

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF LXXV MEETING OF EXECUTIVE COMMITTEE

HELD AT VILLEFRANCHE-SUR-MER

ON

FRIDAY-SATURDAY, 2-3 MARCH 1973, AT 9.00

PRESENT:

Prof. J. Bénard	- President, in the Chair
Dr. A. L. G. Rees	- Past-President
Prof. Sir Harold Thompson	- Vice-President
Dr. W. Gallay	- Secretary General
Prof. O. Horn	- Treasurer
Mr. P. M. Arnold	

ABSENT:

Prof. N. M. Emanuel  
Prof. G. Sartori

IN ATTENDANCE:

Dr. M. Williams	- Executive Secretary
-----------------	-----------------------

# INDEX

<u>Minute</u>		<u>Page</u>
1/73	Introductory Remarks and Finalization of Agenda	1
2/73	Minutes of LXXIV Meeting of Executive Committee	1
3/73	Minutes of Meetings of Bureau (XXX), Division Presidents (72.9.22), Finance Committee (73.2.19-20) and Matters Arising	1
4/73	Statement of Accounts for 1972	2
5/73	Revised Budget for 1973	3
6/73	XXVII IUPAC Conference (Munich, 1973)	4
7/73	XXIV IUPAC Congress (Hamburg, 1973)	7
8/73	Nominations of New Members of IUPAC Bodies	7
9/73	Ex-officio Memberships of Bureau	9
10/73	IUPAC Representatives on Other Organizations	9
11/73	Terms of Reference of Standing Committees	11
12/73	Symposia: Representation, Sponsorship, Subvention	11
13/73	Associated Organizations	14
14/73	Present and Future Cooperation between IUPAC and IUB	15
15/73	Publications	16
16/73	Review of Statutes	17
17/73	Preliminary Report of ad hoc Committee on Nomenclature and Symbols	18
18/73	Policy for Fulfilment of Contract Work	18
19/73	Resolution 7 of XIV ICSU General Assembly: Environmental Matters	19
20/73	Resolution 13 of XIV ICSU General Assembly: COSTED	19
21/73	Location of XXVIII IUPAC Conference (1975)	19
22/73	Invitation for 1974 Bureau Meeting	20
23/73	Date and Place of Next Meeting	20
24/73	Relations with Academy of Sciences of People's Republic of China	20

Minute 1/73

INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

A letter of resignation from the Executive Committee (Bureau), because of continued ill health, had been received by the President from Prof. Sartori. It was accepted with regret. Prof. Bénard had already written to express thanks for the considerable work accomplished by Prof. Sartori in IUPAC over many years.

Just prior to the meeting a telegram had arrived from Prof. Emanuel, regretting that he could not be present owing to commitments in the Academy of Sciences of USSR.

Dr. Williams advised that from 18 March 1973 the telephone numbers of the IUPAC Secretariat would change from 70125 and 72834 to 770125 and 772834, respectively.

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

Minute 2/73

MINUTES OF LXXIV MEETING OF EXECUTIVE COMMITTEE

2.1/73 Amendments and Approval of Minutes

Subject to deletion of the words "and thereafter" from Resolution (i) under Minute 34/72 (page 4), it was Resolved:

that the minutes of the LXXIV Executive Committee Meeting be approved.

2.2/73 Matters Arising from Minutes

2.2.1/73 Federation of European Chemical Societies

Prof. Bénard had informed the Federation of European Chemical Societies (FECS) of the concern of IUPAC at overlap in activities on environmental problems. This would be brought to the attention of the FECS Executive Committee at its next meeting and to the FECS Working Party on Analytical Chemistry.

Minute 3/73

MINUTES OF MEETINGS OF BUREAU (XXX), DIVISION PRESIDENTS (72.9.22),  
FINANCE COMMITTEE (73.2.19-20) AND MATTERS ARISING

3.1/73 Minutes of XXX Bureau Meeting

(i) The Executive Committee agreed that the ad hoc Committee appointed to study the need for a Commission on Molecular Characterization of Polymers (Minute 7.1/72, XXX/B), was to be considered dissolved.

