

I acknowledge that I owe the success to those who have at all times been so willing to help and coöperate.

I have great admiration for the past of this Association and profound faith in its future. I believe that every penny which the N. A. B. P. has spent and is spending in its budgets for making reciprocity more general, assisting in legislation, rendering examination help, gathering statistics, promoting studies, etc., has yielded far greater returns for pharmacy and the practicing pharmacists of the country than could otherwise have been accomplished. Through this, we have learned the advantages of and necessity for coördination and coöperation in our efforts. We are no longer insular in our ideas. We have found out that what is good for one state is good for another, and thus are profiting by the experiences of other states and abandoning the slow method of working out our problems altogether by ourselves. The age in which we live demands efficiency and assumes a scientific, fact-finding altitude even in business. No one board has the resources to carry out such a policy, but by pooling our interests in our national body, the N. A. B. P., we are able to work out our problems mutually with modern efficiency and to be a strong force in the uplift of pharmacy to the professional status which it should enjoy.

PROCEEDINGS OF THE LOCAL BRANCHES

"All papers presented to the Association and Branches shall become the property of the Association with the understanding that they are not to be published in any other publication prior to their publication in those of the Association, except with the consent of the Council."—Part of Chapter VI, Article VI of the By-Laws.

ARTICLE III of Chapter VII reads: "The objects and aims of local branches of this Association shall be the same as set forth in ARTICLE I of the Constitution of this body, and the acts of local branches shall in no way commit or bind this Association, and can only serve as recommendations to it. And no local branch shall enact any article of Constitution or By-Law to conflict with the Constitution or By-Laws of this Association."

ARTICLE IV of Chapter VII reads: "Each local branch having not less than 50 dues-paid members of the Association, holding not less than six meetings annually with an attendance of not less than 9 members at each meeting, and the proceedings of which shall have been submitted to the JOURNAL for publication, may elect one representative to the House of Delegates."

Reports of the meetings of the Local Branches shall be mailed to the Editor on the day following the meeting, if possible. Minutes should be typewritten, with wide spaces between the lines. Care should be taken to give proper names correctly and manuscript should be signed by the reporter.

NEW YORK.

The April meeting of the New York Branch of the AMERICAN PHARMACEUTICAL ASSOCIATION was held at the College of Pharmacy, Columbia University, on Monday, the 14th, the chair being taken by President Robert R. Gerstner. About 75 members were present, of whom 31 attended the Get-Together Dinner which preceded the meeting.

The minutes of the March meeting were read and approved.

Chairman Lehman of the Committee on Education and Legislation, reported that the so-called "Druggists' Bill" was defeated in

the State Assembly. He also stated that the bill, introduced by the New York State Pharmaceutical Association, embodying amendments to the pharmacy law of the State had passed both houses and was awaiting the Governor's signature. In regard to National Legislation, he reported on the present standing of the Capper-Kelly Bill, H. R. 11, the Williamson Bill, H. R. 8574, and the Johnson Bill, H. R. 6996; this last provides for a commissioned medical service in the Veterans' Bureau; the AMERICAN PHARMACEUTICAL ASSOCIATION, the American Association Colleges of Pharmacy and the National Associa-

tion Boards of Pharmacy are making strenuous efforts to have pharmacists included in the service.

Dr. Schaefer, in reporting for the Remington Honor Medal Committee, stated that Prof. Edward Kremers, of the Pharmacy Department of the University of Wisconsin had been elected to receive the Remington Honor Medal; that the award would be made at the Banquet of the A. Ph. A. Convention on May 6th, at Baltimore.

A motion was made that the Branch meeting scheduled for May be omitted in view of the fact that the National Meeting is being held in Baltimore at the time.

Chairman Dyer of the Committee on the Progress of Pharmacy, gave a list of some new remedies and read several interesting abstracts.

The President then introduced Dean Ernest Little of the Rutgers University College of Pharmacy who outlined the Research Program of the college. Dr. Little said that, at the present time, they had two Research Fellowships, one established by Merck & Co. and the other by the Kraft-Phenix Corporation; besides this, all members of the faculty had opportunities for and were encouraged in, individual research. The Research Department, of which Dr. Lloyd K. Riggs is the Director, has contributed three important papers on "Digitalis" to the *Journal of Pharmacology and Experimental Therapeutics*. The Department has produced an Egg-Substitute Powder, having 98% of the efficiency of fresh eggs, and also Velveeta, which has become the best-selling cheese specialty on the market.

Dr. Little introduced Dr. Riggs, who spoke at length, with the aid of charts, on Vitamin B and its influence on the growth of animals; his work showed that this was lacking in the Wisconsin formula used in testing the growth of animals and that when it was added, healthy normal growth resulted. He said that the Department had recently prepared, from vegetable sources, a Vitamin A extract which was equivalent in Vitamin A potency to cod liver oil. He then spoke of the cooperation of the Department with the City Hospital and the Health Department of Newark; in this connection he mentioned an interesting case, in which a diagnosis of cancer of the stomach proved, from an examination of the gastric mucosa, to be erysipelas. In conjunction with Dr. Fronda he had worked out a method for the determination of the changes of hydro-

gen-ion concentration in bacterial cultures involving the use of only one loopful of material.

Dr. William Nyiri, introduced by Dr. Little, spoke of his work under the Merck Research Fellowship on the standardization of heart tonics by the methods now in use in the United States and Europe—the League of Nation's method, the U. S. P. method, Ulman's method and others. He mentioned many problems encountered in the use of the various types of warm and cold-blooded animals, and pointed out the progress he had made toward obtaining more reliable results for the standardization of digitalis preparations.

A discussion followed, after which a rising vote of thanks was extended to the speakers.

HERBERT C. KASSNER, *Secretary*.

NORTHERN OHIO.

The March meeting of the Council of the Northern Ohio Branch of the AMERICAN PHARMACEUTICAL ASSOCIATION was held at Hayden Hall, March 13th. Dr. K. K. Chen, Director of Pharmacologic Research, Eli Lilly and Company, was guest at the dinner and speaker for the general meeting.

During the dinner, reports of the officers and committees were presented and accepted. The Program Committee reported that Prof. E. Fullerton Cook, Chairman of the Committee on Revision of the U. S. P. X, would address the Branch on April 11th.

After adjournment of the council the members joined the general membership in the auditorium of the Biology Building and Dr. K. K. Chen presented a paper on "Recent Studies of Ephedra and Ephedrine."

Dr. Chen gave an illustrated talk on the production of Ma Huang, and the chemistry and pharmacology of the active principles. The following are the main points discussed in his lecture:

Ma Huang was known as *Ephedra vulgaris* var. *helvetica* but has now been given a new name, *E. Sinica*. In commerce there is another Chinese species *E. equisetina*, which is also sold under the name of Ma Huang. These species present pharmacognostic characteristics that can be used for identification.

The active principle, ephedrine, can be easily identified by its physical constants and some chemical tests. There are five other alkaloids that occur in small amounts in Ma Huang.

Dr. Chen has determined a racial difference in the mydriatic action of ephedrine, powerful

in Caucasians, but very weak in the colored races.

Of six optical isomers, natural or *l*-Ephedrine is most active physiologically. None of the synthetic compounds have proven to be superior to ephedrine.

Clinically, ephedrine has been successfully used in spinal anæsthesia in combating the fall of blood pressure. In conclusion Dr. Chen stated that most of the advances in the clinical uses of ephedrine have been made during the last six years, and gave a survey of the work done on ephedra and ephedrine. He also demonstrated a chemical test to distinguish Pseudo-Ephedrine from Ephedrine.

F. J. BACON, *Secretary*.

NORTHWESTERN.

An educational meeting of the Branch was held in the auditorium of the College of Pharmacy, University of Minn., Minneapolis, on Thursday, May 1st.

President Almin called upon Dean Wulling to introduce Dean Ziefe, of the College of Pharmacy, Corvallis, Ore. Dean Ziefe spoke in glowing terms of the equipment and building of the University of Minnesota College of Pharmacy and gave due credit to Dean Wulling for his untiring work for the students and the pharmacists of the northwest.

The president then presented Dr. C. H. Rogers, who read and abstracted the thesis of Louis P. Mayrand, M.S., upon "The Use of Aluminum and Stannous Chloride in the Gutzeit Test for Arsenic." Mr. Mayrand established some very interesting facts in connection with his work. This thesis will probably be published in the near future, so details are omitted in these minutes.

C. V. NERTZ, *Secretary*.

PHILADELPHIA.

The April meeting of the Philadelphia Branch of the AMERICAN PHARMACEUTICAL ASSOCIATION was held at the Philadelphia College of Pharmacy and Science Tuesday, April 8th. The meeting was called to order by President Dunn. He outlined the character of the meetings for the year and emphasized that instead of catering to commercial pharmacy, the aim of the Branch will be to foster scientific meetings. The topics to be presented and discussed will be of a popular nature so that our meetings will be both instructive and enjoyable to all.

President Dunn explained that the program

of the evening would be in two parts; the first hour to be devoted to 5-minute reports by prominent men on the relationship of pharmacy to the following: Medicine, education, hospital, manufacturing and legislation. Discussion followed each report.

The first speaker of the evening was Dr. William Duffield Robinson on the relationship of pharmacy and medicine. He brought forth a plan for the closer relationship of pharmacy with all allied sciences. He suggested establishing an organization representative of every branch concerned with medicine, pharmacy, chemistry, health and education. The name he suggested was "Forum of Medicine and Science," and the membership to consist of the officers, past and present, of all organizations. This would be a high grade of membership and capable of discussing the inter-relationship of the many sciences so intimately grouped.

