

RECEIVED

7

1

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF THE BUREAU MEETING

held in London  
in the premises of the Royal Society  
on 10th and 11th April, 1958

\* \*

\*

INDEX

<u>Minute</u>	<u>Subject</u>	<u>Page</u>
1	Agenda	2
2	Reports of the Section Presidents	2
3	Letter of Dr. Wichers regarding the designation of non-titular members and comments of Prof. Letort	5
4	Proposal regarding "Rules for the activity and the creation of new Commissions" established by Prof. W. Kuhn and Dr. Morf	7
5	Discussion on the topics of the XVIIth Congress - Short discussion on the agenda of the Co-ordinating IUB-IUPAC which will meet in Vienna in September - Participation of Biochemistry in the XVIIth Congress	7
6	Agenda of the XXth Conference	7
7	Geographical distribution of titular members	8
8	Discussion on the plans regarding future Congresses	8
9	Report of Dr. H. W. Thompson, President of the IUPAC Publication Committee, on the activity of this Committee and on the wishes it expressed with regard to Section Presidents	9
10	Remarks by Professor Urbanski	10
11	Remarks by the Secretary General	11
12	Remarks by Professor Lora-Tamayo	11
13	Vote of thanks	11
14	Next meeting	11

Appendixes

- A "Rules for Commissions"
- B Agenda of the XXth Conference

\* \*

\*

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF THE BUREAU MEETING

held in London  
in the premises of the Royal Society  
on 10th and 11th April, 1958

\*                      \*  
\*

( This is the first Bureau meeting which is not held in conjunction with a general Conference. It was only for financial reasons that the Bureau could not meet earlier and more frequently, considering that a meeting of the Bureau costs some \$ 10 000).

Present:                      Professor A. Stoll, President  
                                Prof. R. Belcher - Prof. G. Chaudron - Prof. R. Delaby -  
                                Sir E. Charles Dodds - Prof. B.A. Kasanski -  
                                Prof. W. Klemm - Prof. H. Kruyt - Prof. W. Kuhn -  
                                Prof. M. Lora-Tamayo - Prof. J.M. Luck -  
                                Sir Harry Melville - Prof. S. Mizushima - Dr. R. Morf  
                                Prof. A. Nasini - Prof. W.A. Noyes, Jr. -  
                                Prof. T. Urbanski - Prof. P.E. Verkade - Dr. E. Wichers

Especially invited:      Prof. M. Letort - Dr. H.W. Thompson -  
                                Dr. J.H. Bushill (as substitute for Doyen Fabre)

Apologized:                Prof. A. Tiseliüs - Doyen R. Fabre

Absent:                     Dr. C.E. Nabuco de Araujo, Jr.

\*                      \*  
\*

M i n u t e 1

AGENDA

The agenda previously approved reads as follows:

1. Introductory remarks by the President of the Union
2. Reports of the Section Presidents
3. Letter of Dr. Wichers regarding the designation of non-titular members and comments of Prof. Letort
4. Proposal regarding "Rules for the activity and the creation of new Commissions" established by Prof. W. Kuhn and Dr. Morf
5. Discussion on the topics of the XVIIth Congress
  - Short discussion on the agenda of the Co-ordinating Committee IUB-IUPAC which will meet in Vienna in September
  - Participation of Biochemistry in the XVIIth Congress
6. Agenda of the XXth Conference
7. Geographical distribution of titular members
8. Discussion on the plans regarding future Congresses
9. Report of Dr. H. W. Thompson, President of the IUPAC Publication Committee, on the activity of this Committee and on the wishes it expressed with regard to the Section Presidents
10. Any other business

M i n u t e 2

REPORTS OF THE SECTION PRESIDENTS

Prof. W. Kuhn, President of the Physical Chemistry Section

- a) Following the Paris Conference, a symposium which proved to be a great success was organised in Prague from 9th-14th September, 1957, by the Commission on Macromolecules.
- b) The results of the symposium organised by the Commission on Physical Chemical Data and Standards in Amsterdam from 24th-26th April, 1957, have been published (Analytica Chimica Acta and Elsevier).
- c) We have received several draft recommendations from the International Organisation of Standardisation (ISO) which were transmitted to the Commissions concerned for study and comments. For the time being, it has to be pointed out that the recommendation of ISO in favour of the adoption of the MKSA system (metre-kilo-second-ampère) as sole system of basic units is most likely to give rise to discussions between the chemists and the physicists.