(ii) The President had approved the following membership for the ad hoc Committee to study the need for a Commission on Physical Organic Chemistry (Minute 7.4/72, XXX/B):

Prof. H. Zollinger - to represent the Officers of the Organic Chemistry Division

Prof. G. Wilke - to represent the Organic Chemistry Division Committee

Prof. V. Gold (UK) - to represent the rest of the world.

The ad hoc Committee was expected to report to the Bureau at the XXVII IUPAC Conference (Munich, 1973).

(iii) Prof. Bénard referred to recent correspondence within the Inorganic Chemistry Division on names for elements 104 and 105 (Minute 17/72, XXX/B). The Executive Committee asked the President to urge Prof. Fernelius to continue as Chairman of the Commission on Nomenclature of Inorganic Chemistry; and for the Commission to advise the Division Committee and thence the Bureau in Munich on policy to be pursued by the Union in this matter.

### 3.2/73 Minutes of Division Presidents Meeting (72.9.22)

In view of the previous acceptance by the Executive Committee of limitations on Divisional spending in 1972, Prof. Horn expressed concern at the statement made by the Secretary General to the Division Presidents (Minute 7).

### 3.3/73 Minutes of Finance Committee Meeting (73.2.19-20)

No minutes were yet available, but the Chairman had submitted a report on important aspects of the deliberations. Prof. Bénard suggested that subjects from the report should be considered under the relevant items of the Executive Committee Agenda.

Some parts of the report led Members of the Executive Committee to point out that the Finance Committee should not become too involved in IUPAC policy matters, especially when decisions had already been reached by the Executive Committee (Bureau), e.g., on providing a loan to the International Office for Analytical Chemistry.

Minute 4/73

### STATEMENT OF ACCOUNTS FOR 1972

In dealing with the preliminary Balance Sheet and Statement of Income and Expenditure for 1972, Prof. Horn drew attention to the overall financial improvement compared with 1971. This had been achieved largely through the good cooperation of the Divisions.

The Finance Committee advised one major change, namely removal from the Statement of Income and Expenditure of the item of \$41,825.73 for "Profit on Securities Sold" and its inclusion in the Balance Sheet. This was not a normal revenue item. Its deletion would give the true position for the year of an excess of receipts over expenses of \$33,435.92 instead of \$75,261.65. Some minor changes were also recommended for the final Statement.

The Treasurer had permitted the carrying forward to 1973 of unused Divisional funds totalling \$11,600. This had just been augmented by the return to the Union of \$1,500 allocated by the Organic Chemistry Division in 1972. Prof. Horn was disturbed at the level of National Adhering Organization annual subscriptions outstanding at the end of the year, even though some had subsequently been cleared. Sir Harold Thompson suggested that the outstanding subscriptions should be listed with the Statement of Accounts presented to Council.

The Executive Secretary reported on discussions with the IUPAC Banker, Schweizerische Bankgesellschaft, to ensure that future Statements gave a clearer picture with regard to IUPAC publications. The proposals of the Bank were accepted by the Executive Committee.

Mr. Arnold asked the Treasurer to ascertain why no book value at cost price was included for two items in the Securities Account.

Minute 5/73

#### REVISED BUDGET FOR 1973

Prof. Horn went briefly through the main items in the IUPAC Budget for 1973 (as of 23 October 1972). By careful adjustment of some items, it had been possible to meet the recommendation of the Finance Committee not to show a loss of greater than \$20,000.

In view of the heavy inflation of costs, the Treasurer emphasized the urgent need to raise the Union's income by soliciting new Company Associates. Some additional Company Associates were expected in 1973 from France and the first members from Switzerland. However, special efforts through personal contacts were needed in Canada and Netherlands. Sir Harold Thompson noted that the Finance Committee had questioned whether foundations, research organizations, government laboratories, etc., should be actively encouraged to join the Company Associates Scheme.