Discussion by Professor Cook, Mr. McNeary, Dr. Viehoever and Mr. Vanderkleed followed. It was suggested that a dinner might be arranged when Dr. Robinson's idea would be further discussed, and possibly crystallize it into definite plans.

Dean LaWall spoke on "Pharmacy and Education." The progress in educational requirements of pharmacy over a period of years was outlined; education for pharmacists in the past and to some extent at present has been and is too practical or vocational—the brain should be trained as well as the hand. Students in the past came to the college of pharmacy because they wanted an education and now they come because they must have an education and, to properly prepare the present day students, they must be given a broad training and foundation whereby they will be fitted mentally and vocationally.

Members Cook, Lewis and Vanderkleed discussed the topic, all agreeing that a broader training is essential.

Professor Cook reported on Pharmacy and Economics. Scientific business methods are a necessity and they must embody the principles of truth and honesty. He explained the division of pharmacies into commercial and professional types as a future policy. This, he explained, could be worked out successfully in populous territory but a professional pharmacy in country territory would meet with difficulties.

Mr. Goodhart discussed the subject in relation of physician, pharmacist and the price

of prescriptions. He said that if the dispensing physicians would write prescriptions, then the volume of such business would reduce the cost of prescriptions.

Mr. Vanderkleed demonstrated a new ampul-filling apparatus which is especially adapted for accurate delivery of any amount of solution within the range of the syringe used for measuring.

"Hospital Pharmacy" was Mr. McNearly's topic. He said that the hospital pharmacy was a fertile field for demonstration of scientific and professional pharmacy, but a broader and more basic education is necessary to solve this problem. He pointed out the serious problem arising from the filling of prescriptions by hospitals for out-patients. Such service was termed unfair competition to retail druggists.

Dr. Pearson commented upon hospital prescription practice referred to by Mr. McNearly and said he was opposed to such practice.

Mr. Slothower read an interesting paper on "Hydrogen-Ion Control of Pharmaceutical Preparation." He showed how many preparations can be rendered stable by proper pH control.

The chief speaker of the evening was Dr. Arno Viehoever of the Philadelphia College of Pharmacy and Science whose subject was "Testing Drugs with Lower Animals." First an explanation of the apparatus used in the demonstration was given by Mr. Lewis. The machine was developed in the College by John B. Lewis and built in the school by William Merkins. It makes projection of living organisms, greatly magnified, possible.

The daphnia or water flea and hydra were projected, magnified about 400 diameters, and showed the heart, intestines, eye and gland systems in action.

This machine has an optical limit at present of about 12,500 magnifications and has been used to show protoplasmic motion in the single living cell. Dr. Viehoever explained the value of such apparatus in the physiological testing and evaluation of drugs. Since the lower animals react to the same stimuli as man, we have life clearly enacted in a wide range, under normal and abnormal conditions and the actual visualization thereof. It is possible by these means to show what materials are drugs and their specific activity.

Due to the numerous interesting topics heard and discussed at this meeting, the regular business of the Branch was postponed until next meeting.

HUGO RIEVE, *Secretary*.

PITTSBURGH.

A joint meeting of the Pittsburgh Branch of the AMERICAN PHARMACEUTICAL ASSOCIATION, the Students' Branch of the School of Pharmacy of the University of Pittsburgh, and the Pittsburgh Veteran Druggists' Association, was held May 1st, at Webster Hall, Pittsburgh, Pa.

This occasion marked the fourth annual banquet and joint meeting of the aforementioned organizations. Dinner was served to about sixty-five members and guests.

The meeting was called to order by President John G. Rees, of the Pittsburgh Branch, A. Ph. A., who introduced Dr. C. Leonard O'Connell under whose supervision a program had been prepared for the evening; Dr. O'Connell spoke of the organization of the Students' Branch at the School of Pharmacy and indicated that remarkable progress had been made.

President R. D. Coombs, of the Students' Branch, was introduced and took charge of the meeting. He indicated the appreciation of the Student body to the Pittsburgh Branch for their cooperation in establishing this student activity at Pitt. He then presented the speakers of the evening. The program consisted of original essays prepared by members of the Student Branch.

Robert S. Ross spoke on "The Value of Association to a Student." C. Reinsel selected as his subject "Development through Organization." D. Guist considered the "Pharmacist and Patriotism." Charles Freud presented for consideration "Progress in Pharmacy." Melvin Green spoke on "Our Debt to Pharmacy."

The subjects were well selected and prepared. The Pittsburgh Veteran Druggists' Association made two awards.

The judges, Drs. James H. Beal, J. A. Koch and P. G. Walter decided in favor of Mr. C. Reinsel, first award, and Mr. Melvin Green, second.

Dr. Beal spoke for the judges. The awards were made by C. L. O'Connell in behalf of the Pittsburgh Veteran Druggists' Association.

Charles E. DeBone was presented to the group. He was elected by the Students' Branch to attend the convention of the AMERICAN PHARMACEUTICAL ASSOCIATION, at Baltimore.

In conclusion, Dr. O'Connell presented many prominent persons in Pharmacy who indicated their enjoyment of the evening.

FRANK S. MCGINNIS, *Secretary*.

RESOLUTIONS AND RECOMMENDATIONS ADOPTED BY THE AMERICAN PHARMACEUTICAL ASSOCIATION AT ITS SEVENTY-EIGHTH ANNUAL MEETING AT BALTIMORE, MD., MAY 5 to 10, 1930, UPON RECOMMENDATION OF THE HOUSE OF DELEGATES, THROUGH ITS COMMITTEE ON RESOLUTIONS.

PRESIDENT DUNNING'S ADDRESS.

We desire to commend the Presidential Address of Dr. H. A. B. Dunning as an able, comprehensive and thought-provoking document. We have given his recommendations, specific as well as implied, serious consideration and the Resolutions numbered 1 to 15 are offered as the recommendations of this Committee with reference to the subjects touched upon by our President.

No. 1. Congratulations on Twenty-fifth Anniversary of the Founding of the Council on Pharmacy and Chemistry.

Resolved, that the congratulations of the AMERICAN PHARMACEUTICAL ASSOCIATION be tendered to the American Medical Association upon the twenty-fifth anniversary of the founding of the Council on Pharmacy and Chemistry, and be it further

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION expresses its appreciation of the work of W. A. Puckner, Secretary of the Council on Pharmacy and Chemistry, American Medical Association, who is at present the only pharmacist connected with the Council, and be it further

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION expresses the hope that in filling future vacancies on the Council cognizance be taken of the contribution of the late M. I. Wilbert and C. S. N. Halberg to the work of this important body and that pharmacists may again be represented in its personnel to the extent originally contemplated.

No. 2. New and Non-Official Remedies.

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION commend the general excellence and usefulness of New and Non-Official Remedies published by the American Medical Association and that pharmacists everywhere be urged to place this volume upon their shelves of reference works with the U. S. P., N. F. and Recipe Book.

No. 3. Headquarters Building Contributions.

Resolved, that the thanks of the AMERICAN PHARMACEUTICAL ASSOCIATION be conveyed to the Chairman and members of the Headquarters Building Committees, to the contributors and to all others who have had a part in making the erection of the Headquarters Building in the City of Washington, a reality, and be it further

Resolved, that we urge all pharmacists who have not yet contributed in fullest measure to the success of this undertaking, to give it their further material support.

No. 4. Endowment for Headquarters.

Resolved, that the efforts put forth by the AMERICAN PHARMACEUTICAL ASSOCIATION to obtain an adequate financial endowment for the Headquarters Building, be continued and that whenever possible the service of American Pharmacy to the public be brought to the attention of public-spirited citizens and to the various Foundations for the promotion of the public health and welfare.

No. 5. Restricting Occupancy of Headquarters Building.

Resolved, that occupancy of the Headquarters Building when erected shall be restricted to organizations and institutions serving American Pharmacy on a non-profit basis.

No. 6. Thanks to the Commission of Fine Arts and Parks and Planning Commission.

Resolved, that the thanks of the AMERICAN PHARMACEUTICAL ASSOCIATION be expressed to the Commission of Fine Arts and to the Parks and Planning Commission for their valuable suggestions, aid and coöperation in developing the plans for the Headquarters Building.

No. 7. Pharmacists in Government Service.

Resolved, that the attention of the Congress of the United States, and the heads of the United States Army and Navy be again directed to the importance and necessity of providing the

personnel of the Army and Navy with the same quality of pharmaceutical service now available to civilians.

Resolved, that the administrative officers of the Army and Navy be requested to follow the lead of the United States Public Health Service in selecting pharmaceutical personnel from among the graduates in pharmacy of recognized colleges.

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION again endorse H. R. 8473 and S. 3211, providing for a Pharmacy Corps in the United States Army.

Resolved, that the efforts already made to amend H. R. 6696 providing for a commissioned medical service in the Veterans Bureau so as to include pharmacists in the commissioned personnel be continued and that the AMERICAN PHARMACEUTICAL ASSOCIATION records itself most emphatically as favoring such an amendment.

No. 8. The Parker Bill—Advisory Council in Public Health Service.

WHEREAS, the Parker Bill, recently passed by the Congress and signed by the President, provides for the formation of an Advisory Council in the United States Public Health Service, and

WHEREAS, pharmacists render a valuable service in connection with the preservation and improvement of the public health, be it

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION suggest to the proper officials of the Government, the advisability of including a representative pharmacist in the membership of the Advisory Council.

No. 9. Council of Pharmaceutical Education.

