

# THE AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY

## ABSTRACT OF THE PROCEEDINGS.

The thirty-ninth annual meeting of the American Association of Colleges of Pharmacy was held at the Nicollet Hotel, Minneapolis, August 22 and 23, 1938. One hundred and forty-nine representatives from 50 member-colleges were in attendance. This was perhaps the largest number of colleges represented at a meeting in the history of the Association. At least seven other colleges had representatives at some of the sessions.

The invocation was given by Dean Gordon L. Curry, Louisville College of Pharmacy.

On motion of Dean Beard a telegram of greetings and sympathy was sent to Dr. Crockett, who was president last year, and who has been ill throughout the year.

President Muldoon made the following appointments: Committee on Resolutions: Howard C. Newton, *Chairman*; Glenn L. Jenkins; William A. Jarrett; A. John Schwarz; H. Evert Kendig. Committee on Nominations: Justin L. Powers, *Chairman*; Joseph B. Burt; Eldin V. Lynn. Auditing Committee: Ivor Griffith, *Chairman*; Ralph E. Terry, John J. McCloskey.

ADDRESS OF THE PRESIDENT.—President Muldoon pointed out some reasons why deans must play an important part in Association work but showed how other staff members may also become a force in the organization. He advised surrender of all accrediting work to the American Council on Pharmaceutical Education, which the American Association of Colleges of Pharmacy helped to create and whose standards it has approved. He pointed out the necessity for member-colleges having collegiate status in university groups.

He spoke highly of the *American Journal of Pharmaceutical Education*, and commended its editor for showing the desirability of such a publication and for the energy and skill that made it a reality.

He directed attention to the influence in pharmaceutical education that comes from district meetings of Boards and Colleges.

The future work of the Association, he said, needs careful consideration. Retail Pharmacy must be kept in mind and the Association must be on guard against pressure for more, instead of better, pharmacists. A study of teaching is much needed; we must keep pace with educational thought and practice. Teachers are responsible for much more than intellectual advancement of those they teach. Pharmacy must be integrated into public health programs; there is other work to be done and numerous studies to be made in order that Pharmacy may continue to command the respect of other professions and be worthy of public support.

President Muldoon's address was received with appreciation and his recommendations referred to the Committee on Resolutions.

REPORT OF THE SECRETARY-TREASURER.—Secretary Cooper reported a membership of 55 colleges with none in arrears for dues. The balance in the checking account is \$2439.74. The special fund includes \$2715.28 in a savings account and government bonds having a par value of \$5000, making a total in this fund of \$7715.28. This fund is being drawn upon to pay the expense of inspection (of those colleges that paid into it) by the American Council on Pharmaceutical Education. The report also submitted figures concerning the publication of the *American Journal of Pharmaceutical Education*.

The report was accepted and the Auditing Committee, Dean Ivor Griffith, *Chairman*, found the accounts to be correct.

REPORT OF THE EXECUTIVE COMMITTEE.—Dean Little, Chairman of the Executive Committee, submitted statistics concerning beginning classes and graduating classes. Entering students for the college year 1937-1938 numbered 2262, an increase over 1936-1937 of about 1.3 per cent of which about 33 per cent had previous college training.

Following is a summary of information concerning those graduated from member-colleges:

Graduates receiving B.S. degree	1169	Honorary degrees	13
Advanced degrees	31	Master of Science	2
Pharmaceutical Chemist	4	Doctor of Pharmacy	4
Master of Science in Pharmacy	17	Doctor of Science	5
Doctor of Science	1	Doctor of Laws	1
Doctor of Philosophy	9	Doctor of Philosophy	1

Dean Little discussed changes in the convention program, the proposed amendments to the Constitution and By-Laws, the American Council on Pharmaceutical Education, problems which the Association should undertake, the *American Journal on Pharmaceutical Education*, state aid for pharmaceutical education, the work of committees, the Sub-section on Pharmacy of the American Association for the Advancement of Science, the AMERICAN PHARMACEUTICAL ASSOCIATION Committee on Modernization of Pharmacy Laws and the question of pharmacists for the Medical Administrative Corps of the United States Army. The report was accepted.

