

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF XXIIIrd MEETING OF BUREAU

HELD AT SAVOIA GRAND HOTEL, CORTINA D'AMPEZZO

ON

FRIDAY, 4th JULY, 1969, at 9.00

PRESENT:

Prof. V.N. Kondratiev	-	President, in the Chair
Dr. A.L.G. Rees	-	Vice-President
Prof. W. Klemm	-	Past-President
Dr. R. Morf	-	Secretary General
Prof. J.C. Bailar, Jr.	-	Treasurer
Prof. V. Deulofeu)	
Prof. D. Ginsburg)	
Dr. C.O. Gabrielson)	
Dr. T.R. Govindachari)	
Prof. H. Malissa)	Elected Members
Prof. L. Marion)	
Prof. G. Sartori)	
Prof. S. Shibata)	
Sir Harold Thompson)	
Prof. O. Wichterle)	
Prof. R. Truhaut	-	Ex-officio Member
Sir Harry Melville)	
Prof. J. Bénard)	
Prof. P.D. Bartlett)	Division Presidents
Prof. O. Wichterle)	
Prof. P.W. West)	
Dr. W. Gallay	-)	

ABSENT:

Prof. J. Lecomte)	
Prof. F. Weygand)	Elected Members

IN ATTENDANCE:

Mr. P.M. Arnold	- Chairman of Finance Committee (in part)
Prof. F.D. Rossini	- ICSU Committee on Data for Science and Technology (in part)
Prof. J.Th.G. Overbeek	- Commission on Colloid and Surface Chemistry
Dr. B. Riegel	- Machine Documentation in the Chemical Field (in part)
Dr. C.W. Beckett	- Ad-Hoc Committee on Plasma Chemistry (in part)
Prof. H. Kienitz	- Physical Property Task Group (in part)
Prof. K.A. Jensen	- Commission on Nomenclature of Inorganic Chemistry (in part)
Prof. E. Campaigne	- Ad-Hoc Committee on Medicinal Chemistry (in part)
Dr. G. Widmark	- ICSU Ad-Hoc Committee on Problems of Human Environment (in part)
Prof. O. Hoffmann-Ostenhof) Joint Commission on Biochemical Nomenclature
Prof. W. Klyne) (in part)
Prof. D.H.R. Barton	- President-Elect of Organic Chemistry Division
Dr. M. Williams	- Executive Secretary
Mr. R.J.M. Ratcliffe	- Assistant Secretary

A G E N D A

1. Finalization of Agenda
2. Minutes of XXIIInd Bureau Meeting and Matters Arising
3. Minutes of LXI, LXII, LXIII and LXIVth Executive Committee, Finance Committee (21.1.69) and Division Presidents (31.10.68) Meetings
4. Items from Agenda for XXVth Conference Council Meetings requiring Discussion, Resolution or Recommendation by Bureau
5. Mass Spectroscopy
6. Title and Terms of Reference of Co-ordinating Committee
7. Ad-hoc Committee re Critical Data on Chemical Kinetics
8. Report from Assistant Secretary re Audiotape for Symposia
9. Ad-hoc Committee on Machine Language for Polymers
10. Ad-hoc Committee on Plasma Chemistry
11. Ad-hoc Committee on New Subject Areas
12. Study Group re Proposal of IAEA for International Analytical Laboratory
13. Physical Property Task Group
14. Names for Elements 102 and 103
15. Report on Machine Documentation
16. Ad-hoc Committee on Medicinal Chemistry
17. Relationships between IUPAC and Other International Organizations on Interdisciplinary Matters
18. New Titular and Associate Members
19. Sponsorship and Subvention
20. ICSU Ad-hoc Committee on Problems of Human Environment
21. IUPAC-IUB Liaison
22. Dissolution of Joint Commission on Applied Radioactivity
23. Any Other Business:
 - (a) IUPAC Publications
 - (b) Letter from Italian National Adhering Organization