The Bureau therefore

Resolved: that all Section Presidents and Presidents of Commissions of the Physical Chemistry Section should be informed of this problem in order that the clearest possible picture can be obtained of the various opinions. Moreover, IUPAC should get into touch with ICSU, with the International Union of Physics and with the Bureau international des Poids et Mesures in Sèvres.

(Prof. W.A. Noyes reported that the situation is even more complicated as a third system is used by the Chemical Engineers).

Dr. E. Wichers, President of the Inorganic Chemistry Section

Dr. Wichers reported that a unification of the physical and chemical scales of atomic weights is likely to be achieved soon. If the pure isotope  $^{12}\text{C}$  is considered as the basis of a unified scale of atomic weights, this choice will have the advantage of simplifying the determination of atomic weights by means of mass spectroscopy. Moreover, in organic chemistry a scale based on the isotope  $^{12}\text{C}$  will provide a valuable reference considering that a great number of molecules can be built up on this isotope. This choice would further involve minor modifications only of the physical and chemical scales of atomic weights.

Noted, with satisfaction.

Prof. P.E. Verkade, President of the Organic Chemistry Section

He stated that the final Nomenclature Rules, having received the last corrections and being approved, will be published shortly. The Dyson system of International Chemical Notation was approved in its provisional shape and printed by Longmans Green in a bound volume which can be put up for sale as soon as the contract will be signed between the above Publishing House and the authorities of the Union.

The tentative Nomenclature Rules for the Vitamin B  $_{12}$  group and the final Rules for the Steroid Nomenclature are now also ready for printing. However, they still have to be circulated among the member countries and research institutes in order that the Council may approve them at the XXth Conference in 1959.

The Symposium on Therapeutics to be organised by our Italian colleagues in Gardone in 1958 cannot take place. The Organic Chemistry Section requested that the subvention granted for 1958 be carried forward to the next year in order that the above symposium may be held in Italy in spring 1959.

A symposium in memory of Kékulé will be arranged in London from 15th-17th September, 1958, by the Chemical Society which is sparing no effort in order to make this meeting a very successful one.

Australia has expressed the wish to organise a symposium on organic chemistry covering the general topic of "The Chemistry of Natural Products" during 1960 probably (see Minutes of the Executive Committee).

Prof. J.M. Luck, President of the Biological Chemistry Section

The Biological Chemistry Section and with it the whole Union are deploring the sudden death of Professor C. Fromageot who passed away last January. This distinguished scientist has rendered great services to Biology and to our Union as Secretary of the Biological Chemistry Section.

The necessity arose to appoint Dr. B. Riegel Vice-President of the Nomenclature Commission. Dr. Riegel kindly agreed to accept this task and to take over the whole work of this Commission.

Four new national representatives have been appointed to the Commission on Clinical Chemistry:

Prof. J.E. Courtois, Paris  
Dr. W.S. Bauld, Montreal

Prof. Dr. K. Hinsberg, Dusseldorf  
Dr. M.C. Sanz, Geneva

Dr. R. Belcher, President of the Analytical Chemistry Section

He reported that a new programme has been drawn up for the future activities of the Nomenclature Commission. He also called the attention of the members to the International Symposium on Microchemistry which will be held in Birmingham from 20-27th August, 1958, and which promises to be a great success. Three Commissions of the Analytical Chemistry Section will also benefit by this manifestation by meeting in Birmingham in August.