Resolved, that the work of the American Association of Colleges of Pharmacy and the National Association of Boards of Pharmacy in promoting higher, better and more liberal education for pharmacists be fully endorsed.

Resolved, that the Council of the AMERICAN PHARMACEUTICAL ASSOCIATION be authorized to join with the American Association of Colleges of Pharmacy and the National Association Boards of Pharmacy in the formation of a Council on Pharmaceutical Education, if and when such action is contemplated by the two Associations named.

No. 10. Endorsement of Pharmaceutical Law Enforcement Officials.

Resolved, that we endorse the efforts of the Conference of Pharmaceutical Law Enforcement Officials in their endeavor to bring about greater uniformity in law enforcement procedure and in the collection and distribution of information on Pharmacy Laws.

No. 11. Endorsement of Conference of Pharmaceutical Association Secretaries.

Resolved, that the Conference of Pharmaceutical Association Secretaries be given continued encouragement and coöperation in their function of acting as a clearing house for matters of State Association policy and in the solution of State Association problems.

No. 12. Fair Trade Legislation.

Resolved, that we heartily endorse the Capper-Kelly Bill (H. R. 11 and S. 1418) now pending before the Congress of the United States, also known as the Fair Trade Bill, legalizing the right of any producer of identified merchandise who is in fair and open competition with other producers of similar or competing merchandise, to enter into enforceable contracts for the protection of resale prices upon his own identified merchandise, and

Be It Further Resolved, that this ASSOCIATION continue its efforts in coöperation with other pharmaceutical Associations, the American Fair Trade Association, as well as other industrial bodies in bringing to the attention of the Congress the need for this legislation.

No. 13. Unrelated Merchandising.

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION recommend to retail pharmacists generally the advisability of considering the curtailment of merchandising along lines unrelated to the usual departments of a Pharmacy, to the end that retail merchants generally may remain or become disinclined to encroach upon the domain of the pharmacist in the sales of drugs and medicines.

No. 14. Commending Secretary Kelly and Editor Eberle.

Resolved, that the untiring efforts of Secretary E. F. Kelly and Editor E. G. Eberle in behalf of this ASSOCIATION and Pharmacy generally, be most highly commended.

No. 15. Commending Robert L. Swain, Chairman of House of Delegates.

Resolved, that Chairman Robert L. Swain, presiding officer of the House of Delegates, at this meeting, be commended for his excellent address and timely suggestion that pharmaceutical organization keep in mind the importance and the needs of the individual pharmacist and that full use be made of our present organizational facilities in the various fields of pharmacy, and

Be It Further Resolved, that Chairman Swain be commended for the fair, courteous and able manner in which he presided over the deliberations of the House of Delegates at this meeting.

No. 16. Appreciation of Visit of Representatives of Canadian Pharmacists.

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION express its appreciation of the visit of President M. R. MacFarlane and Secretary R. B. J. Stanbury of the Canadian Pharmaceutical Association to this Convention and that the thanks of the ASSOCIATION be expressed to Mr. MacFarlane for his excellent address on "Pharmacy in Canada," and

Be It Further Resolved, that we express to the Canadian Pharmaceutical Association our best wishes for a successful Convention, our appreciation of the visit of their President and Secretary and our promise of a full measure of coöperation in making the Annual Meeting, to be held in conjunction with the Canadian Pharmaceutical Association in 1932 at Toronto the most outstanding international gathering of pharmacists on this continent.

No. 17. Appreciation of Visit of Dr. H. S. Wellcome.

Resolved, that we express to Dr. H. S. Wellcome our appreciation of his presence at this Convention and our thanks for his very constructive suggestions in connection with the plans for the Headquarters Building.

No. 18. Appreciation of Visit of Dr. John Uri Lloyd.

Resolved, that we convey to Dr. John Uri Lloyd, senior Past-President of the AMERICAN PHARMACEUTICAL ASSOCIATION, our deep appreciation of his visit to this convention and our profound thanks for his inspiring message to the General Session on May 7th.

No. 19. Thanking Governor Ritchie and Mayor Broening.

Resolved, that the thanks and appreciation of the AMERICAN PHARMACEUTICAL ASSOCIATION be conveyed to Governor Albert C. Ritchie of the State of Maryland and Mayor Wm. F. Broening, of the City of Baltimore, for their personal messages and greetings conveyed to this ASSOCIATION at the Annual Banquet on May 6th.

No. 20. Better Press Service.

Resolved, that the officers of the AMERICAN PHARMACEUTICAL ASSOCIATION and its various Sections, the officers of the House of Delegates and the officers of the various organizations holding their annual meetings in conjunction with the AMERICAN PHARMACEUTICAL ASSOCIATION, be requested to provide their annual addresses, reports and abstracts of important papers for distribution to the lay and technical press sufficiently in advance to permit wide dissemination of this information with greater speed and accuracy than has been possible in the past, and

Be It Further Resolved, that facilities commonly provided for the use of press representatives be made a part of the local equipment of future meetings.

No. 21. Drug Trade Bureau of Public Information.

Resolved, that the work of the Drug Trade Bureau of Public Information be commended and the financial support of the AMERICAN PHARMACEUTICAL ASSOCIATION in behalf of this activity be continued.

No. 22. Pharmacists on Board of Health.

Resolved, that State and Local Pharmaceutical Associations be urged to suggest to the proper appointing authorities the advisability of including at least one pharmacist in the personnel of State and Local Boards of Health.

No. 23. Pharmaceutical Service in Hospitals.

WHEREAS, Pharmaceutical Service to the sick in the Hospitals of the United States is an important branch of medical care and should be supervised by registered pharmacists, be it

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION urge upon the authorities in charge of hospital standardization, the advisability of placing Hospital Pharmacies under the supervision of Registered Pharmacists, and

Be It Further Resolved, that the Council of the AMERICAN PHARMACEUTICAL ASSOCIATION be requested to assign to the proper officers or committees of this ASSOCIATION, the task of preparing a suggested set of standards of adequate pharmaceutical service, equipment and personnel for Hospitals of various grades to the end that such suggestions may be available to Hospital Organizations if, and when, requested.

No. 24. George Washington Anniversary.

Resolved, that the observance of the Two Hundredth Anniversary of the Birth of George Washington, to take place in 1932, under the auspices of the George Washington Bicentennial Commission, Washington, D. C., be endorsed and that the invitation of the Commission, as extended to the AMERICAN PHARMACEUTICAL ASSOCIATION, be accepted.

No. 25. Endorsement of Pharmacy Week.

Resolved, that the AMERICAN PHARMACEUTICAL ASSOCIATION again give its endorsement to the celebration of Pharmacy Week and urge its members and all other pharmacists to give this important feature their fullest support and coöperation in connection with the 6th observance, October 12-18, 1930, and

Be It Further Resolved, that the thanks of the ASSOCIATION be expressed to the General Chairman and his associates on the Joint Committee of the AMERICAN PHARMACEUTICAL ASSOCIATION and National Association of Retail Druggists on Pharmacy Week.

No. 26. Visits of A. Ph. A. Representatives to Other Associations.

Resolved, that the policy of maintaining contacts with all groups and individuals interested in pharmaceutical progress, by means of visits from the officers of the AMERICAN PHARMACEUTICAL ASSOCIATION, whenever possible, be continued.

No. 27. Lyman Spalding for Hall of Fame.

Resolved, that we again bring to the attention of those charged with the selection of names of individuals for a place in the New York University Hall of Fame, that the founder of the United States Pharmacopœia, Dr. Lyman Spalding, is, from every standpoint, entitled to this honor.

No. 28. Contact with Medical Societies.

Resolved, that we again recommend to all State and Local Pharmaceutical Associations the importance of maintaining professional contact with State and Local Medical Societies to the end that a spirit of coöperation and better understanding between the medical profession and pharmacy may be fostered and maintained.

No. 29. Acquainting Physicians with the National Formulary.

Resolved, that Pharmacists throughout the United States be urged to continue in their efforts to acquaint practicing physicians with the object, legal status and contents of the National Formulary to the end that full use may be made of this important work in prescribing remedies that may be indicated in the treatment of disease.

No. 30. Use of Words "Pharmacist" and "Drug."

Resolved, that a special effort be made to bring to the attention of the newspapers of the United States the distinction between the terms "Pharmacist" and "Druggist" and that the publicity committees of all National, State and Local pharmaceutical Associations be requested to urge newspapers to use the term "pharmacist" in referring to members of the pharmaceutical profession, and

Be It Further Resolved, that similar efforts be made to bring about the use of the words "narcotic" or "narcotic drug" in place of the designation "drug" when narcotics are referred to in the news of the day.

No. 31. Thanks to Local Secretary Harris and Others.

Resolved, that the hearty thanks of the AMERICAN PHARMACEUTICAL ASSOCIATION be conveyed to Local Secretary Samuel Y. Harris and the members of his Committee, to the Baltimore Retail Druggists Association, the Maryland Pharmaceutical Association, the Travelers Auxiliary of the Maryland Pharmaceutical Association, the Baltimore Association of Commerce, the Baltimore Sun, The Police Department of the City of Baltimore, as well as to the management of the Hotel Emerson and the Lord Baltimore Hotel for their splendid hospitality as displayed in so many ways throughout this Convention week.

No. 32. Copies of Resolutions to Other Associations.

Resolved, that copies of all resolutions passed at this Seventy-Eighth Annual Meeting be supplied to the National Association of Retail Druggists, to State Pharmaceutical Associations and to all other National and Local Pharmaceutical and Medical Associations and individuals that may be interested, with the request that they take note of and, where advisable, endorse these resolutions in so far as they pertain to matters of general pharmaceutical interest and policy, not inconsistent with the aims and objects of the respective associations.