The following recommendations which were included in the report were adopted:

1. That member-colleges be not permitted to award the doctor of philosophy degree as an honorary degree and that our secretary be instructed to write the dean of each Association college informing him of this action.

2. That Article VII of our Constitution be amended to read as follows: "Executive Committee. The Executive Committee shall consist of the Chairman, the President, the Secretary-Treasurer, the Editor of the *American Journal of Pharmaceutical Education*, the immediate Past-President of the Association and four accredited delegates, two of whom shall be elected each year, and who shall hold office for two years."

3. That an honorarium of \$100.00 be given to the Editor of the *American Journal of Pharmaceutical Education* and that his convention expenses be paid.

4. That the sum of \$360.00 a year be appropriated to furnish the Editor with part-time secretarial help, providing the finances of the Association make such an appropriation possible and feasible.

5. That papers presented at the convention shall become the property of the Association and be given to representatives of drug and other journals only by the secretary under the direction of the Executive Committee.

THE COMMITTEE ON CURRICULUM AND TEACHING METHODS.—Chairman Burlage reported that inasmuch as the subject of entrance requirements was referred to the Committee, upon a recommendation based on Dean Jordan's paper on that subject last year, the year's work had been limited to that task. Catalogs of colleges were studied and a summary of present requirements included in the report. The Committee made definite recommendations for entrance requirements. The report was accepted and the recommendation referred to the Committee on Resolutions. An amendment to the motion to refer was adopted to the effect that the report be distributed to member-colleges to be studied for a year before action is taken. The Committee on Resolutions, in considering the action taken, expressed agreement and recommended that action be deferred for at least a year.

DELEGATE TO THE AMERICAN COUNCIL ON EDUCATION.—Dr. Lyman spoke briefly of the function of the Council, expressed the belief that the *Educational Record*, official publication of the Council, should be in the Library of every College of Pharmacy, and quoted some statements from a speaker at the Council's annual meeting about what makes a "good meeting:" Briefly a good attendance, a good program, with discussions that continue when sessions come to a close, and not least, perhaps, meeting old friends. The report was received with appreciation.

COMMITTEE ON RELATION OF BOARDS AND COLLEGES.—Dean Kendig, General Chairman, directed attention to the development that has taken place in the joint meetings of Boards and colleges. Resolutions of national significance that were adopted in the six districts where meetings were held were made a part of the report. The report was accepted and the recommendation referred to the Committee on Resolutions.

COMMITTEE ON LIBRARIES.—Chairman Lee submitted an alphabetical list of pharmaceutical journals with acceptable abbreviations for them. The Committee has the following projects under way: Preparation of a minimum list of journals for teaching and research; minimum lists of reference books on Botany and Pharmacognosy, on Pharmacy and on Pharmaceutical Chemistry. The report was accepted.

COMMITTEE ON PROBLEMS AND PLANS.—Chairman Lyman stated that three major problems are before the committee: Researches on the deterioration of drug products; how to find a finer type of student intellectually and spiritually; the advisability of assembling the undergraduate needs and evaluating the research facilities of colleges of the Association. The report commented on these projects, particularly some of the difficulties involved.

Among the minor projects, one has been completed this year entitled, "A Survey of the Basic Biological Sciences in Colleges of Pharmacy," by Dr. R. A. Deno. Another which is nearing completion is, "A Study of the Character of the Four-Year College Student as Compared to Short Course Students," by Dr. H. M. Burlage.

The committee is also concerned with developing a high class program in the Sub-section on Pharmacy of the American Association for the Advancement of Science. The report was accepted.

**COMMITTEE ON ACTIVITIES OF STUDENTS AND ALUMNI.**—Chairman Ireland in his report directed attention to some of the more unusual student activities, and commended certain organizations that seem to be leaders in activities in schools where they exist. The report was adopted and the recommendations referred to the Committee on Resolutions.

**EDITOR OF THE AMERICAN JOURNAL OF PHARMACEUTICAL EDUCATION.**—Dean Lyman directed attention to the fact that payment of annual dues to the Association entitles each member-college to one copy of the JOURNAL. He expressed appreciation of the coöperative spirit of many deans and amazement that some member-colleges are not contributing a single subscription.