Dr. J.H. Bushill, Secretary of the Applied Chemistry Section  
(who attended the meeting as substitute for Doyen Fabre apologized)

\* He reported that the Fermentation Division held a meeting in Paris on 4th November, 1957, and that another meeting will take place in early May. Through the medium of the Applied Chemistry Section, the Fermentation Industries Division proposed 8 new members so that the total number of titular members of this Division - the two Subdivisions included - would be increased to 15. In view of the Statutes stipulating that the total number of titular members of a Commission or Division must not exceed ten, the Bureau

Resolved: that the Applied Chemistry Section be requested to reduce the number of titular members of the Fermentation Division - the 2 Subdivisions included - to a maximum of 10. The Applied Chemistry Section to act.

The following members have been proposed by the Division and the Section, but in view of the Statutes mentioned above approval cannot be given by the Executive Committee:

Commission A - Determination of Fusel Oils

E.V. BELL, Dr., The Distillers Company Ltd, Great Burgh, Epsom, Surrey, GB  
B. DREWS, Prof., Versuchs- und Lehranstalt für Brauerei, Seestrassse 13,  
Berlin N 65, Germany  
C. TARANTOLA, Dr., Torino, Italy

Commission B - Methods of Characterising and Evaluating Dried Yeasts

W.F.C. CUTHNERTSON, Dr, Glaxo Laboratories Ltd, Greenford, Mx., GB  
G. BUTSCHEK, Dr.-Ing., Mannheim-Waldhof, Oppauerstrasse 134, Germany  
P. BIROLAUD, Dr., Syndicat des Producteurs de Levure - Aliment de France,  
2, rue de l'Oratoire, Paris 1er, France  
J.M. KLOKGIETERS, Yeast Products Department, Koninklijke Nederlandsche  
Gisten Spiritusfabriek N.V., Delft, Netherlands  
R.F. LIGHT, Standard Brands, Inc., 595 Madison Avenue, New York, USA

Mr. J. Leonard, President of the ad hoc Committee to consider whether a Chemical Engineering Division should be formed, proposed the following members who will soon hold their first meeting in London:

M.B. DONALD, Prof., Chemical Engineering Department, University College,  
Gower Street, London W.C.1, GB  
M.E.J. CATHALA, Prof., Institut du Génie chimique, 17 rue Ste Catherine,  
Toulouse, France  
K. WINNACKER, Prof., Farbwerke Hoechst A.G., Frankfurt /M., Germany  
J.C. VLUGTER, Dr., Koninklijke Shell Laboratorium, Badhuisweg, Amsterdam N,  
Netherlands  
P. GIUSTINIANI, Dr., Società Montecatini, Via F. Turati, Milan, Italy

\* The English version being not quite identical with the French text should be considered authoritative

Sir Eric Rideal was requested to examine the desirability of forming a Surface Activants Division. Dr. F.D. Snell was proposed as one of the members of this Division.

Professors Kuhn, Letort and Nasini called the attention of all Bureau members to the fact that the scientific side of the surface activants problem should not be neglected and that it would be advisable to get into touch with the members of the Physical Chemistry Section.

Dr. Bushill stated once more that, considering the increasing number of Divisions within this Section and in view of its By-laws stipulating that every Division President has to be a member of the Section Committee, the latter already now has more than 10 members. The question arises whether the Union will be in a position to subsidize all these members.

This question will be dealt with on the occasion of the discussions and the resolution to be taken in respect of the budget.

#### International Bureau for Agricultural Chemical Methods

Reference was made to a letter from Prof. Dr. L. Schmitt of Darmstadt addressed to Prof. Lundin ( President of the Fermentation Division Committee) and containing a proposal for the establishment of the above mentioned Bureau. The suggestion was made that the objects of the Bureau coincided closely with much of what the Applied Chemistry Section endeavours to do. As the letter addressed to Prof. Lundin mainly deals with analysis, the IUPAC Bureau recommended that the matter should be passed to the Analytical Chemistry Section for consideration.

