

# BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Conducted by H. V. Army, Reporter on the Progress of Pharmacy, Chairman of the Committee on Research.

Beginning with the February issue of the JOURNAL one page or more of each issue will be devoted to a list of articles on pharmaceutical research that appear in the pharmaceutical and other journals of the world. Whenever possible, the list appearing a certain month will record the articles appearing in American journals of the preceding month, and the articles appearing in foreign journals will be recorded as quickly as possible after the date when the Journals reach the Reporter.

All articles appearing in these lists will be presented in abstracted form in the bound volumes of the Year Book, which will be issued as soon after the end of the year represented as editing and printing conditions permit. Those desiring abstracts immediately can obtain same for a fee of one dollar each by communicating with H. V. Army, 115 West 68th St., New York, and arrangements can also be made for securing photographic reproduction of entire articles at moderate prices when such are desired.

In preparing the list of articles in this bibliography only papers presenting results of actual experimental work will be given. Papers referring to the business side of pharmacy, important though such papers are, are not considered as belonging to this specialized bibliography of pharmaceutical research. In only rare cases will deviations be made from the foregoing rule of citing only those articles describing experimental work. Thus, if a general article describing clearly an important scientific discovery and its co-relation to other discoveries is found, it will likely be included in the list.

In launching this undertaking, it is hoped the members of the American Pharmaceutical Association will cooperate with the Reporter in making the bibliography complete. This is particularly the case with research articles prepared by our members and appearing in scientific journals other than those relating to pharmacy. A post card memorandum of such an article giving author and subject, as well as volume, year, month and page of the JOURNAL, will be greatly appreciated.

In conclusion, may the Reporter appeal to pharmaceutical and other scientific journals for aid in making this bibliography as complete and as effective as possible?

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## ENCOURAGING THE EXTENSION OF USES OF GLYCERIN.

A prominent manufacturer has recently established a fellowship at the Mellon Institute of Industrial Research, Pittsburgh, Pa., for the purpose of extending the industrial uses of glycerin. It is expected that this investigation will be centered primarily on the use of glycerin to replace alcohol in the flavoring extract and allied industries.

It is hoped that the results of this "glycerin fellowship" will enlist the interest of the laboratories of schools and manufacturing plants.

## SYNTHETIC PRODUCTION OF GLYCERIN.

The annual report of the Secretary of the Treasury carries the following paragraph, relative to the synthetic glycerin formula prepared in the chemical laboratory of the Bureau of Internal Revenue:

"The termination of military operations in November 1918 made it unnecessary to continue the special project of the chemical laboratory of the Bureau of Internal Revenue for the promotion of the synthetic manufacture of glycerin from the fermentation of molasses according to the formula which had been worked out by the laboratory, as stated in the preceding annual report of the Secretary of the Treasury. This formula, however, which had engaged the attention of a considerable staff of chemists for a period of three months, may have considerable commercial value, as it permits the complete recovery of the raw material in the form of alcohol and potash, as well as glycerin. The formulah as therefore been made available to any manufacturers who may be interested."

PROCEEDINGS OF THE NATIONAL DRUG TRADE CONFERENCE  
HELD AT THE NEW WILLARD HOTEL, WASHINGTON,  
NOVEMBER 25, 1919.

The Conference was called to order by the President, Professor James H. Beal, at 10:30 A.M. November 25, 1919.

The following communication from the American Conference of Pharmaceutical Faculties was read:

"BOSTON, MASS., November 18, 1919

"MR. CHARLES M. WOODRUFF, Secretary, etc.

"My dear Mr. Woodruff:

"In October 1918, you wrote informing me that the American Conference of Pharmaceutical Faculties had been invited to become a member of the National Drug Trade Conference, and I answered that your letter had been received and the matter would be taken up by our Executive Committee. This was done, but we found that it was necessary to wait for a vote on the question by the whole Conference and also for us to provide funds with which to pay assessments and the expenses of delegates. At the recent meeting of the Conference it was voted to accept the invitation and the following delegation has been appointed:

"Henry P. Hynson, 423 North Charles St., Baltimore, Md., Chairman.

