

medical ideas. These products should be subjected to thorough pharmacological and clinical tests.

Although the N. F. does not take the responsibility of indorsing the therapeutic value of its items, this policy should not deter the pharmacist from detailing the physicians with N. F. preparations, since we need only recall that the N. F. contains preparations of such drugs as the cinchona alkaloids, the bromides, strychnine, cod liver oil, cascara sagrada, iron, salicylates, senna, belladonna, santonin, ipecac, opium, digitalis, calomel and many other preparations containing drugs of unquestioned therapeutic value presented in combinations which have been found useful by physicians.

The increasing use of the N. F. by pharmacists makes it necessary that we place increasing emphasis on the N. F. in our pharmacy courses. Our conference here to-day gives us the opportunity of exchanging ideas regarding methods of teaching and content of courses which will place proper emphasis on the N. F. Our teaching could well be aimed to inspire some constructive thought on the part of the students, so that they will view the N. F. as a living, growing project which is theirs to use and to develop to an ever-increasing extent in the upbuilding of the profession of pharmacy in its service to humanity.

EXTRACTS FROM THE SUMMARY OF PROCEEDINGS OF THE 1934 MEETING OF THE AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY.

The 35th annual meeting of the American Association of Colleges of Pharmacy was held May 7th and 8th. Eighty-six delegates from forty-four member colleges were in attendance.

Dean Theodore J. Bradley presented a memorial on the death of Prof. Florin J. Amrhein.

The address of President L. D. Havenhill is printed in the May number on pages 462 to 470.

Secretary-Treasurer Zada M. Cooper reported a membership of fifty-seven colleges with one in arrears for dues. A second series of visits to member colleges was completed early in the year.

Cash on hand amounted to \$1233.58. The report was accepted and an Auditing Committee appointed.

Chairman C. B. Jordan, of the Executive Committee, submitted the following relative to fifty-five colleges reporting: The total number of entrants for 1933-1934 was 1902; the number of High School graduates, 1894; the number of special students, 8; the number that had previous college training, 500. This report shows an increase of 7% over that of 1932 to 1933; the number of students having previous college training increased 3%; the total by 26.3% of all entering students.

The report contained the following recommendations, which were adopted:

(1) That a committee of three be appointed to cooperate with similar committees of the N. A. B. P. and the A. Ph. A. to assist in straightening out code matters.

(2) That credits earned in a standard college, one recognized by the state educational department or by the state university in which it is located, may be accepted for face value in a college of pharmacy in so far as such work applies in the course in pharmacy, but, regardless of amount of credit offered, no student will be permitted to complete the course in pharmacy in less than two collegiate years. This recommendation was made a part of Paragraph 3 of Article VII of the by-laws.

(3) That the Association request the American Council on Pharmaceutical Education to proceed without further delay to perform the functions for which it was created and that the secretary inform the President of the American Council on Pharmaceutical Education of this request.

(4) The American Association of Colleges of Pharmacy is vitally interested in any attempt to improve the control of the sale and the advertisement of food, drugs and cosmetics, and it goes on record as highly in favor of legislation that will properly protect the public against the advertisement or sale of fraudulent, misrepresented, poisonous or deleterious food, drugs or cosmetics.

(5) That this Association goes on record as favoring Amended Senate Bill 2800 as reported by the Senate Committee on Commerce on March 15, 1934, or a bill of equal or greater merit.

A resolution, relative to ideal qualifications for deans, which had been referred to the Executive Committee was considered and the following recommendation made and adopted:

That the Executive Committee does not approve of the recommendation as written and recommends that it be referred to the American Council on Pharmaceutical Education for further study.

In a supplementary report, Dean Jordan presented a request for the Conference of Teachers of Pharmacognosy and Pharmacology that the Executive Committee recommend the appointment of a committee to study the conditions effecting the study of Botany. This was adopted and the committee appointed.

Chairman J. G. Beard reported for the Syllabus Committee. He directed attention to the fact that there is less unanimity of opinion about the subject matter of pharmaceutical education than of any other type of organized education.

Dean R. A. Lyman presented a paper, "The American Association of Colleges of Pharmacy in Its Relation to the American Council on Education." He recommended the appointment of a Problems and Plans Committee as a standing committee of the Association whose function it will be to study the problems which most concern pharmaceutical education and work out plans for comparative research of a pharmaceutical and educational nature. The report was adopted.

Dean Ernest Little reported for the Committee on Qualifications for Admission to Membership in the Association. Dean Little reported that the Committee had been out of work for three years; that last year a report had been submitted and the entire session had been given to its discussion. The report was accepted and a copy sent to each member college. The report was submitted and voted upon paragraph by paragraph, and adopted.