#### M i n u t e 3

#### DESIGNATION OF NON-TITULAR MEMBERS (LETTER OF DR. WICHERS AND COMMENTS OF PROF. LETORT)

Prof. Letort was especially invited to attend the meeting of the Bureau in order to be able to give his advice and any information in connection with his comments.

The Section Presidents themselves had the opportunity of discussing this item on the occasion of their meeting on the previous day.

The text drafted by Prof. Letort met with the unanimous approval of the Bureau. (Owing to the limitation of the number of titular members to ten - for financial reasons - it frequently happens that a working committee needs the competence and the collaboration of specialists who, once the maximum of ten is reached, cannot be appointed titular members). It was clearly pointed out that, as in the past, there should be two different kinds of non-titular members. According to the method of appointment there would be:

- a) Associate non-titular members (abbreviated: associate members), appointed by the Section, Division or Commission, respectively.

They shall be authorities in their field and shall be appointed either for a fixed period or a particularly defined task. Associate members may later be appointed titular members if vacancies on the Commissions occur.

- b) Delegate members or national representatives. The Union is the representation of the National Committees of the adhering countries. It is therefore natural that the various National Committees should have the possibility and the wish directly to be informed on what is going on in the Committees and in the Sections. This particularly applies to member countries which are not regularly represented by titular members, as well as to specialized organisations, such as Bureau of Standards, etc.

The necessity may arise for National Committees or specialized organisations, such as Bureau des Poids et Mesures etc., to delegate one or more experts or observers to the Sections and Commissions, either permanently or for a special meeting only.

The Bureau unanimously

Resolved:

- (i) that two different categories of non-titular members be defined, i. e.
1. Associate members appointed either by the Bureau, the Section and/or the Divisions and Commissions. Associate members must be experts in their field. They are nominated for a well-defined period and/or for a clearly circumscribed task only. Associate members may become titular members if a vacancy occurs in the Commission or in the Division.
  2. Delegate members or national representatives appointed by the National Committees of the adhering countries, or by specialized national or international organisations, such as Bureau des Poids et Mesures, National Bureau of Standards, etc. Delegate members or national representatives have to be experts in their field. They are nominated for a limited period and/or for a special task only.
  3. Associate members and delegate members or national representatives have to be approved by the Bureau.
- (ii) that these directives be not incorporated in the Statutes, but that they be considered as guidance.

Suggestion to amend rule 13 of the By-laws

Rule 13 of the Union's By-laws which reads as follows:

"National representatives and observers shall have the right to present to the Bureau of the Union observations or justified objections on the subject of the decisions taken by a Commission with the work of which they have been associated in a consultative capacity"

has given rise to a long discussion and it was stated that this rule was not necessary. The right to complain about the work of the Commissions should not be mentioned expressis verbis. However, the right authorizing every titular member and every member of the Council to place a question on the agenda is guaranteed.

Yet, considering that rule 13 has never been applied in the past, it seems that this question is not very urgent.

Minute 4

PROPOSAL REGARDING "RULES FOR THE ACTIVITY AND THE CREATION OF NEW COMMISSIONS" ESTABLISHED BY PROF. W. KUHN AND DR. MORF

At their meeting on the eve of the Bureau meeting, the Section Presidents had discussed and studied the above draft directives very carefully and the Bureau unanimously

Resolved: that the above directives be approved, subject to a few minor modifications of the wording, but that they be not, for the time being, incorporated in the Statutes or in the By-laws (see Appendix A).

Minute 5

DISCUSSION ON THE TOPICS OF THE XVIIIth CONGRESS

One of the most important questions is that of the Union's future activities. The Section Presidents carefully examined this problem at their meeting prior to the Bureau meeting.

Prof. W. Klemm, member of the Executive Committee and of the German Organising Committee, called the attention of the members once more to the fact that, in compliance with several wishes expressed at the Paris Conference, a distinct separation in time will be made between the Conference and the Congress. The programme of the Congress will include 8 main lectures, 6 of which will cover the field of inorganic chemistry. One main lecture will deal with a topic of applied chemistry, whereas an opening lecture will introduce the Symposia of the Biological Chemistry Section. The programme of the Inorganic Chemistry Section has been approved by the Section Committee.

