

THE SECTIONS OF THE AMERICAN PHARMACEUTICAL
ASSOCIATION.ABSTRACT OF THE MINUTES OF THE SESSIONS HELD IN BUFFALO, N. Y., AUGUST
25-29, 1924.*

SCIENTIFIC SECTION.

The first session of the Scientific Section, A. Ph. A., was convened at 9:00 A.M., August 27, by Chairman J. P. Snyder. Vice-Chairman F. F. Berg presided during the reading of the Chairman's address.

CHAIRMAN'S ADDRESS.

In welcoming you to the first session of the Scientific Section it is indeed gratifying to your chairman and other officers to report the interest that has been shown in our Section during the last year. The response to our request for papers has been in excess of our anticipations and it is our firm belief that they are well up to the high standard that has been set in previous years, and we feel that each of you who attends our meeting will be able to go away fortified with information which will be of immense value in your future work.

In preparing our program for this meeting, in view of the large number of papers that have been received, your officers have thought it advisable this year to discontinue lectures from our program, in order that the meetings may be entirely devoted to papers. While, in a way, your officers regret taking this step, as many of us have oftentimes expressed our pleasure in being able to be present and listen to many instructive illustrated lectures in the past, we feel that an individual who takes the trouble to give the thought and time necessary to prepare a paper upon a scientific subject and, perhaps to make a distant trip to the convention for the expressed purpose of reading this paper should, in justice to the author, be given at least ten minutes to present his subject and have it discussed. Therefore, your officers have agreed to offer such an opportunity this year and we trust that it will meet with your approval.

REVISION OF THE BY-LAWS OF THE SCIENTIFIC SECTION.

Perhaps the work of a general nature of the greatest interest to the members of the Section is the proposed changes in the By-Laws of the Section. Early in the year your Chairman received a notice from Secretary William B. Day that the reorganization plan of the Association, which had been adopted at the Assheille meeting, made a revision of the By-Laws of our Section necessary and directed that this work be carried out.

Accordingly, a committee consisting of Drs. H. V. Arny, Paul S. Pittenger and your Chairman met in New York City last April and, after considerable discussion, drew up a revision which will later be submitted by the Secretary for your approval. Perhaps it would not be amiss at this time to call your attention to certain specific changes which we recommend as desirable.

SECTION IV—ARTICLE I.—The present By-Laws of the Section provide that the chairman, at the first meeting, appoint a committee on nominations which shall at the last meeting of the Section report two names for each office. The Committee now proposes that this be changed to one name for each office and, as heretofore, any member has the right to nominate from the floor. Under the procedure in the past the committee on nominations has usually reported one set of nominees as the first choice of the committee and another to comply with the By-Laws. This in some instances, undoubtedly, has worked an injustice, as it always records officially that certain individuals had been defeated and, perhaps, this might be the means of breaking the spirit of some young defeated candidate and act as a brake upon his future activities in the Section.

MEETINGS.

In view of our decision this year to discontinue lectures from meetings of the Section we would specifically call attention to SECTION IV, ARTICLE II, which provides for such lectures.—

* See also p. 964, October JOUR. A. PH. A.

"Special sessions may be held at the discretion of the officers for the purpose of permitting lectures which would require more time than allowed in SECTION IX, ARTICLE III. These special sessions may be held simultaneously with the regular meeting of the Section."

Again we believe that the joint meetings held last year of this Section with the Section on Practical Pharmacy served a most useful purpose and the proposed By-Laws carry a provision to make this possible at all future meetings of the Association.

IN MEMORIAM.

In passing I cannot refrain from calling to your attention the great loss which our Association and, particularly, our Section has suffered in the deaths of Prof. E. L. Patch and of Dr. J. M. Francis. Professor Patch, a former chairman of this Section, after a long and useful labor in and for Pharmacy, passed along to the great beyond. His lovable disposition endeared him to all with whom he came in contact and in his death the American Pharmaceutical Association, our Scientific Section and, in fact, all Pharmacy loses one of its best and most devoted members.

The life of Dr. John M. Francis stands to-day as an example to all young men entering the field of Pharmacy of what can be accomplished by hard and diligent work. In his younger days, Dr. Francis was handicapped by ill health and a frail constitution but, in spite of all this and by always striving to do his work just a little better than anybody had done it before, he eventually succeeded to a position which commanded the respect of all.