Changes in investment pattern made in 1972 would increase interest and dividends earned during 1973 from \$9,000 to \$14,000. On the basis of the expected cash flow, an immediate reinvestment of \$50,000 in DM-bonds had been decided, giving up to a further \$3,000 of annual income. In addition, \$25,000 had been invested for a short period in bankers acceptances. The Executive Committee noted, without comment, the recommendation of the Finance Committee for a return to regular transfers to reserves in future biennia.

In his capacity as the official representative of IUPAC, Mr. D. G. Chisman had approached the Union for additional funds for the ICSU Committee on Teaching of Science in 1973. Sir Harold Thompson reported favourably on the work of this ICSU Committee, but advised that for the present IUPAC should not increase its annual contribution. This was accepted by the Executive Committee.

Minute 6/73

XXVII IUPAC CONFERENCE (Munich, 1973)

6.1/73 Subsidies and Status Report

Further to the subsidies previously announced (Minute 34/72, page 4, LXXIV/EC), Prof. Horn reported that Chemische Industrie Bayern (not Verband der Chemischen Industrie eV (Landesverband Bayern)) would now provide DM5,000, making a total of DM43,000. Receptions were being provided by the Oberbürgermeister (23 August) and Bayerische Staatskanzlei (29 August). In addition, Sir Harold Thompson was trying to arrange a small reception through the British Embassy (30 August).

Other arrangements (as of 26 February 1973) were covered in a Status Report from the Assistant Secretary: a high attendance was expected. The Treasurer proposed that Mr. Ratcliffe should visit Munich for 2 days about 6 weeks before the Conference to ensure that everything was proceeding satisfactorily.

The Bureau (Minute 4.2/72, XXX/B) had endorsed an Executive Committee resolution that the per diem allowance for the Conference be not less than \$23. Changes in exchange rates since that time meant that \$26 was now needed to cover basic subsistence costs in Munich. After taking into account additional income expected in 1973 from investments and royalties, it was Resolved that:

- (i) the per diem allowance for the Munich Conference should be DM74;
- (ii) the allowance should be paid in cash with all handling charges to be assumed by the Union;
- (iii) the Treasurer should ascertain the most efficient mechanism for effecting the actual payments in Munich.

The Finance Committee had recommended that a meeting be convened at Conference, to which all industrial members of IUPAC bodies and representatives of Company Associates should be invited. The meeting should, however, be open to all Conference participants. It should be planned with an agenda and introductory papers covering

- (a) objectives for IUPAC technical programmes and projects;

- (b) areas of activity of IUPAC appropriate to its international nature and for funding by trusts and foundations.

This recommendation was accepted by the Executive Committee. The letter of invitation would be drafted by the President and Secretary General. A provisional date of 25 August was agreed for the meeting, which should be chaired by the President.

The Executive Secretary reported that invitations for the Conference had been sent to all National Adhering Organizations and Associated Organizations. It was agreed that IUB should be invited to send a representative to the Council meetings.

#### 6.2/73 Council Agenda

Slight modifications were made to a draft Agenda for the Council meeting. Further items could be added up to 4 months before the meeting (Bylaw 2.25), i.e. until 29 April 1973.

The Executive Committee agreed that the Report of the President on the State of the Union could be circulated for publication in national chemistry news journals at the time of the Conference. Also, a suitable abstract should be released to the press in Munich.

To permit tentative budgets for 1974 and 1975 to be prepared before Conference, the Finance Committee had advised

- (a) Maintenance of recent practice to plan for a surplus in the non-Conference year (1974) equivalent to any loss in the Conference year (1975), such loss being not more than \$20,000.
- (b) On the basis of costs of the 1969, 1971, and (anticipated) 1973 Conferences, a maximum of \$125,000 should be set for net expenditure on the 1975 Conference.
- (c) An annual increase in general costs of 10% should be allowed.
- (d) Immediate requests should be made to Division Presidents for programmes in 1974-5; it was important that these should be such as to attract more financial support from government, industry, trusts, and foundations.
- (e) Instead of inclusion of a general contingency item, as recommended by the Bureau, the recognition of the need for any new project should be judged on its merits and added as an extra-budgetary item.

With regard to (d), the Executive Committee stressed that some important programmes of IUPAC bodies were not capable of attracting financial support to the Union. Contrary to (e), it was decided that a general contingency item of \$5,000 should be included in future budgets.