No. 33. Commending Surveys of Departments of Commerce.

Resolved, that the work of the United States Department of Commerce in making surveys of methods of distribution, be commended.

No. 34. Enlarging Publicity Activities.

Resolved, that the committee on Coöperative Publicity be enlarged to include 3 members from each District, one to represent the Colleges of Pharmacy, one to represent Boards of Pharmacy, and one to represent State Pharmaceutical Associations, and that this Committee be requested to present a plan at the 1931 Convention for financing pharmaceutical publicity on a national scale.

No. 35. Objectionable Advertising.

Resolved, that the use of the phrase "Recommended by all Reliable Druggists" and all similar phrases, as used by advertisers of certain Patent Medicines, is obnoxious and misleading, and that steps be taken to convey to such advertisers our objections to a continuance of this unwarranted practice.

ABSTRACTS OF PAPERS READ BEFORE THE SECTIONS OF THE AMERICAN PHARMACEUTICAL ASSOCIATION.

SCIENTIFIC SECTION.

The Department of Camphor, Monobromated in Reference to Compressed Medicinal Tablets, Geo. E. Éwe.—Evidence is offered to establish Camphor, Monobromated as a definitely volatile substance, and some of the effects of this volatility upon tablets containing this substance and upon the manufacture of these tablets are noted.

The Market Quality of Pharmaceutical Raw Materials, Geo. E. Éwe.—Results of chemical examination of deficient and variable pharmaceutical raw materials are given and an attempt is made to indicate the degree of quality of the materials being offered in the market.

Comments Pertinent to the Coming Revisions of the "U. S. P." and "N. F.", Geo. E. Éwe.—Certain comments and criticisms of the present "U. S. P." and "N. F." are presented for consideration by the incoming Revision Committees.

The Analysis of Ethylene-Diamine-Theophyllin, Philip W. Schmitt.—The literature shows no detailed description of a method for the analysis of ethylene-diamine-theophyllin. The author has developed a method which gives directly the theophyllin content, and indirectly the ethylene-diamine content. The method is fairly simple and requires no elaborate apparatus. The sources of error and the advantages of the method are briefly discussed. A plea is also made

for the adoption of the word "Aminophyllin" as a synonym for ethylene-diamine-theophyllin and euphyllin.

The U. S. P. Strophanthus Standard, L. W. Rowe.—Experimental evidence is submitted to show that the present U. S. P. standard for Strophanthus is rather high and that a revision downward is desirable. A reduction of 25% is suggested. Objections to the One-Hour Frog Method are given and a Six-Hour M. L. D. Frog Method is suggested for the next U. S. P.

The Phytochemical Study of Hydrastis, H. A. Langenhan and Ewin Gillis.—This is a study of the alkaloidal content, ash, moisture, ratio of rhizome to root, variations due to months, years, seasons, etc. Somewhat along the lines of the Portland paper but representing three years' work and much more in detail.

The Preparation of 3-Carbamido-4-hydroxyphenylarsonic Acid, W. G. Christiansen and A. E. Jurist.—The preparation of 3-Carbamido-4-hydroxyphenylarsonic acid is described and its toxicity is compared to that of Stovarsol. It was found to be about twice as toxic as Stovarsol.

Studies on Alkali Bismuth Tartrates from the Chemical and Biological Standpoint, A. E. Jurist and W. G. Christiansen.—The results of an extensive series of experiments on the biological characteristics of alkali bismuth tartrates are given. Various media were used to prepare solutions of these compounds and they are compared from the standpoint of stability, absorption, local reactions at the site of injection, toxicity, and p_H . Included in these tests is a colloidal bismuth tartrate solution in hydrolyzed gelatin. The results show very strikingly the irritating character of alkali bismuth tartrates in aqueous solution when injected intramuscularly.

A Comparison of the p_H of Neosarsphenamine and Sulpharsphenamine in Relation to Differences in Their Structure, A. E. Jurist and W. G. Christiansen.—The p_H units higher than that of sulpharsphenamine which has a p_H range of 2.2, to 4.5. It has been found that sulpharsphenamine is unstable at p_H 5.0 or above whereas neosarsphenamine is unstable at as low a p_H as 5.0 or below. These facts being incompatible with the supposedly slight difference in the structure of these two substances a new structure is advanced for sulpharsphenamine which could account for this difference. The work of Newberry would tend to confirm this.

The Pharmacology and Pharmacognosy of the Cactaceæ. I. The Action of Certain Species upon the Heart, James C. Munch and H. H. Crosbie.—The literature contains many conflicting statements regarding the clinical value of various members of the cactus family in the treatment of heart diseases. Pharmacological investigations upon identified species are reported.

The Pharmacology and Pharmacognosy of the Cactaceæ. II. The action of Certain Species upon the Central Nervous System, James C. Munch and H. H. Crosbie.—The action of fluidextracts of identified members of the cactus family has been determined upon dogs by the method official in U. S. P. X, for the bio-assay of cannabis. Of the species tested so far, only Anhalonium Lewinii has been found to be physiologically active.

Examination of the Fatty Oil of Echinacea, S. H. Culter and Edward Kremers.—The volatile oil of this drug is under examination by E. L. Woods of the University of Saskatchewan. The fatty oil has been examined by Heyl and Hart, of Kalamazoo, Mich. Possibly the principal interest in the oil resides in the sitosterol isolated therefrom. Whereas Hey and co-workers obtained a mixture of sterols, the identity of any one of which was left doubtful, the sterol isolated from the alcoholic extract, kindly prepared in the laboratory of Lloyd Brothers, Cincinnati, O., was a chemical unit, namely, sitosterol. Radiation and feeding experiments of this product are being made in the laboratory of Prof. Steenbock of the Department of Agricultural Chemistry.

Emulsions, C. O. Lee and Edward Kremers.—To read the chapter on Emulsions in a pharmaceutical text, written not many years ago, and then to glance at a modern physico-chemical journal article on the same subject, causes one to realize that a new language must be mastered before the latter may be comprehended. Empiricism is giving way to modern science. Yet that phase of science which finds expression in this modern study appears rather narrow and one sided. Structural considerations of the emulsified material seem to have received little if any consideration whatever. Nevertheless the latter viewpoint must be considered fundamental. A mere beginning in this direction has been attempted. If modern viewpoints throw new light on an old pharmaceutical subject, the same pharmaceutical texts alluded to appear to have been as indifferent to the history of this venerable class of galenicals as to their modern scientific study.

A Potentiometric Assay of Cinchona Bark, John C. Krantz, Jr.—A method of assaying cinchona bark which makes unnecessary the shaking out process. The method is potentiometric.

Certain Aspects of Carbohydrate Metabolism, John C. Krantz, Jr.—The study of the metabolism of certain substitutes for starch in the diets of normal and diabetic patients.

The Estimation of Poisons in the Presence of Preservatives, L. W. Rising and E. V. Lynn.—The paper takes up the history of toxicology, the reasons for such an investigation, and the method followed in the work. The second part is the actual investigations carried out on alcohol, chloroform, phosphorus, mercury, lead, chloral hydrate, oxalic acid, iodine, cocaine, morphine, phenol, barbital and cyanides. Graphs are included showing the results of the quantitative determinations.

The Stabilization of Solution of Arsenous and Mercuric Iodide, U. S. P. X., William J. Husa and W. W. F. Enz.—Donovan's Solution stabilized in various ways was stored in amber-colored bottles in diffused light, samples being withdrawn occasionally for analysis. After 10 months, the % deterioration was as follows: modified formula proposed by authors, less than 1%; control, 12.4%; neutralized with KOH, 10.1%; saturated with CO₂, 8.7%; neutralized with KOH and saturated with CO₂, 6.1%; air replaced by H₂, 12.5%; neutralized with KOH and air replaced by H₂, 7.3%; CaCO₃ added, 6.0%; terpin hydrate added, 8.3%.

The Effect of Stabilizers in Lard in Relation to Its Use in Ointment of Potassium Iodide, N. F. V, William J. Husa.—Hydroquinone is unsuitable for use as a stabilizer in Ointment of Potassium Iodide on account of the color developed, which varies from gray to brown. The effect of benzoin was determined by the rate of liberation of iodine in ointments in which Na₂S₂O₄ was omitted. In ointments stored in glass containers in diffused light at room temperature, benzoin reduces the rate of liberation of free iodine; it also reduces the rate of absorption of iodine by the unsaturated glycerides of the lard. Observations were also made under other conditions of storage.

The Hydrolysis of Arsenous Iodide, William J. Husa.—The U. S. P. states that freshly prepared aqueous solutions of arsenous iodide upon standing gradually decompose with the formation of arsenous and hydriodic acids. Experimental evidence indicates that the salt hydrolyzes almost completely immediately after being dissolved in water. Definite suggestions are presented as to desirable changes in the U. S. P. monograph.

The Conversion of Quinine and Other Cinchona Alkaloids into Their Toxine and the Question as to the Toxicity of Quinine, Herry C. Biddle.—Quinine and the cinchona alkaloids in general under certain conditions, as are known, are converted into toxic substances. This conversion in any case consists of a molecular rearrangement and is closely dependent upon the concentration of the univalent alkaloidal ion. Quinine may yield traces of its toxine in the stomach under condition of deficiency of hydrochloric acid and in the presence of an organic acid such as lactic, citric or acetic. Mixtures of quinine with medicinals such as antifebrin (acetanilid), or phenacetin (acetphenetidin), which under favorable conditions may yield small amounts of free acetic acid by hydrolysis, may on standing become unfit for use through the partial conversion of the quinine into quinotoxine and resinous products.