A friend to John Francis was more than a speaking acquaintance; friendship once having been established his greatest pleasure was to go out of the way to do some kindly act to further cement this friendship.

From his vast knowledge of things pharmaceutical he gave freely and unstintingly. He was a leader in the fullest sense of the word and as such his untimely death leaves a position hard to fill, and as a dear sacrificing friend he will long be remembered.

RECOMMENDATIONS.

Specifically, I would make the following recommendations:

First. That the incoming officers of the Section give special attention to compiling a list of the names of those who are active in our Section. The present list is far from complete and the names of those who desire to be considered as members of this Section should be recorded, as provided for in the By-Laws.

Second. That the records of the Secretary be preserved and passed along to the incoming Secretary so that the incoming officers have the benefit of past experience and recommendations.

Third. That each year the incoming Chairman and Secretary be provided with complete copy of the By-Laws of the Section together with any amendments that may be hereafter made and which will serve them as a guide in outlining their program for the year.

Fourth. I would recommend that each member of this Section take an active part in the Research Conference and promptly forward to the Secretary of the Conference a report of any research that has been completed, contemplated or is being carried on. By so doing they will tend to lighten the work of the officers of the Conference and at the same time assure future generations a record of their work.

In closing I wish to personally extend the thanks of the officers of the Section to those of you who have contributed papers this year; to them, particularly, belongs any credit which may be given for a successful meeting. To the officers of the Section and to our President, Dr. H. V. Army, I extend my thanks for help and coöperation during the year; particularly, to Dr. Paul S. Pittenger, our secretary, for his untiring efforts in attending to detail which goes a long way toward making a successful meeting.

Heber W. Youngken moved, Robert J. Ruth seconded the motion, that the address be referred to a committee of three members.—Carried.

Acting Chairman F. F. Berg appointed Messrs. Robert J. Ruth, E. F. Kelly and A. G. DuMez.

Secretary Paul S. Pittenger made a verbal report of some of his activities during the year—250 personal letters for papers had been sent out; letters were sent to pharmaceutical publications to publish the appeal, and with splendid results; a follow-up letter was mailed to those who had

not responded; the Secretary has added to the list of prospects for papers and the enlarged list will be given over to his successor; 38 papers were received.

Chairman J. P. Snyder appointed Messrs. F. E. Bibbins and Hermann Engelhardt as a Committee on Nominations.

Consideration of By-Laws was next in order. These were read by Secretary Pittenger, article by article, and acted upon as read; at the conclusion of the discussion, F. W. Nitardy moved that the By-Laws, as amended, be approved as a whole; motion seconded by Robert J. Ruth.—Carried.

Discussion on the By-Laws was participated in by Messrs. Vichoever, Ruth, Nitardy, Scoville, Snyder, Pittenger, Clark and others. The By-Laws as amended and adopted by unanimous vote follow:

BY-LAWS OF THE SCIENTIFIC SECTION OF THE AMERICAN PHARMACEUTICAL ASSOCIATION.

SECTION I.

Name.

ARTICLE I. This organization shall be known as the Scientific Section of the American Pharmaceutical Association.

SECTION II.

Membership.

ARTICLE I. All members of the American Pharmaceutical Association in good standing, who express a desire to do so, by registering their names with the Secretary of the Section, shall become members of the Section.

SECTION III.

Officers.

ARTICLE I. The officers of the Section shall be a Chairman, a First Vice-Chairman, a Second Vice-Chairman, a Secretary, and a Delegate to the House of Delegates, selected from members of the Section.

SECTION IV.

Election of Officers.

ARTICLE I. The Chairman of the Section shall at the first session appoint a committee of three, who shall report to the Section at the last session one name for each office, selected from the members of this Section; in addition, any member has the privilege of making further nominations from the floor of the meeting. At the final session of the Section all names placed in nomination shall be balloted upon. The one receiving a majority for that particular office shall be declared elected. These shall then be installed and shall hold office for one year or until their successors are duly elected.

ARTICLE II. Officers may be reelected, but with the exception of the Secretary shall not hold the same office for more than two consecutive years.

ARTICLE III. The Council of the Association shall fill any vacancies that may occur among the officers.

SECTION V.

Duties of Officers.

Chairman and Vice-Chairman.

ARTICLE I. It shall be the duty of the Chairman to preside at all meetings of the Section, appoint all committees of the Section and fill any vacancies when occurring in these committees. He may present an annual address on any subject of interest to the Section that he may deem of sufficient importance.