"Wortley F. Rudd, 1716 Grove Ave., Richmond, Virginia, and Theodore J. Bradley, 179 Longwood Ave., Boston, Mass.

"I trust that this unavoidable delay has not made our acceptance too late. If you will inform me of the amount of the assessment for this year, I will put it through for payment.

Yours truly,

(Signed) THEODORE J. BRADLEY, *Secretary.*"

On motion the communication was received; the American Conference of Pharmaceutical Faculties was admitted as an organization member of the National Drug Trade Conference and the delegates named in the communication introduced to the Conference by the President.

The roll being called the following delegates were found to be present:

Representing the American Pharmaceutical Association: John C. Wallace, S. L. Hilton and James H. Beal.

Representing the National Wholesale Druggists' Association: W. L. Crounse, alternate for Charles A. West; C. Mahlon Kline and Frank E. Holliday, alternate for George W. Lattimer.

Representing the National Association of Retail Druggists: Samuel C. Henry, Frank T. Stone, alternate for James F. Finneran, and Eugene C. Brokmeyer.

Representing the American Association of Pharmaceutical Chemists: George C. Pratt, alternate for George C. Hall; Dr. W. C. Abbott and Harry C. Noonan, alternate for B. L. Maltbie.

Representing the American Drug Manufacturers' Association: Charles M. Woodruff, R. C. Stofer, alternate for Franklin Black, and Charles J. Lynn, alternate for Fred B. Kilmer.

Representing the Proprietary Association of America: Frank A. Blair, alternate for Fred K. Fernald; Philip I. Heuisler and Harry B. Thompson.

Representing the National Association of Boards of Pharmacy: H. C. Christensen.

Representing the American Conference of Pharmaceutical Faculties: Henry P. Hynson, Wortley F. Rudd and Theodore J. Bradley.

On motion the minutes of the last meeting were approved as printed.

The President then appointed the following nominating committee: John C. Wallace, Frank T. Stone, C. J. Lynn, Frank A. Blair, Frank E. Holliday, W. C. Abbott, H. C. Christensen and W. F. Rudd.

The Executive Committee then made the following report:

REPORT OF A MEETING OF THE EXECUTIVE COMMITTEE OF THE NATIONAL DRUG  
TRADE CONFERENCE HELD AT THE NEW WILLARD HOTEL, WASHINGTON,  
D. C., MONDAY, NOVEMBER 24, 1919.

Meeting called to order by the chairman of the Committee at 10:30 A.M.

Present: James H. Beal, Chairman; Charles M. Woodruff, Secretary; Frank E. Holliday.

representing George W. Lattimer; Frank T. Stone, representing James F. Finneran; Harry B. Thompson and Dr. W. C. Abbott.

The Secretary-Treasurer then read the following Financial Report:

To the officers of and delegates to the National Drug Trade Conference: I hereby submit my financial report to date:

<i>Receipts.</i>		
On hand January 1, 1919.....		\$468.24
Other Receipts.....		0
		\$468.24
<i>Expenditures.</i>		
Voucher:		
1 American Pharm. Assn. 200 reprints special meeting September 15, 1918	\$6.60	
2 Parke, Davis & Co. 500 Codes and Regulations, etc.....	12.86	
3 U. S. Chamber Commerce, dues.....	10.00	
4 Am. Pharm. Assn. 200 reprints of proceedings of January 7, 1919.....	6.60	
		\$36.06

Balance on hand..... \$432.18

The balance on hand is deposited in the Jefferson Avenue Branch of the Dime Savings Bank, at Detroit, Mich. to the credit of the National Drug Trade Conference.