I N D E X

<u>Minute No.</u>		<u>Page</u>
37	Introduction	1
38	Finalization of Agenda	1
39	Minutes of XXIIInd Bureau Meeting and Matters Arising	1
40	Minutes of LXI, LXII, LXIII and LXIVth Executive Committee, Finance Committee (21.1.69) and Division Presidents (31.10.68) Meetings	1
41	Items from Agenda for XXVth Conference Council Meetings requiring Discussion, Resolution or Recommendation by Bureau	1
42	Mass Spectroscopy	3
43	Title and Terms of Reference of Co-ordinating Committee	3
44	Ad-hoc Committee re Critical Data on Chemical Kinetics	3
45	Ad-hoc Committee on Machine Language for Polymers - Report on Machine Documentation	4
46	Ad-hoc Committee on Plasma Chemistry	4
47	Ad-hoc Committee on New Subject Areas	5
48	Physical Property Task Group	5
49	Names for Elements 102 and 103	5
50	Ad-hoc Committee on Medicinal Chemistry	6
51	Relationships between IUPAC and Other International Organizations on Interdisciplinary Matters	7
52	ICSU Ad-hoc Committee on Problems of Human Environment	8
53	IUPAC-IUB Liaison	9
54	Dissolution of Joint Commission on Applied Radio-activity	9
55	IUPAC Publications	10
56	Agenda Items not Discussed by Bureau	11

Minute 37

INTRODUCTION

In welcoming a number of guest speakers to the meeting, Prof. Kondratiev indicated that Prof. D.H.R. Barton (President-Elect of the Organic Chemistry Division) had asked to be present as an Observer. Apologies for non-attendance had been received from Prof. J. Lecomte (see Minute 452, LXVth Meeting of Executive Committee, Cortina d'Ampezzo, 3rd July, 1969), and from Prof. F. Weygand who was ill with fever. The Secretary General was requested to convey to Prof. Weygand the wishes of the Bureau for his quick return to good health.

Minute 38

FINALIZATION OF AGENDA

The Agenda, as circulated by the Executive Secretary before the meeting, was approved.

Minute 39

MINUTES OF XXIIInd BUREAU MEETING AND MATTERS ARISING

Minute 19: Reports of Division Presidents: Organic Chemistry Division - Prof. Bartlett confirmed that, on the recommendation of Prof. P.A. Plattner, the Secretary General should suggest to WHO, FAO and two UNESCO agencies that one or more qualified therapeutic chemists be added to their committees which deal with standards.

It was Resolved:

that the Minutes of the XXIIInd Meeting of the Bureau be approved.

Minute 40

MINUTES OF LXI, LXII, LXIII AND LXIVth EXECUTIVE COMMITTEE, FINANCE COMMITTEE (21.1.69) AND DIVISION PRESIDENTS (31.10.68) MEETINGS

There being no specific points from the mentioned minutes requiring its attention, the Bureau agreed to minute that the various minutes had been received

Minute 41

ITEMS FROM AGENDA FOR XXVth CONFERENCE COUNCIL MEETINGS REQUIRING DISCUSSION, RESOLUTION OR RECOMMENDATION BY BUREAU (Mr. P.M. Arnold in attendance)

After discussing the need for a world-wide representation of countries in the Bureau, it was Resolved that:

- (i) the procedure for election of Elected Members of the Bureau in Council at Cortina d'Ampezzo

.../...

be that recommended by the Executive Committee (see Minute 455 and Appendix A of LXVth Meeting of Executive Committee, Cortina d'Ampezzo, 3rd July, 1969);

- (ii) the delegation of its voting rights by Brazil to Argentina be approved (see Minute 455, *ibid.*);
- (iii) the Bureau should not exercise its right to make additional nominations to fill the vacancies in the Bureau (By-Law 2.222).

The Treasurer reported briefly on his memorandum dealing with the proposed new annual dues structure for National Adhering Organizations, which was included in the files for consideration by Council at Cortina d'Ampezzo. This structure related the dues for a country to its annual chemical turnover. All financial contributions from a country to IUPAC each year would be counted as dues (i.e. in addition to dues paid as such, there would also be included contributions from its Company Associates, any payments by the National Adhering Organization of travel expenses and subsistence expenses of its Titular Members, gifts to IUPAC from organizations and individuals resident in a country, and stenographic and other office facilities provided for Titular Members by their employers). It would not be obligatory for a country to go into the dues category exactly equivalent to its chemical turnover, though one hoped this would happen as soon as possible.

Some dissatisfaction was expressed at the inclusion of travel expenses and office facilities in the dues proposals, and it was confirmed that these concepts had only just been communicated to the National Adhering Organizations.