The Quality of Tincture of Aconite, H. B. Haag and L. W. Hawkins.—Specimens of Tincture of Aconite prepared by the more prominent pharmaceutical houses and purchased on the open market were examined as to potency and hydrogen-ion concentration. The results obtained were compared to a similar study made in this laboratory about fifteen years ago, when the preparation was chemically assayed. Results indicate that although the bio-assay method is now employed the quality of Tincture of Aconite now available is probably not superior to that of fifteen years ago.

The Variability of Pharmaceutical Preparations (Preliminary Report), H. B. Haag and L. E. Jarrett.—Assays were made of specimens of the more popular prescription preparations obtained from various pharmacies in Virginia. Results indicate wide variations in some instances, even in such easily standardized preparations as Dilute Hydrochloric Acid.

Studies on the Toxicity, Absorption and Elimination of Nupercain, W. R. Bond and N. Bloom.—This new local anesthetic, introduced by the Society of Chemical Industry, Basle, Switzerland, is claimed to be superior to cocaine for mucous membrane anesthesia. It is five times more toxic but can be used in one-tenth the concentration for cocaine anesthesia. Its greatest efficiency is exerted on the cornea. Studies in this laboratory reveal that the M. L. D. of Nupercain for dogs is about three mg. per kilo when given by vein. Its subcutaneous M. L. D. for the guinea-pig is about twenty-six mg. per kilo. Ten mg. per kilo applied to the nasal mucosa

is fatal in a few minutes. Contrary to Uhlmann the compound is very rapidly detoxicated in vivo.

A Progress Report on the Estimation of Ethyl Nitrite in Copaiba Mixture, N. F., W. G. Crockett, W. M. Frayser and G. V. Thompson.—We have found that the estimation of ethyl nitrite in copaiba mixture by the U. S. P. nitrometer method is unsatisfactory. Results are far too low. If the ethyl nitrite is first introduced into the nitrometer and followed by copaiba mixture which contains no ethyl nitrite, results are higher but are still about 70% of the theoretical yield. Work is now in progress which we hope will show the reason for this discrepancy.

Further Studies on the Salvarsans and Related Compounds, C. N. Myers.—A chemical consideration of the organic arsenicals which are successfully used in medicine. From which it appears important that more careful preparation of products is an important feature in regard to the clinical use of the arsenicals.

Plant Breeding Experiments with the Genus Aconitum, Plates 12–15, Wm. J. Bonisteel.—Methods used in plant breeding. Clonal plants for propagation of desirable strains. Breeding is a method of standardization. Cultivated plants *versus* wild plants. Rapid seed germination. Flower and pollen tube behavior. Dichogamy and related phenomena.

The Inorganic Constituents of the Acid-Soluble Portion of the Ash of Official and Non-official Vegetable Drugs, E. L. Newcomb and E. B. Fischer.—A report on the qualitative analysis of the soluble portion of the ash of nearly 400 official and non-official vegetable drugs. Carefully cleaned samples of the drugs from plants grown in the Medicinal Plant Gardens of the College of Pharmacy, University of Minnesota or from commercial sources were subjected to incineration as prescribed in the U. S. P. for the determination of total ash. Qualitative tests were made for the following radicals or elements: S, CO₂, NO₂, B, SO₄, PO₄, Cl, I, Br, Cu, Pb, Sn, Al, Fe, Cr, Co, Ni, Mn, Zn, Ca, Ba, Sr, Mg, Na and K. The tests made show the almost invariable presence of chlorides, sulphates, phosphates, aluminum, iron, calcium, magnesium, sodium and potassium. In 356 of the 392 samples tested, positive tests for carbonates were obtained; 308 samples gave distinct tests for manganese, and in 20 cases sulphur was found to be present in the form of the sulphide as well as in that of the sulphate. Nitrates were particularly conspicuous by their absence. Even in the solanaceous drugs, in which the nitrate content is said to be high, nitrates could not be detected. Copper and Boron, which have been reported in very minute amounts in plants, could not be detected by ordinary tests. Iodides and Bromides, particularly in the algal drugs, were found absent. This is possibly due to the fact that the temperature of incineration is not sufficiently controlled to prevent loss of certain elements by volatilization. The chief difference to be noted in the various ashes is in the manganese and sulphur as sulphide content and that the other elements vary quantitatively rather than qualitatively in the inorganic residue.

U. S. P. Biological Assay of Cod Liver Oil Present and Future, John F. Anderson.—Steps leading to the present optional U. S. P. method for the biological Vitamin A assay of Cod Liver Oil are discussed. Certain limitations of the present method are referred to and modifications suggested, with particular reference to the inclusion of a method for the assay of Vitamin D content of Cod Liver Oil. Importance of standard methods for Vitamin A and D assay of Cod Liver Oil and form of label statement are pointed out.

Oils from the Leaves of Washington Conifers, Arnold J. Lehman and E. V. Lynn.—The forests of Washington contain a very small variety of coniferous trees compared to the total number of species which have been described. Of the 470 or more listed in the literature, only about twenty are found in the state, but they occur to a very large extent. Oils from the leaves of eight of these have already been prepared, four of them having been more or less completely examined. It seems desirable to distil some of the other oils and study them.

A review of the literature on the investigations which have been recorded is here submitted, as preliminary to other papers covering oils hitherto unprepared. The list of twenty-one Washington conifers is given and a bibliography of work on leaf-oils from eight of them: *Juniperus communis*; *Chamaecyparis nootkatensis*; *Thuja plicata* *Pinus ponderosa*; *P. contorta*; *Pseudotsuga mucronata*; *Tsuga heterophylla*; *Picea englemanni*.

The Leaf Oil of Pinus Monticola, Arnold J. Lehman and E. V. Lynn.—The western white pine, *Pinus monticola*, is a large tree which is usually indigenous to mountainous regions. The material for this paper was, however, gathered near sea level.

The oil, obtained by steam distillation of the leaves in a yield of 0.5 per cent, was colorless and possessed a pleasant, balsamic odor; $d_{20} 0.8695$; (α)_D -1731° ; $N_D 1.4724$; acid number 4.25; saponification value 26.78.

After removing the acids and phenols by successive extraction with sodium carbonate and sodium hydroxide, the residual oil was fractionated repeatedly. The terpenes, which amounted to nearly 80 per cent of the total oil, were chiefly beta-pinene and alpha-pinene, with smaller amounts of beta-phellandrene and possibly camphene, but no limonene or dipentene was present. The oil boiling above 190° C. was first saponified and then submitted to fractional distillation. Borneol, fairly large quantities of an unidentified lactone, and a blue oil were found. Butyric and valeric acids were probably constituents of the saponification alkali.

LIST OF THE REGISTRANTS, ANNUAL MEETING, A. PH. A., BALTIMORE, MARYLAND.