Prof. Charles Stocking reported for the Committee on Educational Standards; Prof. A. B. Nichols for the Committee on Activities of Students and Alumni. Prof. Schlichting, through Dr. C. E. Caspari, reported for the Committee on Relations of Boards and Colleges.

The report of the Committee on Student Branches of the A. Ph. A., by George L. Webster, was read by Dr. W. F. Rudd.

The report of the Committee to study the list of crude drugs prepared by District No. 2, Dr. E. V. Lynn, Chairman, was read by Dr. B. V. Christensen. This Committee is to be increased and the work continued.

The report of the representative on American Council of Pharmaceutical Education was presented by Dr. A. G. DuMez. He stated that the Council had not yet begun to function except to act upon some special matter because there has been a lack of funds. Plans call for \$200 from each Association to start work on methods for standardizing of schools.

The Council has under advisement a matter of undertaking a study of practical experience, a question referred to it by the American Association of Colleges of Pharmacy. Another question which has been referred to the Council was "What Advance Credit Shall Be Given for Work Done by Pharmaceutical and Non-Pharmaceutical Member Colleges?"

Dr. H. W. Youngken reported on Biological Abstracts; Dr. Glenn L. Jenkins for the National Conference on Pharmaceutical Research; Dean J. G. Beard for the National Drug Trade Conference. Dr. Paul Olsen reported for the Druggists Research Bureau and Prof. R. E. Terry for the National Association of Retail Druggists. Dean Edward Kremers reported on the progress of his work as Historian. The reports were accepted.

REPORT OF THE COMMITTEE ON RESOLUTIONS.

The Committee on Resolutions, consisting of Dr. W. J. Husa, Chairman, Prof. R. E. Terry, Profs. C. H. Stocking, Dr. B. V. Christensen and Dean A. O. Mickelsen submitted the following report:

A Resolution of Appreciation of President L. D. Havenhill's services was adopted.

"The President's address contained a recommendation that the Association view with disfavor the merging of schools of pharmacy with other schools or departments, that the Chairman of the Executive Committee register vigorous protest to any and all instances of this character. We are in accord with the view that every effort should be made to prevent the loss of autonomy

and professional organization, but we foresee that cases may arise in which the merger of two or more colleges of pharmacy might be beneficial in states having too many colleges of pharmacy. Accordingly, we offer a restatement of the resolution as follows:

"WHEREAS, the merger of colleges or schools of pharmacy with other schools or colleges may result in serious loss of autonomy and professional organization,

"Resolved, that the Executive Committee consider such mergers individually and take whatever steps seem to be advisable to maintain pharmaceutical education at a proper level of professional independence."

"The president recommended that the Committee on Curriculum and Teaching Method make a study of the Syllabus to determine possible improvements and adjustments."—Approved.

"In connection with the previous recommendation the president recommended that the Committee on Curriculum and Teaching Methods be increased from five to ten members. We feel that this change would result in a more unwieldy and less effective committee."

"With further reference to the President's Address, we do not concur in the suggestion that it would be feasible to divide the four-year course into a two-year lower division of non-technical instruction, with all professional work to be crowded into the last two years."

"Dean Adolph Ziefle made four recommendations regarding the relation of the pharmaceutical curriculum to premedical training. The Committee takes the position that pharmacy should be viewed as an end in itself, as a preparation for service through pharmacy, rather than as a preliminary training for another profession.

"We therefore disapprove the four recommendations concerning steps to be taken to obtain greater recognition of pharmacy as premedical training. In reaching this decision we also had in mind the careful study made recently by the Committee to confer with the Executive Council of the Association of American Medical Colleges."

"Dean Ziefle recommended that steps be taken 'To determine whether it is feasible to offer the degree of Bachelor of Arts in Pharmacy.'"—Not approved.

"Dean Ziefle recommended that certain steps be taken 'To encourage the members of pharmacy faculties to give lectures and demonstrations in the general courses in hygiene and first aid and to offer courses of instruction in nurses' training schools.' We do not feel that it is necessary to reestablish a committee to study this question."

"We approve of the three recommendations in Dean W. F. Rudd's paper:

"'First: That we urge our member-colleges to give the teaching of public health increasing emphasis and as far as possible use city and state public health officials in our faculties.' " The latter statement was interpreted by the committee as meaning that occasional lectures be given by public health officials.

"'Second: That inasmuch as all drug commodities are primarily health concerns we go on record as urging that the manufacture, jobbing and retailing of these commodities be under the direct control of properly qualified pharmacists; and further that our action be broadcast to constituent members of all organizations represented in the National Drug Trade Conference and that we ask their support as a public health measure.'

"'Third: That inasmuch as the matter of standards of drugs, cosmetics, etc., is of primary concern in public health, and since the colleges of pharmacy are in a neutral position between manufacturers of these products and government officials who are responsible for the enforcement of proper standards that we offer our services as a sort of liaison group between the interested parties, whenever it would seem to either side that the educators can serve the cause of public health.' " The report was accepted and the recommendations adopted.