ARTICLE II. In the absence of the Chairman, the First Vice-Chairman shall preside and exercise all the functions of the Chairman.

ARTICLE III. In the absence of the Chairman and the First Vice-Chairman the Second Vice-Chairman shall preside and exercise all the functions of the Chairman.

ARTICLE IV. In the absence of all three of these officers the Section shall elect a temporary Chairman.

Secretary.

ARTICLE V. The Secretary shall keep a record of the proceedings of the Section, and shall transmit current records to the incoming Secretary of the Section and records of permanent value to the Historian of the Association. He shall send to the members such notice as the business of the Section may require, shall transmit to the House of Delegates the names of the officers elected and the committees appointed, as well as any changes in the personnel of the committees. He shall furnish the House of Delegates a report of the sessions held at the annual meeting. The Secretary, at least two months in advance, shall write to each member of this Section, giving notice of the latest date upon which papers can be accepted for the program.

ARTICLE VI. The Secretary shall be custodian of the records and documents of the Section, and shall transmit records to the incoming secretary of the Section and records of permanent value to the Historian of the Association.

ARTICLE VII. The Secretary shall furnish the Editor of the Journal of the Association the program for inclusion in the number just preceding the annual meeting.

ARTICLE VIII. The Secretary shall at each annual meeting present a brief report to the Association of the condition within the Section.

ARTICLE IX. In case the Secretary is unable to attend the annual meeting, he shall notify the Council to that effect and the Council shall then appoint a temporary Secretary.

SECTION VI.

Meetings.

ARTICLE I. At least three sessions of the Section shall be held at each annual meeting of the Association. Additional sessions may be held at any time during the meeting when the officers of the Section may see fit, and by consent of the Council; provided, however, that these sessions shall be so arranged that they will conflict as little as possible with sessions of other Sections, and that no session be held simultaneously with the general sessions of the Association or the House of Delegates.

ARTICLE II. Special sessions may be held at the discretion of the officers for the purpose of permitting lectures which will require more time than allowed in Section IX, Article III. These special sessions may be held simultaneously with the regular meetings of this section.

ARTICLE III. Joint sessions of this Section with other Sections may be held, due arrangements having been made by the officers.

SECTION VII.

Order of Business.

ARTICLE I. The order of business at the first session shall be as follows: (1) Call to Order; (2) Chairman's Address; (3) Secretary's Report; (4) Reports of Standing Committees and Committees of the Association which report to this Section; (5) Appointment Committee on Nominations; (6) Miscellaneous Business; (7) Reading of Papers.

ARTICLE II. The time of the other sessions shall be taken up with the reading of papers, excepting as provided for in Section IV (Election of Officers) and Section X (Amendments), or to hear the reports of special committees.

ARTICLE III. Provided, however, that discussion of papers may be interrupted at any time to consider matters referred to the Section by the Association in general session or by the Council or by the House of Delegates.

ARTICLE IV. This regular order of business may be suspended at any time during a session, for that particular session, by a three-fourths vote of those present.

SECTION VIII.

Expenses.

ARTICLE I. The expense of printing, postage and stationery shall be paid from the Association treasury, but in no case to exceed \$25.00 for one year.

ARTICLE II. Appropriations for expenses other than those named here must be procured by authority of Council through the Chairman of the Section.

SECTION IX.

Papers.

ARTICLE I. Original papers on any subject of scientific interest may be accepted at the discretion of the officers of the Section.

ARTICLE II. The complete title and a brief abstract of all papers, not to exceed 250 words, must be in the hands of the Secretary in time for inclusion in the program, which is published as provided in Section V, Article VII.

ARTICLE III. Ten minutes shall be allowed for the reading of a paper. If the paper is too lengthy to be read in detail within this space of time, it shall be presented in abstract.

ARTICLE IV. The maximum time for the presentation of a paper may be reduced at any session by a majority vote of the members present.

ARTICLE V. Each speaker in the discussion of a paper shall be allowed five minutes, but the total time allowed for the discussion of any one paper shall not exceed ten minutes.

ARTICLE VI. The maximum time for the discussion of any papers may be reduced at any session by a majority vote of the members present.

ARTICLE VII. The time allowed for presenting a paper or discussion may be extended by unanimous consent of those present.