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

- ACHESON, MR. AND MRS. WM. R., Cambridge, Mass.
ADAMS, MR. AND MRS. WALTER D., Forney, Texas.
ALACAN, JOSÉ P., Habana, Cuba.
ALLAN, MR. AND MRS. C. F., Wyandotte, Mich.
ALLEN, ADOLPH, Baltimore, Md.
ALLEN, H. W., AND FAMILY, Baltimore, Md.
ALLEN, JAMES H., Waterville, Me.
ANDERSON, C. M., MR. AND MRS., Oklahoma City, Okla.
ANDERSON, WM. C., Brooklyn, N. Y.
ANDREWS, M. J., MR. AND MRS., Baltimore, Md.
ANSTINE, C. L., MR. AND MRS., Baltimore, Md.
ARMSTRONG, CHARLES L., MR. AND MRS., Baltimore, Md.
ARMSTRONG, THOMAS B., Bethesda, Md.
ARNOLD, H. C. F., MR. AND MRS., Floral Park, N. Y.
ARNY, H. V., New York City.
AVERY, CHARLES H., Altadena, Calif.
AYD, MR. AND MRS. GEORGE J., Baltimore, Md.
- BACON, EPHRAIM, MR. AND MRS., Baltimore, Md.
BACON, FRANKLIN J., Cleveland, Ohio.
BACON, DOROTHY, Cleveland, Ohio.
BAKETEL, H. SHERIDAN, Jersey City, N. J.
BALLRIV, J. GORDON, Lenoir, N. Car.
BARBELLA, NICHOLAS GEORGE, Washington, D. C.
BARNETT, W. D., Baltimore, Md.
BARROLL, W. L., Baltimore, Md.
BAUER, JOHN C., MR. AND MRS., Baltimore, Md.
BAUMGARTNER, MR. AND MRS., Baltimore, Md.
BEAL, GEORGE D., Pittsburgh, Pa.
BEAL, JAMES H., MR. AND MRS., Camp Walton, Fla.
BEAR, P. C., Baltimore, Md.
BEARD, JOHN G., Chapel Hill, N. C.
BECKER, H. C., Baltimore, Md.
BECKER, IRWIN A., Chicago, Ill.
BEHREND, S. M., Baltimore, Md.
BENFIELD, HERBERT E., Cleveland, Ohio.
BENSON, EVELYN H., Baltimore, Md.
BERG, FRANTZ F., Floral Park, N. Y.
BERG, GORDON, Morgantown, W. Va.
BERNER, MARY RAABE, Ada, Ohio.
BIALK, BERNARD A., Detroit, Mich.
BIBBINS, MR. AND MRS. FRANCIS E., Indianapolis, Ind.
BIBBINS, RUTH, Indianapolis, Ind.
BIDDLE, HENRY C., MR. AND MRS., San Francisco, Calif.
BINGHAM, WILLIAM E., Tuscaloosa, Ala.
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BLOME, MR. AND MRS. WILLIAM HENRY, Detroit, Mich.
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BLUMBERG, MRS. RAE, Baltimore, Md.
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BYE, MORTIMER, MR. AND MRS., Cincinnati, Ohio.
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CANIS, O. P. M., Long Island, N. Y.
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COOPER, ZADA M., Iowa City, Iowa.
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 HENDLER, BERNICE, Baltimore, Md.
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 HENDLER, MIKE, Wilmington, Del.
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 HERSEY, W. H., Baltimore, Md.
 HERSHNER, JOHN P., Baltimore, Md.
 HERSHNER, JOHN THOMAS, Towson, Md.
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 HOLB, E. M., Washington, D. C.
 HOLLINGSHEAD, WALTER, MR. AND MRS., Baltimore, Md.
 HOLTON, CHARLES W., MR. AND MRS., Essex Fells, N. J.
 HOLTZMAN, C. H., Baltimore, Md.
 HORTSMANN, JEANOT, Mrs., Hoboken, N. J.
 HOWELL, E. V., Chapel Hill, N. C.
 HOXB, ORVILLE D., Grand Rapids, Mich.
 HUBBARD, WINFIELD SCOTT, New York City.
 HUBSBERGER, AMBROSS, MR. AND MRS., Philadelphia, Pa.
 HUNTER, H. N., Fort Meyer, Fla.
 HUSA, WM. J., Gainesville, Fla.
 HYDE, LILLY, Baltimore, Md.
- IJAMS, O. A., Baltimore, Md.
- JACKSON, AQUILLA, MR. AND MRS., Baltimore, Md.
 JACKSON, WALTER V., Baltimore, Md.
 JACOBS, M. L., MR. AND MRS., Chapel Hill, N. C.
 JENKINS, ARTHUR PAUL, Baltimore, Md.
 JENKINS, GLENN L., MR. AND MRS., Baltimore, Md.
 JOHNSON, CHARLES W., Seattle, Wash.
 JOHNSON, DAVID B. R., Norman, Okla.
 JOHNSON, FRED F., Seattle, Wash.
 JOHNSON, HENRY STODDARD, New Haven, Conn.
 JOHNSON, L. VERNON, Baltimore, Md.
 JONES, DAVID P., MR. AND MRS., Watertown, S. Dak.
 JONES, O. R., Baltimore, Md.
 JONES, ROWLAND E., Gettysburg, S. Dak.
 JORDAN, CHARLES B., Lafayette, Ind.
 JORDAN, W. E., MR. AND MRS., Baltimore, Md.
 JOSEPH, ERWIN M., Austin, Texas.
 JUDISCH, GEORGE, Ames, Iowa.
 JUDY, MARION H., Petersburg, W. Va.
 JUSTUS, ELMER, MR. AND MRS., Baltimore, Md.

KAHLER, LOUIS, MR. AND MRS., Baltimore, Md.
 KAHN, M. S., Baltimore, Md.
 KAMMER, DANIEL A., Baltimore, Md.
 KANTNER, L. M., MR. AND MRS., Baltimore, Md.
 KANTROWITZ, HUGO, New York City.
 KARSMANN, GEORGE, Baltimore, Md.
 KEBLER, LYMAN F., MR. AND MRS., Washington, D. C.
 KELLY, E. F., MR. AND MRS., Texas, Md.
 KELLY, SCOTT, Gaston, Ind.
 KEMP, ERWIN F., Washington, D. C.
 KEPPLER, MILTON J., Baltimore, Md.
 KING, CHARLES WILLIAM, Chicopee Falls, Mass.
 KING, F. H., Delphos, Ohio.
 KING, GEORGE H., Baltimore, Md.
 KING, STANISH BOARDMAN, Chicopee Falls, Mass.
 KINAMON, HARRY A., MR. AND MRS., Baltimore, Md.
 KINNEAR, MR., Mt. Ranier, Md.
 KINSEY, RAYMOND D., Perty Point, Md.
 KIRSCHNER, DAVID, Baltimore, Md.
 KIRSCHL, C. H., Baltimore, Md.
 KLINGEL, E. M., Baltimore, Md.
 KNIGHT, CHARLES H., MR. AND MRS., Baltimore, Md.
 KOCH, J. A., MR. AND MRS., Pittsburgh, Pa.
 KOETZ, J. L., Pittsburgh, Pa.
 KRANTZ, J. C., MR. AND MRS., Baltimore, Md.
 KREMENS, ABRAHAM I., Philadelphia, Pa.
 KREMERS, EDWARD, Madison, Wis.
 KRUMWIEDE, HOWARD A., MR. AND MRS., Highland Park, N. J.

LAKEY, ROLAND T., Detroit, Mich.
 LAMBRECHT, F. A., MR. AND MRS., Baltimore, Md.
 LAPOURAILLE, ALFRED, Baltimore, Md.
 LAPURAILLE, C. HOWARD, Baltimore, Md.
 LANGENIAN, HENRY A., Seattle, Wash.
 LANWERMEYER, CHARLES, Waukegan, Ill.
 LASCOFF, J. LEON, New York City.
 LAUER, WM. G. AND FAMILY, Baltimore, Md.
 LAWALL, CHARLES H., MR. AND MRS., Philadelphia, Pa.
 LEATHERMAN, A. J., MR. AND MRS., Baltimore, Md.
 LEE, GEORGE F., Johnstown, Pa.
 LEGENDRE, MARION, New Orleans, La.
 LEHMAN, ROBERT S., MR. AND MRS., Brooklyn, N. Y.
 LEHR, C. J., Baltimore, Md.
 LEIGH, TOWNES RANDOLPH, MR. AND MRS., Gainesville, Fla.
 LEMLER, A. A., Baltimore, Md.
 LEMLER, HARRY, Baltimore, Md.
 LEMON, ASA B., Buffalo, N. Y.
 LEONARD, CLIFFORD S., Tuckahoe, N. Y.
 LEROU, HERBERT M., MR. AND MRS., Norwich, Conn.
 LEVIN, MORRIS, Baltimore, Md.
 LEVY, ABRAHAM M., Baltimore, Md.
 LITTLE, ERNEST, Newark, N. J.
 LLOYD, JOHN T., Cincinnati, Ohio.
 LLOYD, JOHN URI, Cincinnati, Ohio.
 LOFGREN, F. V., MR. AND MRS., Valparaiso, Ind.
 LORDEN, SUE A., Baltimore, Md.
 LOTHOWIUM, L. B., MR. AND MRS., Baltimore, Md.
 LOVE, K. F., MR. AND MRS., Baltimore, Md.
 LOVE, DOROTHY, Baltimore, Md.
 LOWRY, WILLIAM JOHN, MR. AND MRS., Baltimore, Md.
 LUDWIG, ANDREW F., Baltimore, Md.
 LYMAN, MR. AND MRS. R. A. AND SON, Lincoln, Neb.
 LYON, A. G., Havre de Grace, Md.
 LYON, R. MURRAY, Baltimore, Md.
 LYTLE, EDWARD C., Baltimore, Md.

McBLAIN, JOSEPH L., Baltimore, Md.
 McClosky, WILLIAM T., Washington, D. C.
 McCORMICK, CHARLES E., Baltimore, Md.
 MCCGINITY, JOHN J., Baltimore, Md.
 MCKENNA, WM. C., MR. AND MRS., Baltimore, Md.
 MCKINNY, ROBERT S., Taneytown, Md.
 McNALLY, HUGH B., Baltimore, Md.
 McSHANE, OWEN W., Poultney, Vt.
 MACFARLANE, M. R., Almonte, Ontario.
 MACHT, D. I., Baltimore, Md.
 MAGINNIS, M. B., Baltimore, Md.
 MAINES, EUGENE L., Cleveland, Ohio.
 MANCHESTER, C. C., MR. AND MRS., Baltimore, Md.
 MANCHEY, L. L., Baltimore, Md.
 MARSLAND, JOHN W., MR. AND MRS., New Britain, Conn.
 MATHER, GEORGE W., Scotia, N. Y.
 MAYES, HERBERT R., New York City.
 MBISSNER, F. W., MR. AND MRS., LaPorte, Ind.
 MEAD, MR., Baltimore, Md.
 MEDILL, F. G., Baltimore, Md.
 MERLE, ANDREW W., Baltimore, Md.
 MERRILL, CHARLES G., MR. AND MRS., Cincinnati, Ohio.