Symposia

As regards biochemistry, the following two topics have been proposed to our German colleagues: "Natural Pigments and their Biogenesis" and "Structure, Biogenesis and Syntheses of Oligo-Peptides".

As to applied chemistry, the following three symposia have been proposed: "Treatment and better Utilisation of Waste Material (Biological and Industrial)" - "Pesticides; Resistance by different Organisms; the Determination of Residues of Pesticides and their Toxicology", and "Possible Reactions under extreme Conditions as to Pressure, Temperature and Radiation". (This latter subject has been proposed by the Organising Committee of the Congress).

Minute 6

AGENDA OF THE XXth CONFERENCE

The provisional agenda of the XXth Conference was circulated among the Bureau members who are kindly requested to submit their comments and proposals by 1st April, 1959, at the latest, as the definitive agenda will have to be sent out 4 months before the next Conference, in compliance with paragraph 9, art. 8 of Chapter I of the Statutes (see Appendix B).

Minute 7

GEOGRAPHICAL DISTRIBUTION OF TITULAR MEMBERS

The question of realizing a more adequate geographical distribution of titular members - a problem which has always been on the agenda of the Executive Committee - should be resolved in due time. The Union's By-laws clearly define the terms of reference of titular members, with the understanding that the competence and the unrestricted autonomy of the Sections and of all Divisions and Commissions must be safeguarded.

It is essential that member countries which regularly pay their subscription and which, in the past, have not been adequately represented within IUPAC should in future have all facilities to take a more active part in the work of the Union.

However, considering that it is extremely difficult to find experts who are willing to sacrifice their time to study the problems of an international Union, the Bureau unanimously

Resolved: that the unrestricted autonomy of the Sections and Commissions be in no way diminished. The geographical distribution of titular members will be sufficiently respected by arranging elections in the Section Committees and in the Bureau.

Minute 8

DISCUSSION ON THE PLANS REGARDING THE TOPICS FOR FUTURE CONGRESSES

Some time before the Bureau meeting, the Secretary General had circulated among the members two provisionally and arbitrarily designed charts as a programme for future Congresses, Symposia and meetings of the various Sections and branches of chemistry, making allowance for the requirements of other Unions which are in more or less close connection with pure and applied chemistry.

Such a study is essential and we can no longer afford to leave the choice entirely to the inviting countries as was the case until 1951, up to which year only general Congresses were held which were not limited to one particular subject. There was therefore no need to set up a programme for the rotation of subjects of future Congresses.

In view of the decision to limit the subjects of each Congress to 1 or 2 specialized branches, it is evident that we have to draw up, well in advance, a programme indicating the sequence and the rotation of topics of future Congresses.

Such a programme is all the more necessary as we have to consider that other Unions also organise Congresses subventioned and attended by the industries of pure and applied chemistry (IUB-IUPS-IUBS). The management of big chemical works concerned with the financing of Congresses would be highly disturbed if several Congresses on chemistry, biochemistry, physiological sciences and biological sciences followed one after the other without previous planning.

The above charts are only a first draft which may still be modified and improved. The Bureau and especially the Section Presidents are earnestly requested to suggest proposals and corrections.

Resolution taken by the Section Presidents.

Moreover, the following resolution was taken by the Section Presidents at their meeting prior to the Bureau meeting:

"Before an invitation to hold a Congress is accepted, it must be established that the proposed programme is in reasonable conformity with the schedule of Congresses previously established by the Council.

The Section Presidents recommend to the Bureau that, in the organisation of future congresses of the Union, local committees responsible for organisation of the programmes seek direction as to the content of the programme from the Bureau of the Union or from such body as may be delegated for this purpose by the Bureau.

Especially in the case of the Munich Congress, the Section Presidents respectfully recommend that the local committee be guided in organisation of the biochemical programme by the recommendations of the co-ordinating committee (IUB-IUPAC).