Prof. Bartlett suggested that Council be asked to vote separately on each of the points:

- (i) the principle of chemical turnover as the basis of a new dues structure
- (ii) the validity of payment of travel expenses to be accounted as part of the dues
- (iii) the validity of contributions from Company Associates and other organizations to be accounted as part of the dues

- so that some progress might be made towards the possible introduction of a new dues structure at the 1971 IUPAC Conference,

It was Resolved:

that an Ad-Hoc Committee, consisting of Mr. Arnold, Prof. Bartlett and Prof. Wichterle, be appointed to rewrite the new dues proposals in terms of the day's discussion, for consideration by Council.

Minute 42

MASS SPECTROSCOPY

Further to Minute 5 from the XXist Meeting of the Bureau (Prague, 2nd September, 1967), Prof. Kondratiev reported that Prof. Talrose proposed to discuss the possible task of IUPAC in that field at the International Conference on Mass Spectroscopy in Kyoto during September, then to report back to IUPAC.

Minute 43

TITLE AND TERMS OF REFERENCE OF CO-ORDINATING COMMITTEE

In addition to the contract work with the Economic Community (EC), the Co-ordinating Committee was now planning co-operative programmes with other international organizations and agencies interested in the analytical control of the human environment including food and beverages (e.g. International Agency for Research on Cancer, WHO and FAO, International Labour Organization). Therefore, as Chairman of the Committee, Prof. Truhaut proposed that it be named "Co-ordinating Committee for Co-operative Programmes" rather than "Co-ordinating Committee for Analytical Methods" (Comptes Rendus XXIV Conference, p.18).

A difficulty of this proposal pointed out by Dr. Gallay was that some co-operative programmes (e.g. the collaborative work on pesticide residues with FAO and WHO) were already under the control of the Applied Chemistry Division. Dr. Rees emphasized that the Co-ordinating Committee was created solely to ensure the continuity necessary for the co-operative work with EC (Minute 314, LVIIth Meeting of Executive Committee, Zürich, 11-12th July, 1966).

It was Resolved:

that Prof. Truhaut and Dr. Gallay discuss the implications of the title "Co-ordinating Committee for Co-operative Programmes", then report back to the Bureau with their proposals.

Dr. Gallay noted the recommendation of the Executive Committee (Minute 439, LXIVth Meeting of Executive Committee, Oxford, 14-15th February, 1969), that in such cases as the pesticides work carried out for FAO-WHO by the Applied Chemistry Division there should be a definite contract which made financial provision for the work to be done by IUPAC. Prof. Truhaut indicated that several co-operative programmes were being planned by the Co-ordinating Committee without contracts at the present time, in order not to hinder the commencement of work. It was agreed to judge each co-operative programme on its financial merits, but that the recommendation of the Executive Committee be noted as a guiding principle.

Minute 44

AD-HOC COMMITTEE RE CRITICAL DATA ON CHEMICAL KINETICS (Prof. F.D. Rossini and Prof. J.Th.G. Overbeek in attendance)

After presenting a brief background account of the ICSU Committee on Data

.../...

for Science and Technology (CODATA), its President, Prof. F.D. Rossini, reported that a Task Group on Kinetics was to be created. This Task Group would co-ordinate the compilation and publication of critical tables of kinetic constants as proposed in the memorandum of Prof. Kondratiev. As a beginning, Prof. Kondratiev suggested that IUPAC Commission I.3 (Electrochemistry) should undertake the work on electrochemical kinetics and pass the accumulated data for action by CODATA.

Prof. J.Th.G. Overbeek (Chairman) reported that Commission I.6 (Colloid and Surface Chemistry) had discussed ways of extending its activities in the field of catalysis (see Minute 438, LXIVth Meeting of Executive Committee, Oxford, 14-15th February, 1969). It was not felt desirable to change the name of the Commission. Over the next two years a tentative nomenclature manual covering catalysis would be composed, the possibilities of making standard reference materials for catalysis would be considered, and symposia in the periods between International Congresses of Catalysis (ICC), covering either a limited aspect of catalysis or intended for limited regional groups, might be sponsored and initiated. The Commission had extended its membership in the area of catalysis and requested an enlargement from 8 to 9 Titular Members. The recommendation that Prof. D.H. Everett replace Prof. Overbeek as the official IUPAC Representative on the ICC Council was approved by the Bureau.

It was Resolved:

that the Titular Membership of Commission I.6 be enlarged from 8 to 9 for the next 4 years.