Respectfully submitted,

(Signed) CHARLES M. WOODRU  
*Secretary-Treasurer.*

On motion duly seconded and carried Mr. Frank T. Stone and Dr. W. C. Abbott were appointed a Committee to audit the above report.

The Secretary then read the communication from the American Conference of Pharmaceutical Faculties hereinbefore referred to, and the Committee unanimously voted to recommend to the Conference that the American Conference of Pharmaceutical Faculties be admitted to membership in the National Drug Trade Conference and the delegates named, or their alternates, be received.

The Committee appointed to audit the Secretary-Treasurer's Financial Report then reported that they had found the same correct and it was unanimously voted to recommend to the Conference that the report be received and approved.

Professor James H. Beal then moved that the Conference be requested to adopt the following resolution, and to telegraph the same to Mr. Lattimer.

*Resolved,* That the National Drug Trade Conference learns with regret of the ill-health of one of its delegate members, Mr. George W. Lattimer of Columbus, Ohic. and hereby extends to him its heartfelt sympathy, and most earnest wishes for his speedy recovery.

Motion seconded by Mr. Holliday and unanimously adopted.

Mr. Holliday moved that the Committee recommend to the Conference that the Secretary of the Conference be instructed to cooperate with the Secretary of the National Pharmaceutical Publicity Committee in preparing and later presenting some tangible and feasible plan for national publicity in the interest of American Pharmacy.

Seconded by Dr. Abbott and unanimously adopted.

Mr. Thompson moved that the following resolution be referred to the Conference and its adoption recommended.

*Resolved,* That the National Drug Trade Conference opposes the adoption of any amendment to the Food and Drugs Act enlarging the list of habit-forming and poisonous drugs named in paragraph 2, Section 8 of said Act; or limiting the sale of such drugs to physician's prescriptions unless the objectionable features thereof be stated on the labels; such legislation being proposed in a letter bearing date October 25, 1919, addressed to Representative Haugen, Chairman of the Committee on Agriculture of the House of Representatives by the Hon. D. F. Houston, Secretary of Agriculture.

Motion seconded by Dr. Abbott and unanimously adopted.

Mr. Thompson moved that the following resolution be recommended to the Conference for adoption.

*Resolved*, That the Conference recommends to the Secretary of Agriculture, the Secretary of the Treasury and the Secretary of Commerce that the Regulations for the Enforcement of the Food and Drugs Act be amended so as to permit the substances required by paragraph 2 of Section 8 of said Act to be stated, by giving the quantity in each pill, tablet, powder or other separate unit-dose instead of the quantity in each ounce of such pills, tablets, powders, etc.

Motion seconded by Dr. Abbott and unanimously adopted.

Moved by Mr. Thompson that the Committee recommend the incoming president appoint a representative to attend the coming hearing in room 301, Hooe Building, 1330 F. Street, N. W. to devise ways and means to medicate or decrease the potability of certain alcoholic preparations.

Motion seconded by Dr. Abbott and unanimously adopted.

Mr. Holliday moved to recommend the adoption of the following resolutions by the Conference:

*Resolved*, That the constituent members of the Conference be urged to do all in their power to secure the enactment by the several state legislatures of prohibition laws that shall be uniform with the Federal prohibition law, to the end that compliance with one will be automatic compliance with the other; and be it further

*Resolved*, That the delegates be and they are hereby requested to urge the members of their respective organizations to do all they individually can to further uniformity in Federal and State Prohibition legislation.

Motion seconded and unanimously adopted.

Mr. Holliday then moved that the Executive Committee recommend the adoption by the Conference of the following resolution:

*Resolved*, That the National Drug Trade Conference approve the enactment of the Calder Bill, being Senate Bill 3011; or some similar measure to secure uniformity in Drug legislation.

Motion seconded and unanimously carried.

The committee then adjourned to meet at the call of the chairman.

JAMES H. BEAL, *Chairman*.

CHARLES M. WOODRUFF, *Secretary*.