MERRILL, EDMOND LOVIS, New Orleans, La.
 MERRILL, EDMUND S., New Orleans, La.
 MEYER, CATHERINE, Detroit, Mich.
 MEYER, CHARLES L., Baltimore, Md.
 MEYER, EDWARD J., MR. AND MRS., Detroit, Mich.
 MEYER, MARIANA, Baltimore, Md.
 MIDDLEKAUFF, H. P., Baltimore, Md.
 MIKKELSEN, NIELS, MR. AND MRS., Kenesau, Neb.
 MILLAR, D. B., Baltimore, Md.
 MILLER, L. DUDLEY, Baltimore, Md.
 MILNE, FRANK A., MR. AND MRS., Pratt, Kans.
 MINIHART, JOHN R., Philadelphia, Pa.
 MIXSON, MILES E., Baltimore, Md.
 MONELL, LEON MASON, Buffalo, N. Y.
 MONTANERO, LOUIS, New Haven, Conn.
 MORGAN, CHARLES, MR. AND MRS., Baltimore, Md.
 MORRELL, CLARENCE A., Ottawa, Canada.
 MORRIS, JULIAN MR. AND MRS., Baltimore, Md.
 MORRISON, R. G., MR. AND MRS., Baltimore, Md.
 MOSSOF, CARRIE C., Baltimore, Md.
 MOTLEY, EMERY TYLER, MR. AND MRS., Columbia, S. C.
 MULDOON, HUGH C., Pittsburgh, Pa.
 MULFORD, H. K., Philadelphia, Pa.
 MUNCH, JAMES C., MR. AND MRS., Baltimore, Md.
 MURDOCH, L. EDWARD, MR. AND MRS., Baltimore, Md.
 MURPHY, JEROME, Baltimore, Md.
 MURRAY, B. L., MR. AND MRS., Rahway, N. J.
 MURRAY, J. EDWARD, MR. AND MRS., Ruxton, Md.
 MURRAY, JOSEPH P., MR. AND MRS., Colorado Springs, Colo.
 MURRAY, MARTIN, Colorado Springs, Colo.
 MUTH, CHARLES, MR. AND MRS., AND DAUGHTER, Baltimore, Md.
 MUTH, E. S., MR. AND MRS., Baltimore, Md.
 MUTH, JOHN C., Baltimore, Md.

NEAL, C. C., Baltimore, Md.
 NELSON, A. T., Baltimore, Md.
 NELSON, CARL E., MR. AND MRS., Hammond, Ind.
 NEUMANN, NASE, Baltimore, Md.
 NEWCOMB, E. L., New York City.
 NEWTON, H. C., Omaha, Neb.
 NICOLAI, NATHANIEL, New York City.
 NICHOLS, ADLEY B., Philadelphia, Pa.
 NICHOLS, C. V., MR. AND MRS., Anadarko, Okla.
 NICHOLS, J. J., New York City.
 NISH, FREDERICK WM., San Francisco, Calif.
 NITARDY, F. W., MR. AND MRS., Brooklyn, N. Y.
 NOH, JOSEPH G., Omaha, Neb.
 NOLAN, TOM, MR. AND MRS., Baltimore, Md.
 NOLAN, CHARLES E., Baltimore, Md.
 NOLL, FRANK M., MR. AND MRS., Baltimore, Md.
 NOPENBERGER, MARTIN J., Baltimore, Md.
 NORTON, A. C., Mrs., Baltimore, Md.
 NORWITZ, ALBERT, Baltimore, Md.

O'CONNELL, C. LEONARD, Pittsburgh, Pa.
 OFFENBACHER, T. R., MR. AND MRS., Washington, D. C.
 OLIVER, HARRY K., Baltimore, Md.
 OLSEN, PAUL C., Philadelphia, Pa.
 OSTERLUND, O. W., Philadelphia, Pa.
 OTT, C. R., New York, N. Y.
 OWENS, R. M., Baltimore, Md.

PACKARD, C. HERBERT, MR. AND MRS., Winthrop, Mass.
 PAINE, J. N., Baltimore, Md.
 PAPPE, THEODORE F., Baltimore, Md.
 PARKER, NORMAN D., Baltimore, Md.
 PARKHURST, W. C., MR. AND MRS., Baltimore, Md.
 PARR, ERNEST J., MR. AND MRS., Big Rapids, Mich.
 PAYANT, JAMES E., MR. AND MRS., Baltimore, Md.
 PEARRE, A. L., Baltimore, Md.
 PEARSON, PAUL, Washington, D. C.
 PEGG, GEORGE W., MR. AND MRS., East Orange, N. J.
 PENSEL, WM. H., MR. AND MRS., Baltimore, Md.
 PERRY, B. C., Bethesda, Md.
 PETERS, E. E., Baltimore, Md.
 PETTS, GEORGE EDWARD, JR., Baltimore, Md.
 PEYFER, EDWARD, MR. AND MRS., Baltimore, Md.
 PHEFELDER, I. M., Baltimore, Md.
 PHELPS, ARTHUR LEE, Phoenix, Ariz.
 PHELPS, ISABELLE MASON, Phoenix, Ariz.
 PHILLIP, W. BRUCE, San Francisco, Calif.
 PHILLIPS, HOWARD, Mrs., Baltimore, Md.
 PIERCE, CHARLES SPRAGUE, MR. AND MRS., Springvale, Me.
 PIERCE, LENA P., Springvale, Me.
 PIERCE, W. L., MR. AND MRS., Baltimore, Md.
 PIERCY, C. G., Baltimore, Md.
 PIERPONT, MR., Baltimore, Md.

PILCHARD, J. B., Harrisburg, Pa.
 PITTINGER, PAUL S., MR. AND MRS., Baltimore, Md.
 PLITT, CHARLES, MR. AND MRS., Baltimore, Md.
 PONDY, MR., Baltimore, Md.
 POWERS, EDWARD, MR. AND MRS., Baltimore, Md.
 PRINSCHAL, A. Z., Baltimore, Md.
 PURDUM, F. C., Baltimore, Md.

QUANDT, MR., Baltimore, Md.

RAABE, RUDOLPH HENRY, MR. AND MRS., Ada, Ohio.
 RAGLAND, THOMAS ELLSWORTH, Baltimore, Md.
 RAINES, HORACE, MR. AND MRS., Baltimore, Md.
 READ, W. S., MR. AND MRS., Baltimore, Md.
 REED, CHAS. E., MR. AND MRS., Wieschester, Ind.
 REES, ROY C., MR. AND MRS., Topeka, Kans.
 REINDOLLAR, W. F., MR. AND MRS., Baltimore, Md.
 RENNEBOHM, OSCAR, Madison, Wis.
 RENNEBOHM, MARY, Madison, Wis.
 REQUARDT, EDWARD, Baltimore, Md.
 RATTALIATA, P. C., Baltimore, Md.
 RZEK, GEORGE J., Baltimore, Md.
 RICHARDSON, J. EDWARD, Detroit, Mich.
 RICHARDSON, CHARLOTTE M., Detroit, Mich.
 RICHARDSON, LLOYD N., Bel Air, Md.
 RICHTMANN, WILLIAM OSCAR, Madison, Wis.
 RIGGS, N. PAUL, MR. AND MRS., Washington, D. C.
 RILEY, ROY M., Wichita, Kans.
 RILEY, MRS. SADIE MARIE, Wichita, Kans.
 RIPPETOE, JOHN ROSS, New York, N. Y.
 RIVARD, W. HENRY, Providence, R. I.
 ROACH, THOS., MR. AND MRS., Oklahoma City, Okla.
 ROBERTS, B. E., Baltimore, Md.
 ROBERTS, W. P., Baltimore, Md.
 ROBINSON, H. H., Baltimore, Md.
 RODDIS, LOUIS H., Washington, D. C.
 RODMAN, ROBERT WILLIAM, New York, N. Y.
 ROOBER, CHARLES HERBERT, Minneapolis, Minn.
 ROLLER, EMIL, New York, N. Y.
 ROSE, IRA WINFIELD, Rocky Mount, N. C.
 ROSIN, JOSEPH, Philadelphia, Pa.
 ROSSBERG, CHAS. JR., MR. AND MRS., Baltimore, Md.
 ROTHROCK, R. B., Evansville, Ind.
 ROUTHAWN, CHARLES, MR. AND MRS., Mt. Airy, Md.
 ROWE, LEWIS W., Detroit, Mich.
 RUDD, WORTLEY FULLER, Richmond, Va.
 RUDY, H. R., MR. AND MRS., Hagerstown, Md.
 RUPPERT, JOS. A., Baltimore, Md.
 RUSBY, H. H., New York, N. Y.
 RUSSELL, G. A., Greensboro, N. C.
 RUSSELL, JASON LOREN, Detroit, Mich.
 RUTH, ROBERT J., MR. AND MRS., New York, N. Y.

SAALBACH, LOUIS, MR. AND MRS., Pittsburgh, Pa.
 SCHAETLE, GEORGE KYLE, Philadelphia, Pa.
 SCHARFER, F. C. A., MR. AND MRS., Brooklyn, N. Y.
 SCHARFER, HUGO H., New York, N. Y.
 SCHICKS, GEORGE CHAS., Montclair, N. J.
 SCHINDL, David P., Hagerstown, Md.
 SCHINDL, H. B., JR., Hagerstown, Md.
 SCHLICHTING, A. F., St. Louis, Mo.
 SCHMIDT, CHAS., JR., MR. AND MRS., Baltimore, Md.
 SCHMITT, PHILIP, Chicago, Ill.
 SCHMITT, PHILIP WILLIAM, Little Rock, Ark.
 SCHNEIDER, JOHN W., Baltimore, Md.
 SCHOETZOW, RAY E., Brooklyn, N. Y.
 SCHRAM, W. H., Hillsboro, N. Dak.
 SCHUCALTER, HARRY B., Baltimore, Md.
 SCHULMAN, EMANUEL V., Baltimore, Md.
 SCHULTE, C. J. A., MR. AND MRS., Baltimore, Md.
 SCHULTE, T., Baltimore, Md.
 SCHUMANN, OTTO J., Baltimore, Md.
 SCHUMANN, WILDA MAY, Baltimore, Md.
 SCOTT, EDGAR BURROUGHS, Washington, D. C.
 SCOTT, VIRGINIA PATRIKA, Annapolis, Md.
 SCOVILLE, WILBUR L., MR. AND MRS., Detroit, Mich.
 SEAKLES, ROBT. M., Philadelphia, Pa.
 SELDEN, ISIDORE, Baltimore, Md.
 SENCINDIVER, JUDSON HOLMES, Brooklyn, N. Y.
 SERLES, EARL F., Brookings, S. Dak.
 SEXTON, MRS., Baltimore, Md.
 SEAW, J. MARVIN, MR. AND MRS.
 SEAY, ARTHUR, MR. AND MRS., Baltimore, Md.
 SHELL, J. L., Aberdeen, Miss.
 SHENKO, MORRIS, Baltimore, Md.
 SHEPPARD, A. D., MR. AND MRS., Baltimore, Md.
 SHERRER, M. V., MR. AND MRS., Baltimore, Md.
 SHIVERS, MILORIED LOUIS, Baltimore, Md.
 SIMON, JOHN FRUCHTEN, New Orleans, La.
 SIPLE, Wm. F., Baltimore, Md.
 SLOCUM, J. W., Indiana, Iowa.
 SMITH, A. HOMER, MR. AND MRS., Baltimore, Md.