Before considering any increase in the basic unit (presently \$400), the Finance Committee had recommended other methods to be used for raising income from national subscriptions, namely



(i) Each country to accept the obligation to enter, not later than 1975, the category equivalent to its chemical turnover.

(ii) Preferably the whole of each national subscription should be made available by the Adhering Organization itself, leaving Company Associate subscriptions as additional income.

Some objections to these recommendations were raised within the Executive Committee, particularly in view of the continuing devaluation of the US-dollar. It was Resolved:

that Council in Munich be recommended to raise the basic unit of subscription for National Adhering Organizations, commencing 1974, from \$400 to \$450.

In addition, the Executive Committee Resolved:

that Council in Munich be asked to approve that, starting in 1974, the minimum subscription for Category D be raised from \$100 to \$200.

Rather than try and impose any limitation on tenure of Category D membership, it was decided to seek statutory change so that Category D was not entitled to voting rights.

With regard to outstanding subscriptions, the Finance Committee had recommended that the following principles should be adopted and the necessary statutory changes effected as soon as possible:

(a) When an Adhering Organization is 1 year in arrears with its subscription -

1. Its voting rights shall be withheld.
2. All IUPAC publications shall be withheld.
3. All travel and subsistence support from IUPAC for Titular Members from that country shall be withheld.

(b) When an Adhering Organization is 2 years in arrears, its membership of the Union shall be withdrawn automatically.

The Executive Committee accepted 1 and 2 of (a), but found 3 to be contrary to the spirit of Bylaw 4.1303 (Titular Members were internationally recognised specialists and did not represent national interests); (b) was accepted provided that adequate reminders had been sent to the Adhering Organization.

#### 6.3/73 Elections (Executive Secretary not in attendance)

The Secretary General had written to the National Adhering Organizations with regard to Officers of the Union and Elected Members of the Bureau, inviting nominations for the various positions which would



fall vacant in 1973. The Adhering Organizations should now be advised of the additional vacancy caused by the resignation of Prof. Sartori.

The Executive Committee gave consideration to the filling of vacancies, noting that if the Bureau decided to make additional nominations, a biographical note should be supplied for each candidate (Bylaws 2.222 and 2.221).

6.4/73 Application for National Adhering Organization Status

By letter of 30 January 1973, Akademie der Wissenschaften der DDR had officially applied to become the German Democratic Republic National Adhering Organization of IUPAC. It wished to be assigned to membership Category B<sup>1</sup>. It was Resolved:

that the Executive Committee supports the membership application from the German Democratic Republic, which should be formally considered by Council in Munich.

Minute 7/73

XXIV IUPAC CONGRESS (Hamburg, 1973)

The Organizers had indicated they were ready to take over the travel expenses from Munich to Hamburg as well as the accommodation and living costs at Hamburg for the Members of the IUPAC Executive Committee and Executive Secretary for the duration of the Congress.

Minute 8/73

NOMINATIONS OF NEW MEMBERS OF IUPAC BODIES

8.1/73 Ratification of Nomination Endorsed by Correspondence through Executive Committee

The nomination of J. H. Beynon (UK) as a Titular Member of the Commission on Molecular Structure and Spectroscopy and as Chairman of the Sub-Commission on Mass Spectroscopy, endorsed by correspondence through the Executive Committee since the XXX Bureau meeting, was ratified.

8.2/73 Nomination for New Officer of a IUPAC Body

The nomination of P. N. Chipperfield (UK) as Vice-Chairman of the Section on Water Quality was ratified.

8.3/73 Reductions to Eight Titular Members on IUPAC Bodies

It was noted that the following IUPAC bodies currently had nine Titular Members:

Section on Clinical Chemistry

Commission on Colloid and Surface Chemistry (Minute 44, XXIII/B)

Commission on Nomenclature of Inorganic Chemistry (Minute 117 (v),  
XXIX/B).

These should be reduced to eight Titular Members at the Munich Conference. Exceptions to Bylaw 4.1303 should only be permitted by the Bureau for very special reasons.