The following papers were presented:

"The Relation of a Pharmacy Curriculum to Premedical Education," by Dean Adolph Ziefle.

"The Public Health in Pharmaceutical Education," by Dean W. F. Rudd.

The resignations of the Medical College of the State of South Carolina, School of Pharmacy, and of Meharry Medical College, Department of Pharmacy, were accepted.

The following officers were elected: *President*, Dean Ernest Little, Newark, N. J.; *Vice-President*, Dean Antone O. Mickelsen, Portland, Ore.; *Secretary-Treasurer*, Zada M. Cooper, Iowa City, Iowa; *Chairman, Executive Committee*, C. B. Jordan, La Fayette, Ind.; *Members of Executive Committee*, to serve two years: Dean L. D. Havenhill, Lawrence, Kans.; A. G. DuMez, Baltimore, Md.; *Member of the Syllabus Committee*, L. W. Rising.

JOINT SESSION.

The Joint Session of the American Association of Colleges of Pharmacy and the National Association Boards of Pharmacy is reported in the report of the latter in this issue of the JOURNAL. This also contains the title of discussions and other reports made at the Joint Session.

TEACHERS' CONFERENCES.

PHARMACY, CHAIRMAN, DR. FREDERICK V. LOFGREN.

The following papers were read and discussed: "Theory of Pharmacy and Academic Standards," by W. Paul Briggs. "The Grading of Preparations Made in the Pharmacy Laboratory," by Adley B. Nichols. "The Method of Approach in Teaching the Pharmacy of New and Non-Official Remedies," by Marvin J. Andrews. "Teaching Students How to Approach the Physician," by L. Wait Rising. "Some Observations after Many Years of Teaching Pharmaceutical Mathematics," by Edward Spease.

Two papers were read by title: "A Comparison of the Four-Year Curricula in Pharmaceutical Subjects," by Dr. Burlage and one dealing with dental preparations by Dr. Richards. At Dean Beard's suggestion it was voted that two papers on the Syllabus should be presented at the next year's meeting.

Officers elected for the ensuing year were: Dr. W. G. Crockett, *Chairman*, L. W. Richards, *Vice-Chairman*, and Dean Emery T. Motley, *Secretary*.

CHEMISTRY, CHAIRMAN, DEAN HUGH E. MULDOON.

The following papers were presented and discussed: "Teaching Urinalysis to Pharmacy Students," by Antoine E. Greene; "Teaching Organic Pharmaceutical Chemistry," by Glenn L. Jenkins; "How Should Fundamental Courses in Chemistry Be Taught in a College of Pharmacy," by Ernest Little. "Teaching Organic Chemistry to Pharmacy Students," by J. R. Harrod.

Officers elected for the ensuing year were: *Chairman*, Prof. Marion L. Jacobs and Dr. John C. Bauer, *Secretary*.

PHARMACOGNOSY AND PHARMACOLOGY, CHAIRMAN, C. W. BALLARD; TEMPORARY CHAIRMAN, PROF. F. H. EBY.

The following papers were read and discussed: "Why Study Botany?" by C. C. Glover; "The Botany Course as a Foundation for Pharmacognosy," by O. P. M-Canis; "The Botany Course as a Foundation for the Pharmacognosy of Root Drugs," by B. V. Christensen; "The Botany Course as a Foundation for the Pharmacognosy of Stem and Bark Drugs," by C. C. Albers; "The Botany Course as a Foundation for the Pharmacognosy of Leaf Drugs," by H. W. Youngken; "The Botany Course as a Foundation for the Pharmacognosy of Fruit Drugs," by J. Hampton Hoch; "The Botany Course as a Foundation for the Pharmacognosy of Seed Drugs," by F. J. Bacon; "The Botany Course as a Foundation for Pharmacognosy," by George W. Fiero; "The Value of Habitats in the Study of Pharmacognosy," by E. H. Wirth.

It was voted that the conference should draft an outline on the subject of botany and suggest the minimum number of hours which should be given on that subject in the pharmaceutical curriculum. The Conference adopted a resolution requesting the Executive Committee of the Association to recommend the appointment of a committee to study the conditions surrounding the study of botany.

Officers elected for the ensuing year were: *Chairman*, Prof. A. John Schwarz; *Secretary*, Dean Charles E. F. Mollett.

ECONOMICS.

Owing to the illness and death of Prof. Amrhein, no program of papers had been prepared. Dr. Paul C. Olsen, *Secretary*, presided.

Wroe Alderson addressed the conference about NRA and its effect on the retail drug business. The address was followed by general discussion.

Officers elected for the ensuing year were: *Chairman*, Dr. Paul C. Olsen; *Secretary*, Dean John F. McCloskey.