Minute 45

AD-HOC COMMITTEE ON MACHINE LANGUAGE FOR POLYMERS - REPORT ON MACHINE DOCUMENTATION (Dr. B. Riegel in attendance)

A written report was considered from the Ad-Hoc Committee on Machine Language for Polymers, and Dr. B. Riegel presented a report on Machine Documentation in the Chemical Field.

Following the recommendations of these reports, it was Resolved:

that an Inter-Divisional Committee on Machine Documentation in the Chemical Field, attached to the Bureau, be appointed to work on methods for standardization and codification in the machine handling of chemical information. The composition of the committee is to be recommended by Dr. B. Riegel.

Prof. Bénard stressed the need for the Inter-Divisional Committee to have very good contact with the various IUPAC Nomenclature Commissions so that the latter were working along lines suitable for computerization.

Minute 46

AD-HOC COMMITTEE ON PLASMA CHEMISTRY (Dr. C.W. Beckett in attendance)

Dr. C.W. Beckett (Chairman) presented the report of the Ad-Hoc Committee

on Plasma Chemistry. In spite of the diversity of the plasma field, two areas could be worth emphasizing within IUPAC: synthesis of substances not readily obtained by other methods and chemical kinetics of plasma processes. A Sub-Commission might be formed and temporarily attached to Commission I.2 (Thermodynamics and Thermochemistry). It should be empowered to prepare plans for a Symposium on Plasma Chemistry (Washington, D.C., July 1971). As the field expanded it would probably become necessary to form a Commission on the subject.

It was Resolved:

that, subject to the approval of the Physical Chemistry Division Committee which should also recommend its composition, a Sub-Commission I.2.1 (Plasma Chemistry) be appointed.

Minute 47

AD-HOC COMMITTEE ON NEW SUBJECT AREAS

With the particular intention of interesting industry, Dr. Gallay reported that he was proceeding with the idea of organizing a major symposium on "The Role of Chemistry in Present and Future World Food Supplies". He proposed to set up a Steering Committee of 5 members, all from industry, which would need some financial help from IUPAC for its functioning. This proposal was approved by the Bureau; finance could be provided from the Applied Chemistry Division contingency fund. Dr. Gallay agreed to inform Sir Harold Thompson of any implications re publications arising from the Symposium.

Minute 48

PHYSICAL PROPERTY TASK GROUP (Prof. H. Kienitz in attendance)

Prof. H. Kienitz (Chairman) reported on the work of the Physical Property Task Group, whose task was to suggest and examine reference substances whose constants are known with sufficient accuracy and can be used in relative measurement as reference values or for calibrating measuring equipment. A clear working procedure had been adopted with a view to concluding the efforts of the Task Group within a few years and publishing the results. It was clearly established that there was no conflict of interests nor duplication of work with CODATA's Task Group on Key Values for Thermodynamics.

On behalf of CODATA, Prof. Klemm recommended that in order to make the terms of reference of the IUPAC Task Group clearer, it should be renamed Task Group on Standard Calibration Substances. This recommendation was endorsed by Prof. Kienitz and approved by the Bureau.

Minute 49

NAMES FOR ELEMENTS 102 and 103 (Prof. K.A. Jensen in attendance)

With reference to the controversy on names for elements 102 and 103, Prof. K.A. Jensen (Commission II.2: Nomenclature of Inorganic Chemistry) reported that on the basis of his discussions with Prof. E. Wichers

(Commission II.1: Atomic Weights) and the views of Dr. H. Seligman (ICSU Joint Commission on Applied Radioactivity) as received by letter, the following proposals were submitted to the Bureau:

- (i) That a name of a new element should not be approved until 5 years after a claim of its discovery and, provided that the discovery had not been contested, a name should only be approved after confirmation of the discovery in another laboratory.
- (ii) With regard to elements 102 and 103 the names 'nobelium' and 'lawrencium' approved by Council in 1957 and 1963 could only be changed on the basis of strong evidence that the approval was made on the basis of erroneous experiments and such evidence had not yet been presented.
- (iii) With regard to element 104, endorsement of a name by IUPAC be withheld until there is unambiguous evidence for its identification.