ARTICLE VIII. All papers and reports presented to the Section become the property of the Association and shall be forwarded to the Editor of the JOURNAL immediately following the annual meeting by the Secretary of the Section.

SECTION X.

Amendments.

ARTICLE I. These By-Laws may be amended at any session of any annual meeting by a two-thirds vote of those present, provided notice of such amendment is given together with the text thereof at any previous session held at that meeting. Amendments must finally be accepted by the Council as not in conflict with the Constitution and By-Laws of the Association.

SECTION XI.

Miscellaneous.

ARTICLE I. Questions not specifically covered by these By-Laws shall always be decided in accord with the Constitution and By-Laws of the Association.

A. H. Clark stated that he had been responsible for the By-Laws of the Scientific Section, they were prepared during his term of office; in his opinion, it would add materially to the successful work of the Section if someone could be induced to hold the office of Secretary for a longer period. The Secretary could, under such conditions, keep up an active file of members and an index of what line of work they are most interested in. In his opinion, a permanent Secretary would add largely to the success of the Section.

A vote of thanks was given the officers and others of the Committee who had prepared the amended By-Laws.

PAPERS.*—PHARMACOLOGY AND BIOLOGIC ASSAY.

The following papers were read and discussed. Some have been printed in this, the October and September issues of the JOURNAL.

"The Toxicity of Aspirin-Quinine Mixture," by E. A. Ruddiman and C. F. Lanwermyer.

"A Pharmacodynamic Study of Anthelmintic Properties of Two Oils Chenopodium," by A. R. Bliss.

"The Paramecial Method for the Standardization of the Digitalis Scrics," by Albert Schneider.

"Mexican Bitterbush," by Albert Schneider.

* Abstracts of discussions of articles will be printed with the papers and omitted here unless some action requires prior notation.

"A Phytopharmacological Method of Assaying Digitalis," by David I. Macht and John C. Krantz, Jr.

"The Elimination of Mercurials, with Particular Reference to Mercurosal," by L. W. Rowe.

"A Palatable Cod Liver Oil Concentrate Possessing the Curative Properties of Cod Liver" (illustrated by lantern slides), by Harry E. Dubin.

"Further Studies on Insulin and the Skin" (illustrated by lantern slides), E. F. Müller and H. B. Corbitt.

Paper No. 2. "The Standardization and Stabilization of Aconite Preparations," by Edw. E. Swanson.

"The Intraperitoneal Injection of Certain Drugs," by W. H. Zeigler.

"A Demonstration of a New Blood Pressure Instrument," by W. H. Zeigler.

A paper from the division of Biology, Botany and Pharmacy by C. J. Zufall—"The Educational Value of a Medicinal Plant Garden"—was read.

A motion to extend the time of presentation of a paper by Dr. I. M. Kolthoff was carried. The first session of the Scientific Section was then adjourned.

SECOND SESSION.

The second session of the Scientific Session was convened at 9:00 A.M., August 28, by Chairman J. P. Snyder.

Owing to the absence of several authors of papers the regular order of the program was not followed.

The first paper read and discussed was that by George D. Beal and Edward O. North on "Silico-Tungstic Acid as a Quantitative Reagent for Alkaloids." (The first part of this contribution is printed in the October JOURNAL, and the second part in this issue.—Editor.)

The next was a paper, presented in abstract, by Charles A. Herrmann, "Notes on Separation of Glycerin for Qualitative Identification."

The paper by L. R. Wagener on "Electrometric Determination of Alkaloids by Use of Quinhydrone Electrode," was presented in abstract by Charles H. Stocking.

Then followed a paper by John C. Krantz, Jr. on "The Use of the Potentiometer in the Quantitative Analysis of Alkaloidal Solutions."

Dr. I. M. Kolthoff presented his paper on "The Concentration of Silver Ion Concentration of Argentum Proteinicum;" discussion thereon will be printed following the paper, in a later issue. President H. V. Army referred to an occurrence in his earlier professional life when a student, who had not before met him (Dr. Army), expected to see a more aged professor. So he also had expected, from past correspondence and Dr. Kolthoff's work, to meet a man of more advanced years. He (Dr. Army), however, recalled his years in European universities, where special subjects or subdivisions of chemistry are given by the younger men; the head of the department presenting general chemistry. He was willing, on this occasion, to follow the example set by the latter. He spoke briefly on the progress made in science during his own time, and the spirit of research. Mr. George M. Beringer followed related lines of thought in his remarks and both congratulated the members on the opportunity of meeting and hearing Dr. Kolthoff.

