt and John C. Krantz, Jr.—A study has been made of various commercial samples of light and heavy magnesium oxide in respect to the amount of water that might be found present. The water content of the oxide was compared under several conditions.

"The Barbituric Acid Derivatives as Drugs," by J. H. Graham.—This paper, which is a brief but comprehensive review of the literature during the last thirty years, on the derivatives of barbituric acid used as drugs, calls attention to the numerous new preparations, many of which are being actively experimented with in research laboratories; enumerates their important physiological properties; emphasizes their toxic properties; and, finally urges that pharmaceutical and medical societies endeavor to bring about proper legislation toward prevention of promiscuous sale of these drugs, and the prevention of the use of the same by the laity except on physician's prescription.

"The Gravimetric and Volumetric Determination of Antipyrine as Hydroferrocyanide in the Presence of Amidopyrin," by I. M. Kolthoff.—In acid medium antipyrine gives a crystalline precipitate with ferrocyanide having the composition $(C_{11}H_{12}N_2O)_2H_4Fe(CN)_6$. By means of this precipitation reaction 2.5 mg. antipyrine can be detected in 5 cc. of solution. A gravimetric and volumetric procedure has been described for the quantitative estimation of antipyrine in the form of its hydroferrocyanide. The method can be applied in the presence of pyramidon.

"Tincture of Digitalis," by L. W. Rowe and W. L. Scoville.—A continuation of the work reported two years ago. Three series of five samples each, and varying in many particulars, were subjected to stability tests and it was found that only the samples which contained anhydrous sodium acetate were fairly stable in activity. A formula for the preparation of Tincture Digitalis is offered as a definite subject for consideration.

Also a continuation of work reported two years ago. Four series of three samples each varying in some important particular were subjected to stability tests and it was found that the use of a small amount of hypophosphorous acid seemed to retard deterioration.

PHARMACY WEEK NATIONAL WINDOW CONTEST.

ANTON HOGSTAD, JR., NATIONAL CHAIRMAN, PHARMACY WEEK EXECUTIVE COMMITTEE, 161 SIXTH AVE., NEW YORK, N. Y.

The Federal Wholesale Druggists' Association has donated a beautiful silver cup to be awarded by the National Executive Committee on Pharmacy Week for the best professional window display exhibited in any retail pharmacy in the United States during Pharmacy Week, October 9 to 14, 1933.

RULES OF CONTEST.

1. A professional window display, it has been determined, is a display picturing any subject pertaining to professional pharmacy, pharmaceutical education, legislation, literature, etc.
2. The best professional window display will be selected from photos taken of windows dressed in accordance with Rule 1 of the Contest, and submitted as follows:

(a) The secretary of each state pharmaceutical association will send in to National Pharmacy Week headquarters, 161 Sixth Ave., New York, N. Y., the photo of the best professional window display of his state. He may determine the best display by a state contest or by some other method which he or his association may select.

(b) No photos may be sent direct by contestants to National Pharmacy Week headquarters—they must be sent to the secretaries of the state associations to which the contestants belong, for competition in the state contests. The secretary of each state association will then mail the winning photograph in his state to National Pharmacy Week headquarters for competition in the National Contest.

(c) The District of Columbia will be considered as a state association and the secretary of its pharmaceutical association will submit the winning photograph to National Pharmacy Week headquarters to be entered in the National Pharmacy Week Window Contest.

3. Photos submitted must show the entire window. The photos must be large enough so that details of display will be plainly shown and, although no definite restrictions are made, it can hardly be expected that this could be accomplished in a photo smaller than 5" x 7"; 8" x 10" being the ideal size.

4. Competing windows must be non-commercial although manufactured pharmaceutical, chemical and biological products which are related to the practice of professional pharmacy may be displayed. Merchandise unrelated to professional pharmacy must not be displayed. Price tags must not be used.

5. No photos will be accepted as eligible for the National Pharmacy Week Window Contest if postmarked later than midnight of Dec. 1, 1933.

6. The winner of the 1933 contest will be decided by a committee of five judges, consisting of prominent pharmaceutical figures from the city of Chicago.

7. Announcement of award of the championship trophy will be made through the pharmaceutical journals of the nation and the silver cup will be formally presented to the winner.



An Exhibit of Preparations of the Pharmaceutical Recipe Book, A. Ph. A., by Chairman J. Leon Lascoff, displayed at the Madison meeting of the AMERICAN PHARMACEUTICAL ASSOCIATION; it shows the possibilities for Pharmacists.