SMITH, DANIEL H., Washington, D. C.
 SMITH, F. A. UPSHUR, St. Paul, Minn.
 SNOW, CLYDE M., MR. AND MRS., Chicago, Ill.
 SOHL, GEO. A., Baltimore, Md.
 SOLLOD, JOS. A., Baltimore, Md.
 SOLOMON, SIMON, Baltimore, Md.
 SOLOMON, WILLIAM, MR. AND MRS., Baltimore, Md.
 SONDERM, CLARENCE WILLIAM, New York, N. Y.
 SONNENBORN, A. A., Baltimore, Md.
 SPEASE, EDWARD, MR. AND MRS., Cleveland, Ohio.
 SPIKE, W. B., MR. AND MRS., Mt. Rainier, Md.
 STAGMEE, E. R., Baltimore, Md.
 STANBURY, R. B. J., Toronto, Canada.
 STAPLETON, R. E., Baltimore, Md.
 STAUFFER, JESSE E., Rifle, Colo.
 STAUFFER, L. E., Baltimore, Md.
 STEHL, EDWIN, MR. AND MRS., Baltimore, Md.
 STEIGER, LEONARD W., Hackensack, N. J.
 STEINER, D. E., MR. AND MRS., Baltimore, Md.
 STEINER, HENRY R., Baltimore, Md.
 STERLING, ROBT W., Dixon, Ill.
 STERLING, MARY E., Dixon, Ill.
 STOCKING, CHAS. H., Ann Arbor, Mich.
 STREIBURGER, MR. AND MRS., Baltimore, Md.
 STROUP, FRESHMAN P., Philadelphia, Pa.
 SWAIN, R. L., MR. & MRS., Baltimore, Md.
 SWANSON, EDWARD E., Indianapolis, Ind.
 SWENEY, JOHN J., Baltimore, Md.
 SWISHER, MARGARET C., Buffalo, N. Y.

TAGO, NORMAN H., Baltimore, Md.
 TAIBER, EDWIN E., Freeport, L. I., N. Y.
 TAIBER, MINNA, Freeport, L. I., N. Y.
 TAYLOR, AUGUSTUS CARRIER, MR. AND MRS., Wash-
 ington, D. C.
 TAYLOR, FRANK O., Detroit, Mich.
 TAYLOR, WINFIELD SCOTT, Trenton, N. J.
 TERRY, RALPH E., MR. AND MRS., Elmhurst, Ill.
 THOMAS, OSCAR B., Baltimore, Md.
 THOMPSON, MARVIN R., MR. AND MRS., Wash-
 ington, D. C.
 TOWNSEND, RUPERT RICHARD, La Mesa, Texas.
 TROWBRIDGE, H. O., Baltimore, Md.

VERTISKA, RUDOLPH, Humboldt, Neb.
 VIERHOEVER, ARNO, Swarthmore, Pa.
 VILAS, FRED LESLIE, Pierre, S. Dak.
 VOGEL, W. W., MR. AND MRS., Baltimore, Md.

WADDEL, S., Washington, D. C.
 WAGNER, KATHERINE G., Baltimore, Md.
 WAGNER, MANUEL B., MR. AND MRS., Baltimore,
 Md.
 WAGNER, R. H., Baltimore, Md.
 WALKER, PERRY S., Topeka, Kans.
 WALTON, LUCIUS LEONARD, MR. AND MRS., Williams-
 port, Pa.
 WANNENWITSCH, JOHN F., Baltimore, Md.
 WARFIELD, DELMA LENORE, Baltimore, Md.
 WARFIELD, MR. AND MRS., Baltimore, Md.
 WARREN, LEWIS E., Washington, D. C.
 WARREN, HELEN WIXSON, Chevy Chase, Md.
 WARRENFELTZ, J. FRED, Hagerstown, Md.
 WATCHMAN, H. H., MR. AND MRS., Baltimore, Md.
 WATCHMAN, ANNA, Baltimore, Md.
 WEAVER, DUNCAN, MR. AND MRS., Fennville, Mich.
 WEBSTER, GEORGE L., Chicago, Ill.
 WELFARE, SAMUEL EUGENE, Winston-Salem, N. C.
 WELLCOME, H. S., London, England.
 WELLES, HARRY, MR. AND MRS., Baltimore, Md.
 WESTON, J. W. AND FAMILY, Baltimore, Md.
 WHELPLEY, LAURA EUGENIE, Mrs., St. Louis, Mo.
 WHITHEAD, C. L., Baltimore, Md.
 WHITTLE, W. A., Baltimore, Md.
 WHORTON, CARL, Gadsden, Ala.
 WICH, H. E. MR. AND MRS., Baltimore, Md.
 WICKS, H. G., Baltimore, Md.
 WILDER, EARLE MAURICE, Baltimore, Md.
 WILLEMS, GEORGE, Newport, Ky.
 WILLIAMS, L. S., MR. AND MRS., Baltimore, Md.
 WILLIAMSON, R. E. LEE, MR. AND MRS., Baltimore,
 Md.
 WILLIAMSON, THOS. A., Baltimore, Md.
 WILSON, CHARLES E., Corinth, Miss.
 WILSON, ROBERT C., Athens, Ga.
 WIMMER, CURT PAUL, MR. AND MRS., New York,
 N. Y.
 WINNE, A. L. I., Richmond, Va.
 WIRTH, ADAM, New Orleans, La.
 WISOTSKI, GUY, Baltimore, Md.
 WOERNER, WALTER A., Great Falls, Mont.
 WOHLICK, F. P., MR. AND MRS., Baltimore, Md.

WOLF, E. W., Baltimore, Md.
 WOLF, JAMES CARLTON, Baltimore, Md.
 WOOTEN, P. O., MR. AND MRS., Baltimore, Md.
 WRIGHT, LELAND, MR. AND MRS., Baltimore, Md.

YINGLING, RAYMOND B., MR. AND MRS., Baltimore
 Md.
 YOKES, RUTH C., Baltimore, Md.

YOUNGKIN, HEBER W., MR. AND MRS., Arlington,
 Mass.

ZEIGLER, WASHINGTON HAYNE, MR. AND MRS.,
 Charleston, S. C.
 ZEPF, MR., Baltimore, Md.
 ZIEFLE, ADOLPH, MR. AND MRS., Corvallis, Ore.
 ZOELLER, E. V., Tarboro, N. C.
 ZUFALL, C. J., Lafayette, Ind.

ASSOCIATION BUSINESS

THE COUNCIL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION, 1929-1930.

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

LETTER NO. 10.

May 16, 1930.

To the Members of the Council:

The Second Meeting of the Council was held in the Hotel Emerson, Baltimore, Md., on Monday, May 5, 1930, beginning at 9:15 A.M. The following members were present: Bradley, Philip, Christensen, Dunning, Hilton, Beal, Eberle, DuMez, Swain and Kelly.

The reading of the minutes of the previous meeting was dispensed with as they had been published.

The Secretary reported that Motion No. 26 (see Council Letter No. 9, page 299) had been carried.

No. 77.—Committee on Finance. A verbal report was submitted by Chairman Bradley and the report was accepted on motion of Philip, seconded by Christensen, and carried.

No. 78.—Committee on Property and Funds. The following report was submitted by Chairman Dunning and on motion of Philip, seconded by Eberle and carried, the report was accepted and approved:

"To the Chairman and Members of the Council of the AMERICAN PHARMACEUTICAL ASSOCIATION:

"In accordance with Article VI of Chapter IV of the By-Laws of the Council, the Committee on Property and Funds hereby recommends to the Council the following banks and safe deposit vaults:

DEPOSITORIES FOR FUNDS.

The Baltimore Trust Company, Baltimore, Md.
 Drovers and Mechanics National Bank, Baltimore, Md.
 Merchants & Newark Trust Company, Newark, N. J.
 Boston Penny Savings Bank, Boston, Mass.

DEPOSITORY FOR SECURITIES AND DEEDS.

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

No. 79.—Committee on Publications. The following report was read by Eberle for Chairman DuMez:

"Your Committee on Publications respectfully submits the following report on its activities since the meeting held in Rapid City, South Dakota, and on the present status of the ASSOCIATION'S publications:

Journal: The total expenditures for the publication of the JOURNAL for 1929, including the Editor's salary were \$19,885.92 (\$14,885.92 + \$5000.00). The total expenditures for 1928 were \$19,331.62 (\$14,331.62 + \$5000.00), which represents an increase of \$554.30.

The receipts of the JOURNAL for advertising, subscriptions, sale of single copies, reprints, etc., for 1929 were \$10,531.21. The subscription credit amounted to \$7320.20, making the total receipts \$17,851.41. As the receipts for 1928 amounted to only \$16,344.40, this represents an increase of \$1507.01.