Mr. Stofer moved that the report be received and the recommendations of the Executive Committee taken up seriatim. Supported by Mr. Wallace, put to vote and carried.

The Conference, having already approved the recommendation that the American Conference of Pharmaceutical Faculties be admitted, then proceed to consider the recommendation that the Financial report of the Secretary-Treasurer be received and approved, and on motion of Mr. Stofer supported by Mr. Crouse the recommendation was concurred in.

The recommendation of the Executive Committee respecting the illness of Mr. George W. Lattimer was concurred in by a standing vote and the following telegram immediately sent:

"Conference learns with regret your illness and votes its heart-felt sympathy and earnest wishes for your speedy recovery."

On motion of Mr. Wallace seconded by Mr. Stofer, and after remarks by Messrs. Holliday, Noonan, Bradley, Stofer, Lynn, Abbott and Woodruff, the Secretary of the Conference was instructed to cooperate with the Secretary of the National Pharmaceutical Publicity Committee in preparing and later presenting some tangible and feasible plan for national publicity in the interest of American Pharmacy.

On motion of Mr. Woodruff seconded by Mr. Kline, and after explanatory remarks by Mr. Thompson, the resolution recommended by the Executive Committee opposing the enlargement of the list of drugs required to be stated on drug packages by the Food and Drugs Act was unanimously adopted.

Mr. Crouse moved that a committee of three delegates be appointed by the incoming president to cooperate with the local representatives of the National pharmaceutical bodies in opposing such legislation.

The motion was duly seconded and carried.

On motion of Mr. Stofer seconded by Mr. Lynn the resolution respecting the method of declaring the content of the required drugs in the case of pills, tablets, etc. was postponed until the afternoon session.

On motion of Mr. Crouse, seconded by Mr. Blair, and after remarks by Mr. Crouse and Mr. Lynn, the recommendation of the committee that the incoming president appoint a representative to attend the coming hearing to determine ways and means to decrease the potability of certain alcoholic preparations was concurred in.

On motion of Mr. Woodruff seconded by Mr. Hynson, and after remarks by Messrs. Henry Thompson, Crouse, Holliday and Woodruff the resolution recommended by the Committee urging uniform liquor legislation was adopted unanimously.

On motion of Mr. Crouse seconded by Mr. Lynn the resolution of the Committee in support of the Calder bill was adopted.

President Beal then stated that the Executive Committee had informally requested him to draw a resolution on the lines of the one he was about to read, and offered the following:

*Resolved*, That the National Drug Trade Conference urges upon those charged with the enforcement of the Federal Prohibition act the importance of distinguishing between the attempted or reported use of an alcoholic medicinal compound for beverage purposes and its actual and successful use for such purposes. The mere rumor that a given medicinal compound can be used as alcoholic beverage, or a newspaper report to that effect, will cause many alcoholic addicts to make a trial of it, creating a temporary spurt in the sale which ceases as soon as the purchasers discover their mistake.

The National Drug Trade Conference therefore urges that alcoholic medicinal compounds in existence before the adoption of the Federal Prohibition Act and recognized in the drug trade as legitimate medicinal preparations before that date should be condemned only upon the clearest and fullest evidence of their actual and repeated and successful employment for intoxicating beverage purposes.

On motion of Professor Beal seconded by Mr. Stofer the resolution was adopted.

On motion of Mr. Wallace, seconded by Mr. Holliday, Mr. Wheeler, attorney for the Anti-Saloon League, was invited to address the Conference at 2:30 in the afternoon.

The Conference then adjourned until two o'clock.

#### *Afternoon Session.*

The Conference reconvened at 2 o'clock P.M.

Mr. Thompson then moved the adoption of the following resolution as a substitute for the similar resolution recommended by the Executive Committee.