Prof. Kondratiev, on behalf of the Soviet National Committee for Chemistry, drew attention to Section 1.12 of "Nomenclature of Inorganic Chemistry - 1957" which seemed more applicable to firmly established elements than to new elements. The Soviet National Committee believed the decisions of Commission II.2 on names for elements 102 and 103 to have been premature, and it proposed the setting up of an Inter-Union Standing Committee on New Elements involving both IUPAC and IUPAP representatives. This Committee should ascertain the facts re discovery of any new element and decide if necessary, whether the proper name had been given to it.

It was Resolved:

that the proposals submitted by Prof. Jensen and those of the Soviet National Committee for Chemistry be referred to the Inorganic Chemistry Division Committee for consideration and recommendation of action by the Bureau.

Minute 50

AD-HOC COMMITTEE ON MEDICINAL CHEMISTRY (Prof. E. Campaigne in attendance)

Prof. E. Campaigne (Convenor) presented the report of the Ad-hoc Committee on Medicinal Chemistry. In the opinion of the Committee and a majority of other experts consulted, the scientific chemical aspects of the subject could best be served internationally by IUPAC. It was felt that the Organic Chemistry Division would probably promote the more academic aspects of medicinal chemistry (e.g. nomenclature) whereas the applied aspects would be better served through the Applied Chemistry Division. Consequently, a unit on medicinal chemistry might advantageously be attached to the Bureau.

After a full discussion on the matter, it was Resolved:

that a Section on Medicinal Chemistry, attached

to the Organic Chemistry Division, be appointed

- (i) to promote the international exchange of information in the field by joint meetings with member countries to unify international medicinal chemistry work;
- (ii) to promote co-operation between medicinal chemists and related disciplines in all member countries to base firmly the major medicinal areas on standard screening methods, biological assays, metabolite comparisons and drug analysis;
- (iii) to co-operate with other international organizations which deal with the various aspects of medicinal chemistry;
- (iv) to advance research in the field of medicinal chemistry by promoting international congresses, publications and personal relations among scientists within the discipline.

The composition of the Section is to be recommended by Prof. Campagne in consultation with Profs. Bartlett and Barton.

Minute 51

RELATIONSHIPS BETWEEN IUPAC AND OTHER INTERNATIONAL ORGANIZATIONS
ON INTERDISCIPLINARY MATTERS

Dr. Rees presented a memorandum on the problems arising from the current rapid development of several areas of science of an interdisciplinary or multi-disciplinary nature. There were particular difficulties for chemistry because of its central role in physical, biological and environmental sciences. Specific matters which need consideration are:

- (i) The provision of a mechanism for the sponsorship and organization of international scientific conferences and symposia in interdisciplinary topics.
- (ii) The modification of IUPAC policies regarding publication of scientific conference proceedings to accommodate jointly sponsored meetings.
- (iii) The establishment of sections or commissions or their equivalent within specific Unions and/or inter-Union bodies to stimulate the development of these topics.
- (iv) The establishment of commissions and other working groups to study the requirements of terminology units, nomenclature, standards, methods, critical compilation of data, etc., originating from these fields of work.

.../...

It was Resolved:

that an Ad-hoc Committee be appointed

- (a) to survey the problems of interdisciplinary scientific fields;
- (b) to explore the attitudes of other Unions to this problem;
- (c) to suggest a framework within which both the objectives of the scientists in these fields can be satisfied and the existing mechanisms for dealing with internationally important matters on which agreement is necessary can be preserved.

The composition of the Committee is to be recommended by Dr. Rees.

Minute 52

ICSU AD-HOC COMMITTEE ON PROBLEMS OF HUMAN ENVIRONMENT (Dr. G. Widmark
in attendance)

Prof. Truhaut reported on the second meeting of the ICSU Ad-hoc Committee on Problems of Human Environment (Stockholm, 10-11th June, 1969) at which Dr. G. Widmark (Commission VI.5.2: Pesticide Residue Analysis) and he had been the official IUPAC Representatives. The Committee had recommended that ICSU set up a Scientific Committee on Problems of the Environment (SCOPE), which would bring together the various disciplines, and which, through its Commissions, would be responsible for the promotion of environmental monitoring, evaluation of the effects of environmental disturbances, simulation modelling and predictions, and the study of the social effects of man-made change in the Environment. SCOPE should be provided with a secretariat which should be developed into an International Centre for the Environment (ICE). SCOPE and ICE should co-operate fully with other groups, outside of ICSU, including all involved UN Agencies, regional intergovernmental bodies, and international non-governmental bodies.