He reported that much more material is received than can possibly be published if we stay within the cost allotment made by the Publication Board. The report was accepted.

**COMMITTEE ON FOOD AND DRUG LEGISLATION.**—Chairman Jordan directed attention to the publication of a summary of the work of the Committee last year, and related very briefly the history of "The Federal Food, Drug and Cosmetic Act." The committee is of the opinion that its efforts and the resolutions passed at the Washington meeting were effective. The report pointed out that the work of the Association is not finished. Every teacher in colleges of pharmacy should see that students become familiar with the provisions of the law; and member-colleges should take a leading part in bringing the food and drug laws of their respective states into unison with the new federal act. The report was received with the thanks of the Association.

**COMMITTEE ON PREDICTIVE AND ACHIEVEMENT TESTS.**—Chairman Klemme reported that in conjunction with a sub-committee of the Committee on Measurement and Guidance of the American Council on Education, plans for a five-year study on achievement tests in Pharmacy had been completed and had been approved by the American Council on Education. Efforts to secure funds to finance the project had failed because the foundations approached were interested primarily in general education and not professional. Work of the Committee will of necessity be limited to examination of existing aptitude tests and the possibility of their application to beginning students in Pharmacy.

The report was received and the following recommendations contained in it were adopted:

1. That the Committee on Predictive and Achievement Tests assemble a representative sampling of available aptitude and intelligence tests which might be applicable for administration to entering pharmacy students and that the cost of such procedure be borne by the Association. This cost should not exceed \$50.00.

2. That the Committee study the aptitude and intelligence tests thus assembled and be prepared to recommend at the next meeting of the Association certain tests for use in schools of the Association.

3. That the Committee examine thoroughly the cost of administering such tests and be prepared to state definitely, at the next meeting of the Association, what the cost would be to each school participating.

**COMMITTEE ON PROFESSIONAL RELATIONS.**—Chairman Schicks reported a considerable increase in inter-professional work. Comments were made on some special work done and replies from a questionnaire concerning work being done in 29 states were presented in tabulated form. The report was accepted.

**COMMITTEE ON REVISION OF THE CONSTITUTION AND BY-LAWS.**—Chairman DuMez submitted the following amendments to the constitution, which were adopted:

1. Article 3, Paragraph 2. Strike out all of Paragraph 2 and substitute therefor: "The title, College of Pharmacy, shall be interpreted as designating an incorporated college of Pharmacy, or a school, college or department of Pharmacy in a state university or in a regularly incorporated or legally empowered educational institution."

2. Article 10. In paragraph 1, line 1, add after the word "business," "except the election of members."

The Committee also recommended the following amendments to the By-Laws:

Article 1. Delete Paragraph 4 which reads as follows: "All member-colleges shall be visited at least once in three years by representatives appointed by the Executive Committee."

Article 7. Strike out all subject matter from Items 1 to 12, inclusive, and substitute therefor the standards adopted by the American Council on Pharmaceutical Education.

The chairman of the Executive Committee had submitted these proposed changes to the deans of member-colleges more than forty days prior to the annual meeting. This was in compliance with Article 7, Section 14. The dean of each member-college had had these requirements in the Standards for Accreditation of Colleges of Pharmacy sent out by the American Council on Pharmaceutical Education early in the year. In order that all staff members might have ample time to study the proposed amendments, the motion to postpone vote on them until next year was carried.

The report of the Committee was accepted.

REPORTS OF OTHER COMMITTEES AND REPRESENTATIVES.—Dean DuMez, chairman of the Committee on Educational and Membership Standards, made a brief verbal report; Dr. Heber W. Youngken reported on Biological Abstracts; Dean J. Lester Hayman reported for the delegates to the National Drug Trade Conference; and Dr. A. John Schwarz gave a report on the program of the American Conference of Pharmaceutical Research.