This proposal originates from the understanding, reached within the co-ordinating committee, that in the organisation of the international congresses in biochemistry (IUB) and the biochemical programmes of IUPAC, the co-ordinating committee, representing, as it does, both bodies, shall make every effort to organise programmes which shall be in the best interests of biochemistry and of the two international Unions involved."

This resolution was unanimously approved by the Bureau and will be examined later.

M i n u t e 9

REPORT OF DR. H.W. THOMPSON, PRESIDENT OF THE IUPAC PUBLICATION COMMITTEE, ON THE ACTIVITY OF THIS COMMITTEE AND ON THE WISHES IT EXPRESSED WITH REGARD TO SECTION PRESIDENTS

Although the thorny question of the Union's publications was repeatedly treated in the Minutes and in the Information Bulletins, it is necessary thoroughly to re-examine this problem as it involves the international prestige of the Union.

Dr. H.W. Thompson, President of the Publication Committee, has made every effort in order to bring this question to a successful issue. He presented a report on the result of his activities.

The Publication Committee already met twice and the Minutes of these meetings were published in the Information Bulletin. The Publication Committee is governed by the following two principles:

- 1) The Union's publications have to be irreproachable in quality, worthy of the Union's reputation, and ensuring a world-wide dissemination.
- 2) The expenses incurred by the Union in respect of publications have to be kept as low as possible. Publications have to be sold at a moderate price in order that they be accessible to all scientists and research institutes.

Taking into account that most of the Union's publications will be published in English and that printing costs will largely be effected in hard currency countries, the Publication Committee decided at its first meeting that the Union's publications should be entrusted to an English Publishing House. However, the Committee

had consulted with half a dozen other Publishing Houses well-known in the field of scientific publications and in chemistry.

The Committee therefore went once more through the whole publication problem with a number of Publishing Houses, particularly with regard to cost and speed of printing, international reputation and distribution. After a careful scrutiny the Committee decided to recommend that an agreement be signed with Butterworths Scientific Publications Ltd. in the first instance for two years.

A draft agreement which can still be modified was distributed to the members of the Bureau and Dr. Thompson clearly exposed the advantages and the shortcomings of this project. He suggested that the Union should make a trial for two years only.

Prof. Kruyt was of the opinion that the reputation and the goodwill of the Union are more valuable than the contemplated agreement and he thought that the Union pays too high for the services and the advantages offered.

Prof. Noyes wondered whether the Union's interests would thus really be safeguarded. However, he was of the opinion that it is worth while to spend a few thousand dollars for a valuable trial opening for the first time a perspective of a more efficacious dissemination (until now, no editor had been willing to take the risk of dealing with the Union's publications).

The Nomenclature Reports will be published by the Journal of the American Chemical Society (16.500 subscribers), and the Journal of the British Chemical Society (5.000 subscribers), whereas Dr. Crane will need some 10.000 separate reprints. This implies an automatic distribution of a considerable number of copies.

On the assumption that this new manner of proceeding in respect of the Union's publications will be favourable to the credit of the Union and enhance its reputation and although we shall have to pay for it, the Bureau -

Recommended that the Executive Committee should establish an appropriate agreement taking into account the benefit which the name of the Union will bring to the Publishing House.

#### M i n u t e 10

Prof. Urbanski opened the discussion by expressing Poland's great satisfaction at being represented in the Bureau of the Union. He spoke on behalf of the small nations and thanked the Bureau for its efforts to realize a more adequate geographical distribution of titular members.

He also raised the difficult problem of little known languages, such as Polish, Portuguese and Roumanian. As a matter of fact, these countries have to go to great expense for the translation of the Nomenclature Reports, on the one hand, while, on the other hand, they run the risk that the scientific works published in their language will not have a wide enough dissemination.

Prof. Urbanski finally extended a cordial invitation to all scientists to attend the Congress which will be held in Warsaw in June 1959 on the occasion of the 40th anniversary of the Polish Chemical Society. Poland would be very pleased if the Union would extend its patronage to the said Congress.