President Army was glad Dr. Kolthoff had brought his own message, and was pleased that he could inform him of his election as honorary member of the American Pharmaceutical Association; the youngest among the honorary members, all of whom resided in foreign countries.

P. M. Giesy read a paper on "Silver Ion Concentration—Studies of Colloidal Silver Germicides"—the co-contributor is R. B. Smith. The former also presented a paper on "Organic Protein and Colloidal Silver Compounds."

The next numbers of the program were—"Modification of Cow's Milk for Infant Feeding," by Elizabeth Gates and Wyly M. Billings, and "On the Standardization of Blood Coagulants;" the co-author of the latter paper with Mr. Billings is Alfred T. Perkins; the papers were presented by Mr. Billings.

"Concerning the Behavior of Gastro-Intestinal Enzymes in the Presence of Certain Antiseptics," was the subject of three papers by E. V. Kyser, assisted by C. R. Whitehead, H. E. Whitmire and Paul H. Thompson, respectively, in the following divisions—Part 1, "Pepsin on Egg Albumin;" Part 2, "Pancreatin on Starch;" Part 3, "Pancreatin on Milk."

Chairman A. G. DuMez reported for the Committee on Ebert Prize (other members of the Committee—Wilbur L. Scoville and Jacob Diner) that the members *unanimously* agreed the prize this year should be awarded to Prof. H. V. Army for his work on the preparation of color standards and their application. "This work," he stated, "has been conducted over a period of years and the award is made on that basis, although the final article did not appear until last year."

The report of the Committee received general approval. The second session of the Scientific Session was then adjourned.

THIRD SESSION.

The third session of the Scientific Section¹ was called to order by Chairman J. P. Snyder at 9:00 A.M., August 29. On account of several authors not being present the order of the program was changed to permit of the reading of papers by those present; the titles follow in the sequence of their reading:

"The Permanence of Tincture of Iodine, U. S. P.," by D. M. Copley.

"Some Critical Points of Emulsification in Soap-Oil Emulsions," by F. V. Kyser and Frank C. Vilbrandt.

"Diethylphthalate III," by J. A. Handy and L. F. Hoyt.

"Notes on Pepsin Preparations," by C. C. Glover and C. G. Fuss.

"The Composition of Bismuth Salt in Glycerite of Bismuth," by C. C. Glover and T. F. Thorsberg.

"A Study of the Stability of Fluid Extracts," by Wylly M. Billings and Alfred F. Perkins.

"The Alkalinity of Magma Magnesiæ—as Determined by the Hydrogen Electrode, II; the Effect of Magnesium Carbonate, III;" by R. B. Smith and P. M. Giesy.

"The Anatomy and Botanical Position of Mire," by Heber W. Youngken.

E. V. Howell, before presenting his paper on "Cultivation of Opium Poppy in North Carolina," made reference to an exhibit of Aztec Indian drugs, by Charles Braubach; the paper had come too late for inclusion in the program.

"Silicic Acid in Its Varied Significance," by Arno Viehoever and Leon Wasserman.

"Chinese and Other Cardamoms," by Arno Viehoever and L. K. Sung.

"The Manufacture of Cod Liver Oil and Its By-Products" (illustrated with lantern), Arthur D. Holmes.

The following papers were read by title and referred for publication.

"Report on Proximate Analysis of *Euphrasia Officinalis*," by Wm. C. Melton and L. E. Sayre.

"Anthraquinone Content of Wormy Rhubarb,"² by A. A. Maier and C. W. Ballard.

"Oil of *Echinacea Angustifolia*,"³ by Fritz Bischoff and Edward Kremers.

"A Chemical Examination of the Root of *Leptotaemia Dissecta*," by Nellie Wakeman.

Chairman F. E. Bibbins reported for the Committee on Nominations as follows:

Chairman, Paul S. Pittenger; *Secretary*, F. F. Berg; *First Vice-Chairman*, John C. Krantz, Jr.; *Second Vice-Chairman*, E. V. Kyser; *Delegate to the House of Delegates*, J. P. Snyder.

Robert J. Ruth moved that the report of the Committee be received and the nominations closed; the motion was seconded and carried.

Chairman Arno Viehoever presented the report of the Committee on Quality of Medicinal Products.