COMMITTEE ON RESOLUTIONS.—Chairman Newton made the report, presenting first the following resolution:

That the Association records its appreciation of the accomplishments of its president, Dean Hugh C. Muldoon, during the past year, of his excellent address which analyzes so well the organization's needs, and of his pleasing efficiency in presiding over the meetings, all of which have contributed to the progress of the work of the Association. The resolution was adopted.

From the President's Address: 1. That as an experiment for one year, we combine the four Teachers' Conferences into a single group which will function this year under the chairmanship of the teacher chosen to-day to act as chairman of the Conference on Pharmacy. The secretary of the Chemistry Teachers' Conference will act as secretary for the combined groups. These officers, together with the other newly elected officers of all the Conferences, will serve as a committee to arrange for next year's meeting, a program of general interest. If this plan is adopted and is successful, arrangements for its continuance can be made at the 1939 meeting. If it fails, other action can then be taken.

Because of the great enthusiasm and splendid attendance of this year's conferences, doubtless due in part to President Muldoon's inspiring leadership, the Committee recommended that action on the proposed change be deferred until next year, and the recommendation was adopted.

2. That the By-Laws be so amended as to require after January 1, 1942, that no new college will be admitted to membership in the American Association of Colleges of Pharmacy, unless it has been accredited previously by the American Conference on Pharmaceutical Education. The Committee approved this recommendation and it was adopted.

3. That, where a school of pharmacy has been subordinated to some other division of the university, the Executive Committee be directed to use an increased degree of aggressiveness in endeavoring to correct the situation wherever such a merger may have already taken place and, likewise, wherever it may be learned in advance that an action of this sort is contemplated. The committee approved this recommendation, and it was adopted.

4. That the secretary of the Association be directed to bring such action (Recommendation 3) to the attention of the American Council on Pharmaceutical Education. The Committee approved this recommendation, and it was adopted.

5. That the Executive Committee be empowered to provide the Editor of the *American Journal of Pharmaceutical Education* with such clerical assistance as he may need in connection with the publication of the *Journal*, the cost of such help during the coming year to be not greater than \$360.00. The Committee approved this recommendation, and it was adopted.

6. That for each District (Boards and colleges) which publishes its proceedings, and

which asks for a contribution, the Association shall make an allowance of \$25.00 per year to help meet publication costs.

The committee approved this idea but recommended that the allowance be one-half the cost of the publication of the proceedings, the total not to exceed \$25.00 per year for any one district. The modified recommendation was adopted.

From the Committee on Curriculum and Teaching Methods: That the following entrance requirements be adopted for admission to the first-year class in Pharmacy.

1. The applicant shall be seventeen years of age; this age limit shall be lowered *only* under exceptional circumstances.
2. The applicant must have completed a four-year course of not less than fifteen units in a secondary school approved by a recognized accrediting agency. (This requirement has been established by the American Council on Pharmaceutical Education.)
3. Of the fifteen units required the following are prescribed: (a) English, four units of which at least half shall be composition and grammar; (b) Mathematics, two units; (c) Foreign language (Latin, German, or French), two units; (d) Natural science, two units, one unit of which shall be physics.
4. Units in vocational subjects with the exception of typing shall not be accepted.
5. Until suitable predictive tests are available as a means of selecting students for entering Pharmacy, only an applicant ranking scholastically in the upper half of a class graduating from High School shall be considered eligible for admission.

The Committee on Resolutions recognized the thoughtful work involved in the report on a most important subject, and in accord with Dean Jordan's motion which was attached, recommended that action be deferred for at least one year to give time for study. The amended recommendation was adopted.

From the Committee on Relation of Boards and Colleges: That the Schools of Pharmacy and the Boards of Pharmacy of the states of Oregon, Washington, Idaho and Montana make arrangements for a meeting at a suitable time and place next year; that they endeavor to obtain attendance from other states concerned and that out of their experience a report be made to the General Chairman of the Committee which may serve as a basis for additional recommendations next year. The Committee on Resolutions approved this recommendation and it was adopted.

From the Report of the Committee on Activities of Students and Alumni: That the Association confer with Mr. Harry Anslinger, Director of the Federal Bureau of Narcotics, to obtain the services of Mr. Joseph M. Bransky in delivering his illustrated lectures at the colleges. The Committee on Resolutions felt that this was a matter to be decided by the individual colleges rather than by the Association as a whole, and recommended that it be not adopted and the vote was to this effect.