Prof. Truhaut and Dr. Widmark felt it desirable for IUPAC to set up an Ad-hoc Committee, including pre-eminent experts from industry, as an advisory group for the ICSU activities to come and to nominate one or two representatives from this Ad-hoc Committee to act in SCOPE if the latter is created by ICSU.

It was Resolved that:

- (i) IUPAC appoint an Ad-hoc Committee on the Human Environment with the Presidents of the Analytical Chemistry and Applied Chemistry Divisions to make recommendations on its composition.
- (ii) Prof. Truhaut be appointed the official IUPAC Representative at the Seminar on Chemical Aspects of Global Monitoring (Johannesburg, July 1969)

.../...

Minute 53

IUPAC-IUB LIAISON (Prof. O. Hoffmann-Ostenhof and Prof. W. Klyne in attendance)

Prof. O. Hoffmann-Ostenhoff (Chairman, IUPAC-IUB Joint Commission on Biochemical Nomenclature) indicated some corrections to the minutes of the meeting of the IUPAC-IUB Liaison Committee (Amsterdam, 20-21st February, 1969), then elaborated on certain of the items. IUB did not differentiate between tentative and final rules and, on the IUB side, received authority to publish IUPAC-IUB nomenclature rules from the President of IUB. This authorization was then transmitted to the IUB Commission of Editors of Biochemical Journals, which in turn notified its members that the approved rules could be published in any or all journals.

On the IUPAC side, IUPAC-IUB tentative nomenclature rules could henceforth be approved for publication by the Bureau (or Executive Committee) at one of its meetings or by correspondence through that body (see Minute 459, LXVth Meeting of Executive Committee, Cortina d'Ampezzo, 3rd July, 1969). However, Sir Harold Thompson emphasized that IUPAC-IUB final nomenclature rules would continue to be approved by Council and because of the publishing contract between IUPAC and Messrs. Butterworths, their publication by IUB should not occur until after the rules had appeared in Pure and Applied Chemistry.

It was Resolved to recommend to Council that:

- (i) The IUPAC-IUB Liaison Committee henceforth be a Standing Committee attached to the Bureau and the IUPAC members be:

Dr. R. Morf (Switzerland)
Prof. W. Klyne (UK)

- (ii) The Joint Commission on Biochemical Nomenclature henceforth be attached to both the Organic Chemistry and Macromolecular Chemistry Divisions, and that the appointments of the following IUPAC members be renewed:

Dr. W.E. Cohn (1969-1973)
Prof. W. Klyne (1969-1973)

Minute 54

DISSOLUTION OF JOINT COMMISSION ON APPLIED RADIOACTIVITY

Since 1966 the ICSU Joint Commission on Applied Radioactivity had only been functioning through correspondence and its work was now confined to co-sponsoring international meetings. The President of IUPAP and the President and Members of the Commission were of the opinion that it should be dissolved.

It was Resolved to recommend to Council:

that IUPAC, as Parent Union of the Joint Commission

.../...

on Applied Radioactivity, recommends to ICSU that the Committee be terminated and the balance of \$1,713.26 be refunded to the ICSU Treasurer.

Minute 55

IUPAC PUBLICATIONS

Sir Harold Thompson presented his report as Chairman of the Editorial Advisory Board. Included in the Bureau files were also a report from the Scientific Editor (Prof. B.C.L. Weedon) and the minutes of a meeting of an Ad-hoc Committee on Publications convened by the Executive Committee (London, 16th June, 1969).

With a sum of £4,247 (\$10,200) received by IUPAC from its publishers in 1968, the falling royalties in recent years had been amply reversed. Through the appointment of Symposium Editors it was hoped to avoid previous delays in publication of proceedings of symposia. In the case of Pure and Applied Chemistry, the arrears for 1968 had been cleared and there seemed a very good chance of completing the three volumes (18, 19 and 20) scheduled for 1969 by about the end of the year. The rapid growth in number of symposia being sponsored by IUPAC might make it necessary to apply some selectivity in regard to those which the Union decides to publish.

It was the unanimous view of the publishers and Publications Committee that the proposal of Prof. Bartlett to publish in the journal all papers as they were received and subsequently regroup papers from the same symposia in a special reprint, was neither practicable nor desirable. Some thought would need to be given to the content and use of the Information Bulletin in view of proposed changes re publication of tentative nomenclature rules.