*Resolved*, That the Conference recommends to the Secretary of Agriculture, the Secretary of the Treasury and the Secretary of Commerce that the regulations for the enforcement of the Food and Drugs Act be so amended as to require the substances required by paragraph 2, Section 8 of said act to be stated on the package, to be stated by giving the quantity in each pill, tablet, powder or other separate unit dose instead of the quantity in each ounce; provided, however, that a reasonable time shall be given manufacturers to use up present stocks of labels and packages.

The motion was seconded by Mr. Lynn, put to vote and carried.

Mr. Wayne B. Wheeler was then introduced and made some remarks in which he expressed the purpose of the league he represented was not to unnecessarily hamper the pharmaceutical industry in the conduct of its lawful business.

The President replied expressing the views of the Conference as indicated by the resolutions it had passed at this session in all of which Mr. Wheeler acquiesced.

The Nominating Committee then reported the following nominations:

For President: Samuel C. Henry of Chicago.

For Vice-President: H. Lionel Meredith of Baltimore.

For Secretary-Treasurer: W. J. Woodruff of Detroit.

On motion duly seconded and carried the Secretary cast the ballot of the Conference for the candidates and they were declared duly elected.

The following delegates were then duly elected to serve with the president and secretary as the Executive Committee:

John C. Wallace, George W. Lattimer, or Clarence M. Kline, in the event of Mr. Lattimer not being able to serve; Dr. W. C. Abbott, Harry B. Thompson, H. Lionel Meredith, Henry P. Hynson.

On motion duly seconded and carried the report of the Executive Committee as amended by the motion of Mr. Thompson was approved and adopted as a whole.

Mr. Hilton then read a communication from the Manufacturers' Association of Seattle in behalf of the Metric System, which was laid on the table.

On motion duly seconded and carried the President-elect was instructed to appoint a committee of three to urge the immediate enactment of the Steenerson Bill H. R. 9781 to so amend the law respecting the mailing of poisons as to permit the Postmaster General to make regulations that will admit medicinal preparations containing poisonous substances to the mails.

Mr. Bradley moved and Mr. Stofer seconded the motion that the President-elect be instructed to appoint a committee of five to consider and report to the Executive Committee upon the question of reducing and changing certain menstua with the object of eliminating alcohol or reducing its strength or quantity wherever possible.

After some discussion the mover and his second accepted a substitute motion that the whole matter be referred to the Executive Committee with power, and it was so ordered.

On motion duly seconded and carried it was voted to continue the affiliation of the Conference with the Chamber of Commerce of the United States and the appointment of a councilor was referred to the President-elect.

On motion duly seconded and carried the Executive Committee was instructed to apply for representation in the next Pharmacopoeial Convention, and if such representation was granted to appoint three delegates.

Consideration of the Steenerson Bill respecting the exclusion of advertisements of remedies for the treatment of venereal diseases was referred to the Executive Committee with power.

On motion duly seconded and carried the question of price maintenance was referred to the incoming Executive Committee.

The new President was then inducted into his office and took the Chair.

J. H. Beal presented the following resolutions which were adopted unanimously by a rising vote and ordered to be spread upon the minutes:

WHEREAS, the Hon. Charles M. Woodruff was one of the original founders and organizers of the National Drug Trade Conference, and has since the date of its organization most efficiently and faithfully served as its Secretary-Treasurer without compensation and frequently at the cost of personal inconvenience, therefore be it

*Resolved*, That the National Drug Trade Conference hereby expresses its great regret at the necessity which has prompted Mr. Woodruff to decline re-election to the office of Secretary-Treasurer, and greatly recognizes the fact that his unselfish and efficient services in that office and his wise and timely counsels have contributed greatly to the success of the Conference and to its present high standing among national Drug Trade organizations, and be it further

*Resolved*, That the members and delegates of the National Drug Trade Conference hereby individually and collectively express their grateful thanks to Mr. Woodruff for his past valuable services, and unite in wishing him a long-continued, prosperous and happy life.

The Conference then adjourned.

SAMUEL C. HENRY, *President*.

W. J. WOODRUFF, *Secretary*.