M i n u t e 11

The Secretary General requested all Section Presidents to submit to him their budget estimates for 1959 by 15th August at the latest, in order that the Executive Committee may discuss this point at its 40th meeting in Washington.

M i n u t e 12

Prof. Lora-Tamayo informed the members that Spain would like to organise a Congress for organic chemistry at a date which suits the Union, and to invite the Bureau for one of its next meetings.

This invitation was accepted with acclamation. However, a meeting of the Bureau in Spain can take place in two years at the earliest, i.e. in 1960.

M i n u t e 13

VOTE OF THANKS

The President proposed to write to the Royal Society, to the Chemical Society, and to the Imperial Chemical Industries Ltd., in order to thank them on behalf of all Bureau members for their charming hospitality.

He also thanked the members of the Bureau, and especially our Past President Professor Kruyt, for their active collaboration.

M i n u t e 14

NEXT MEETING

The next meeting of the Bureau is scheduled for Munich, 25th August 1959, 3.00 p.m.

French version  
sgd. by

Prof. A. STOLL  
President



Dr. R. MORF  
Secretary General

Basle, 19th June, 1958

Rules for Commissions.

Following a decision taken during the last Executive Committee meeting in Paris, on 25th July, 1957, I have the honour of submitting herewith a first draft of directives, elaborated in collaboration with Prof. Kuhn, for the formulation of terms of reference to be valid for existing Commissions, as well as some guidance for the creation of possible new Commissions.

Owing to financial claims which could not be met, occurring in some instances to the Union from the highly qualified and laborious treatment of scientific subjects by some of the Union's Commissions, a clear circumscription of the tasks to be accomplished by the Commissions became imperative.

- I. Commissions are appointed with the object of dealing with such problems of chemistry as need an agreement on an international scale: symbols, terminology, units, abbreviations, and representation of data.
- II. The terms of reference of a Commission should be drafted so as to leave no doubt on the exact scope of the circumscribed task, and subsequently agreed by the Council.
- III. Any alteration or amplification of the terms of reference of an existing Commission, including the creation of Sub-Commissions, is subject to agreement by the Council.
- IV. Subjects requiring the relegation of experimental research to scientists - although most propitious to the advancement of science- are not usually within the scope of the Union.
- V. The compilation of data should not be encouraged unless the possibility for publication on a commercial or other basis is ascertained.
- VI. All Sections, Divisions and Commissions who may wish to submit reports for publication should give notice of their projects so that they may be considered in relation to the broad situation of the Union's publications.

Consultations on these projects should be carried out before detailed work is begun.

Procedure to be followed for the creation of new Commissions

Whenever the creation of a new Commission seems necessary, the Section Committee and the Executive Committee must apply to the Bureau for the appointment of an ad hoc Committee of three members which should meet twice and then report back to the Bureau. This report, if favourable to the creation of a new Commission, should contain an intimation as to its duration. If the problem may be solved within a limited time, the existence of the Commission has to be restricted accordingly.

Provisional agenda for the meetings of the Bureau and the Council - Munich 1959

1. Statutory report of the President on the general state of the Union
2. Adoption of the Comptes Rendus of the XIXth Conference
3. Biennial report of the Honorary Treasurer
4. Budget for 1960-61
5. Approval and ratification of the decisions taken by the Executive Committee since the last Conference (Paris 1957)
6. Adoption of the Section Presidents' reports, written in French and in English and previously submitted to the Bureau and the Council
7. Final adoption of the tentative Rules of Nomenclature and their publication
8. Election of the new Executive Committee, of the new Bureau and of the new titular members
9. Member countries:
  - a) Adoption of new members, if any
  - b) Ratification of the admission of Canada and Japan as members under category A
10. Meetings scheduled for 1960-61, date and place of the XXIth Conference and of the XVIIIth Congress
11. Discussion and approval of the new By-laws of the Applied Chemistry Section
12. Programme and topics of future Congresses
13. Any other business