The motion of Heber W. Youngken, to receive the report and approve the recommendations of the Committee, was seconded and carried.

Lyman F. Kebler stated that the late Prof. E. L. Patch was chairman of the Committee on Quality of Medicinal Products for about 10 years and, thereafter, until his death a member;

¹ September JOURNAL, p. 800. A joint session of the Scientific Section with the Section on Practical Pharmacy and Dispensing was held Aug. 28, but is reported following these minutes and preceding those of the Section on Practical Pharmacy and Dispensing; seniority would bring the Minutes of the Section on Education and Legislation next, but for apparent reasons these are transposed.—Editor.

² Printed in September JOURNAL, p. 810.

³ October JOURNAL, p. 898.

he contributed liberally to its reports and it was largely due to his energy and efforts that the Committee was continued. The speaker moved that a brief statement outlining the work of Professor Patch be included in the report of this year. The motion was seconded and carried.

The report of the Committee on the Chairman's Address was called for; First Vice-Chairman F. F. Berg assumed the Chair. Chairman Robert J. Ruth of the Committee made a verbal report, recommending the acceptance of the recommendations of Chairman J. P. Snyder. E. V. Howell seconded the recommendation.—The motion was carried.

Election of officers was proceeded with; Arno Viehoever moved that the Chairman of the Committee on Nominations cast an affirmative ballot for the nominees; the motion was seconded and carried.

The officers were duly installed and each expressed appreciation for the preferment. A vote of thanks was given retiring Chairman J. P. Snyder. The final session of the Scientific Section was then adjourned to convene at the next annual meeting of the American Pharmaceutical Association.

JOINT SESSION OF THE SCIENTIFIC SECTION AND THE SECTION ON PRACTICAL PHARMACY AND DISPENSING.

The joint session of the Scientific Section and the Section on Practical Pharmacy and Dispensing was convened by Chairman J. P. Snyder of the Scientific Section at 8:00 P.M., Thursday, August 28, who stated that the purpose of the meeting was to listen to, receive the reports on and discuss the revisions of the U. S. Pharmacopœia and National Formulary. The following report was presented:

SOME FEATURES OF THE FORTHCOMING PHARMACOPŒIA (TENTH REVISION).

BY E. FULLERTON COOK.

As the time is not far distant when the U. S. Pharmacopœia, Tenth Revision, is expected to make its appearance, it is fitting that a review of its salient features should be placed before this Association, which has always contributed so largely to its development and success.

The Chairman of the Committee of Revision has recently completed a review of much of the Pharmacopœial literature of the past century and is impressed anew by the immense amount of labor and the untiring and unselfish service entering into the creation of our present National standard for medicines. The Tenth Revision has been built upon the visions and ideals of a group of physicians and pharmacists whose names must not be forgotten. The book to-day stands as an enduring monument to the memory of Dr. Lyman Spalding, Dr. Franklin Bache, Dr. George B. Wood, Dr. Joseph Carson, Dr. Robert Bridges, Alfred B. Taylor, William Procter, Jr., George D. Goggeshall, Dr. E. R. Squibb, C. Lewis Diehl, William H. Thompson, Frederick B. Power, Albert B. Prescott, Joseph P. Remington, Charles Rice, John M. Maisch, Dr. Horatio C. Wood, Louis Dohme, S. A. D. Sheppard, Frederick Hoffmann, P. W. Bedford, George F. H. Markoe, Charles Caspari, Jr., Oscar Oldberg and hundreds of others who properly share the credit due from our generation.

The Pharmacopœia was started by physicians, but they early acknowledged the necessity of securing the coöperation of their pharmaceutical associates and in fact at one period pharmaceutical interests largely dominated the revision.

In the Tenth Revision this former condition has been adjusted by placing responsibility for the scope upon the 21 physicians of the Committee. They also decided doses and all therapeutic questions, so that the physicians are contributing a constructive and fundamentally important part of the revision. In many other divisions such as nomenclature, biological products and in bio-assays they are also taking an active part in the revision. More than in any previous revisions the work is being divided among specialists and each group held responsible for the decisions in its division and the several sub-committees have been strengthened by the election of sixty or more experts, serving as auxiliary members to the sub-committees.

Throughout the current revision the General Committee has been asked to vote only on general questions. All reports and discussions are placed before the General Committee and members are invited to comment freely on every proposition, and their comments are published in the Circulars, but the final decision on technical questions has remained with the groups of ex-