Finally the Committee on Resolutions offered the following resolution:

That the Association records its appreciation of the work of all those who have participated in the program of these meetings, and thereby have contributed to the progress of pharmaceutical education. The resolution was adopted.

The report of the committee was adopted as a whole, and the First Session then adjourned.

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The Second Session held on Monday evening, August 22nd, was given up entirely to a panel discussion under the leadership of Dean Serles, on the subject, "How Would the Development of a System of Socialized Medicine as Recommended by Miss Roche Affect the Future of Pharmacy?" The following papers were presented:

"Retail Pharmacy" (with reference to the number of outlets now established), by Leslie M. Ohmart.

"Curricula of Colleges of Pharmacy," by Glenn L. Jenkins.

"Pharmaceutical Research," by L. Wait Rising.

"Pharmaceutical Legislation," by Ralph E. Terry.

"Public Health," by Earl R. Serles.

"The Scope and Cost of Professional Service," by Edward D. Davy.

Following the presentation of the papers there was general discussion.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.—Dean Rudd announced that the Program Committee for the Sub-section on Pharmacy of the American Association for the Advancement of Science consists of Dr. Jenkins, Dean Spease and himself, *Chairman*. The next meeting, December 1938, is to be at Richmond and the Program Committee is arranging a Symposium on Glycols. The president of the American Chemical Society will be one of the speakers.

CONTRIBUTION TO THE AMERICAN COUNCIL ON PHARMACEUTICAL EDUCATION.—The Association authorized the payment of \$200.00 toward the work of the Council.

ELECTION OF NEW MEMBERS.—Five colleges were elected to membership in the Association. The membership of Ferris Institute College of Pharmacy at Big Rapids, Michigan, becomes effective at once. Membership of the other four, Columbia University, College of Pharmacy, New York; University of Buffalo, School of Pharmacy, Buffalo; Long Island University, College of Pharmacy (Brooklyn College of Pharmacy), Brooklyn; and Fordham University, College of Pharmacy, New York, is to become effective when they have graduated their last class from a course of less than four years' duration.

ANNUAL DINNER.—At the annual dinner, at which members of the National Association of Boards of Pharmacy were guests of the Association of Colleges, President Muldoon acted as toastmaster. Officers of the two Associations were presented.

Dean Rogers presented the guest speaker, Dr. T. R. McConnell, Professor of Education and Director of the Committee on Educational Research of the University of Minnesota, who spoke on "The Relation of Professional and General Education."

ELECTION OF OFFICERS AND COMMITTEE MEMBERS.—*President*, Earl R. Serles, Brookings, South Dakota; *Vice-President*, James M. Dille, Seattle, Washington; *Secretary-Treasurer*, Zada M. Cooper, Iowa City, Iowa; *Chairman of the Executive Committee*, Ernest Little, Newark, New Jersey; *Member of the Executive Committee to fill the unexpired term of Dean Lyman*, who by virtue of the amendment to the Constitution, as Editor of the *American Journal of Pharmaceutical Education*, is a member, J. Grover Beard, Chapel Hill, North Carolina; *Members of the Executive Committee for two-year term*: Andrew G. DuMez, Baltimore, Maryland; Glenn L. Jenkins, Minneapolis, Minnesota; *Member of the Syllabus Committee for seven-year term*: Henry M. Burlage, Chapel Hill, North Carolina; *Member of the Syllabus Committee for unexpired term of Dr. Langenhan (resigned)*: Howard C. Newton, Boston, Massachusetts.

PRESIDENT GAUDIN SPEAKS.—The Very Reverend Harold A. Gaudin, president of Loyola University of the South, was present at the last session and addressed the convention briefly, commending its members for the intelligence and seriousness with which they went about their work.