Sir Harold Thompson noted Prof. Bénard's request for retention of a combined English-French text when the new edition of "Nomenclature of Inorganic Chemistry" was published.

Dr. Gallay indicated that some progress reports on work within the Applied Chemistry Division were unsuitable for Pure and Applied Chemistry and would not always reach the right audience through the Information Bulletin. His suggestion that such full reports be published in appropriate non-IUPAC media with a summary report in the Bulletin, was referred for consideration by the Standing Committee on Publications (see below).

It was Resolved that:

- (i) future distribution of the Information Bulletin and Comptes Rendus be as detailed in Appendix A.
- (ii) future publication of tentative and final nomenclature rules be as detailed in Appendix B.
- (iii) the price of Pure and Applied Chemistry in 1970 be £12 per volume, the number of volumes to be decided by the Chairman of the Editorial

.../...

Advisory Board and Scientific Editor when the publishing requirements for 1970 were known more exactly.

- (iv) the second Assistant Secretary post in the IUPAC Secretariat be filled in 1970 by an Assistant Secretary (Publications).
- (v) the existing front cover design of Pure and Applied Chemistry be retained.
- (vi) Council be recommended to appoint a Standing Committee on Publications of composition proposed by the Executive Committee (Minute 454, LXVth Meeting of Executive Committee, Cortina d'Ampezzo, 3rd July, 1969).

Minute 56

AGENDA ITEMS NOT DISCUSSED BY BUREAU

Due to lack of time, consideration of Items 8, 12, 18, 19 and 23(b) was deferred to the meeting of the Bureau on 7th July 1969.

VOTE OF THANKS

Prof. Kondratiev thanked the retiring members of the Bureau for their work on behalf of IUPAC. On behalf of the other members of the Bureau, Dr. Rees asked that their appreciation of the way in which Prof. Kondratiev had chaired the Bureau meetings in the past two years be minuted.

The Meeting closed at 18.20

CHAIRMAN: 

DATE: 3.10.70

FUTURE DISTRIBUTION OF INFORMATION BULLETIN
AND COMPTES RENDUS

Gratis copies of the above publication should be restricted to:

- (i) National Adhering Organizations and members of National Committees for Chemistry.
- (ii) A number of academic chemists nominated by each National Adhering Organization (this list should be fairly small).
- (iii) Professional and learned societies, other than the National Adhering Organizations, that are concerned with chemistry, either completely or partially.
- (iv) Titular and Associate Members and National Representatives.
- (v) Company Associates.

Organizations or individuals currently receiving the Bulletin and Comptes Rendus but not belonging to one of the above categories, should be asked to pay for these publications.

FUTURE PUBLICATION OF IUPAC RULES OF NOMENCLATURE

SYMBOLS, STANDARDS, ETC.

Tentative Rules

There are strong reasons for printing, in future, all tentative rules separately from the Information Bulletin. Direct reproduction from the nomenclature manuscript presented for publication seems advantageous, since this document will have been re-worked several times within the relevant Commission and it should, therefore, be as nearly perfect as can be achieved.

Although printed separately from the Bulletin, tentative rules should be associated with it as a numbered series of Nomenclature Supplements or Appendices.

Distribution of tentative rules should be by the IUPAC Secretariat to National Adhering Organizations, other relevant national organizations, and special addresses supplied by the Nomenclature Commission concerned. Either, copies in bulk can be sent to an organization, or a single good copy from which the organization can itself reproduce copies.

Translation of tentative rules into other languages through National Adhering Organizations will be permitted, but such translations must be headed "Translated from ..." and state that the original can be obtained from the IUPAC Secretariat.

A set of instructions should be presented to each Nomenclature Commission for preparing its tentative rules in a form best suited to direct reproduction.

Final Rules

These should continue to be printed in Pure and Applied Chemistry and hard-cover reprints be available for sale from Butterworths.

For a trial period of two years, if they can do so more cheaply, National Adhering Organizations and appropriate national societies (but not commercial publishers) will be allowed to reprint final rules in their respective journals and/or produce reprints after Butterworths have published the final rules. Otherwise, such organizations should purchase bulk copies of final rules from Butterworths.

Translations of final rules into other languages through National Adhering Organizations will be permitted, but such translations must be headed "Translated from ..." and state that the original can be obtained from the IUPAC Secretariat.

A routine mechanism will be established to enable National Adhering Organizations and appropriate national societies to order bulk copies of final rules from Butterworths.