STUDENT MEMBERSHIP IN THE AMERICAN PHARMACEUTICAL ASSOCIATION.—The advantage of joining the AMERICAN PHARMACEUTICAL ASSOCIATION while still students in college was discussed at some length. A motion was adopted to the effect that "we solicit greater interest in the AMERICAN PHARMACEUTICAL ASSOCIATION on the part of our undergraduates and urge them to become members of the AMERICAN PHARMACEUTICAL ASSOCIATION."

APPRECIATION OF PRESIDENT BYRD'S ADDRESS.—On motion by Dean Wilson, the Association extended a vote of appreciation to President Byrd for his address before the Joint Session.

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Joint Session of the AMERICAN PHARMACEUTICAL ASSOCIATION, the American Association of Colleges of Pharmacy and the National Association of Boards of Pharmacy. (See page 1000.)

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#### CONFERENCE OF TEACHERS OF PHARMACY.

Dr. Rising presided and the following papers were presented:

"Teaching of a Technician's Course for a Pharmacist," by D. B. R. Johnson.

"The Use of the Library in Undergraduate Instruction," by Edward J. Ireland.

"The Use of the Library in Undergraduate Instruction," by William A. Jarrett.

"An Outline of a Course in Dispensing," by Howard C. Newton.

"How Pharmacy Journals Could Help the Teachers of Pharmacy," by Charles O. Lee.

"Observations on Pharmaceutical Arithmetic Problems, Students' and State Board Examinations," by Carroll B. Gustafson.

The following officers were elected for the ensuing year: *Chairman*, Dean Elmer L. Hammond; *Vice-Chairman*, Dean D. B. R. Johnson; *Secretary*, Dean William A. Jarrett.

CONFERENCE OF TEACHERS OF CHEMISTRY.

Dr. Justin L. Powers presided and the following papers were presented:

"Significance of Correlations between Predictive and Achievement Tests," by Charles H. Rogers and Marjorie E. Moore.

"The Objectives of Quantitative Analysis in the Pharmaceutical Curriculum," by Arthur E. James.

"Qualifications of One Prepared to Teach Pharmaceutical Chemistry," by Lawrence H. Baldinger.

"An Attempt to Provide for Individual Differences in Analytical Chemistry," by Ray S. Kelley.

"Simple Experiments to Impress Students," by Charles W. Bauer.

"Chemotherapy as a Part of the Course in New and Non-Official Remedies," by Abraham Taub.

The following officers were elected for the ensuing year: *Chairman*, Professor Gordon A. Bergy; *Vice-Chairman*, Dr. H. George DeKay; *Secretary*, Dr. Fred S. Bukey.

CONFERENCE OF TEACHERS OF PHARMACOGNOSY AND PHARMACOLOGY.

Dr. Goodrich presided. Minutes of the New York meeting were read and approved.

Papers on "Teaching of the Laboratory Course in Pharmacognosy," were presented by L. K. Darbaker, Ralph D. Bienfang, Heber W. Youngken and Frank J. Slama. General discussion followed the reading of the papers.

Papers on "Teaching of the Laboratory Course in Pharmacology," were presented by B. V. Christensen, James M. Dille and Arno Viehoever. General discussion followed.

A paper, "Demonstration of Cardiac Drugs," was presented by Lovell D. Hiner.

The following resolution was adopted: "That the type of program introduced this year be continued and, if Pharmacology and Pharmacognosy are discussed, the order of discussion be reversed."

The following officers were elected for the ensuing year: *Chairman*, Dr. Marin S. Dunn; *Secretary*, Professor J. Hampton Hoch.

CONFERENCE OF TEACHERS OF PHARMACEUTICAL ECONOMICS.

Dr. Clark presided and the following papers were presented:

"Teaching the Commercial Aspects of Endocrines," by William H. Stoner.

"Teaching Salesmanship," by Joseph H. Goodness.

"Teacher, Study Your Market," by Ralph W. Clark.

"Commercial Problems of Professional Pharmacy," by Frederick D. Lascoff.

"Commercial Ethics," by Roland T. Lakey.

"Business Training for the Pharmacy Student from the Retailer's Point of View," by Nathan Zonies.

The following officers were elected for the ensuing year: *Chairman*, Professor Frederick D. Lascoff; *Secretary*, Dr. B. Olive Cole.

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