8.4/73 Nominations of New Members of IUPAC Bodies

The following nominations for new Members of IUPAC bodies were supported by the relevant Division Presidents and approved by the Executive Committee:-

Sub-Commission I.4.1

Members:	H. Kienitz (Germany), Chairman	J. Franc (Czechoslovakia)
	D. Ambrose (UK)	Y. Mashiko (Japan)
	S. Angus (UK)	G. Milazzo (Italy)
	I. Brown (Australia)	T. Plebanski (Poland)
	E. Brunner (Germany)	W. Simon (Switzerland)
	J. P. Cali (USA)	W. M. Smit (Netherlands)
	J. D. Cox (UK)	W. Thomas (Germany)
	H. Feuerberg (Germany)	H. Ziebland (UK)

Commission V.5

Associate Member: G. Charlot (France)

8.5/73 Outstanding Endorsements from USSR

Replies were still outstanding from the Soviet National Adhering Organization to the following requests from the Union for endorsement of nominations of new Members of IUPAC bodies:-

12 November 1971

Commission I.3	- Yu. V. Pleskov - Associate Member
Commission II.2	- B. Myasoedov - Titular Member
Division III Committee	- Yu. A. Ovchinnikov - Member
Commission IV.1	- N. A. Platé - Titular Member
Commission V.2	- E. A. Terrent'eva - Associate Member

4 January 1972

Sub-Commission I.2.1 - L. S. Polak - Member

29 September 1972

Sub-Commission I.2.2 - V. V. Sytchev - Member

Because no reply had been received within 4 months and in accordance with the provisions of Bylaw 4.1303, the Executive Committee decided that all of the nominated Soviet chemists should be considered as fully elected to the relevant IUPAC bodies. The Secretary General should inform the National Committee of Soviet Chemists accordingly.

Minute 9/73

#### EX-OFFICIO MEMBERSHIPS OF BUREAU

The President drew attention to the absence of any reference in the Statutes to ex-officio Members of the Bureau. Also, he wondered why such status should be restricted to the Chairmen of the Committee on Publications, Coordinating Committee for Analytical Methods for CEE and IARC, and Section on Clinical Chemistry.

After agreeing that ex-officio Members of the Bureau had no voting rights, the Executive Committee decided to refer the matter for further consideration during the revision of Statutes.

Minute 10/73

#### IUPAC REPRESENTATIVES ON OTHER ORGANIZATIONS

##### 10.1/73 Extension of CODATA's Operations

Sir Harold Thompson supported the view of Dr. Rees that, rather than extend its operations into time- and location-dependent data, for the present CODATA should restrict itself to critical evaluation of existing physicochemical data. This was adopted by the Executive Committee as the official attitude of IUPAC. Prof. W. Klemm should inform CODATA accordingly, following the CODATA Open Meeting at the Munich Conference, at which requirements for new chemical data compilations were to be discussed.

##### 10.2/73 Liaison with UNISIST

Dr. Rees reaffirmed the need for the Interdivisional Committee on Machine Documentation and Nomenclature Commissions of IUPAC to establish contact with the ICSU policy group on UNISIST matters. Prof. Bénard mentioned that Dr. B. Riegel had resigned as official representative of the Union on the ICSU Abstracting Board and proposed Dr. J. W. Barrett as his replacement. This was approved by the Executive Committee. Dr. Barrett might also effect the liaison with UNISIST.

##### 10.3/73 Collaboration with ISO

The President had been asked to make personal contact at the highest possible level in ISO to ensure good collaboration between our two organizations and minimal overlap in work programmes (Minute 36.3/72, LXXIV/EC). Before taking any action, Prof. Bénard had requested the Executive Secretary to prepare a summary of recent efforts to improve collaboration between IUPAC and ISO. He proposed to study the summary and advise on possible further actions at the next meeting of the Executive Committee.

10.4/73 SCOPE

Dr. Gallay reported that he would be preparing a major article on SCOPE for publication later this year in Information Bulletin No.46.

10.5/73 COSPAR

Prof. Bénard had been pressed by the President of COSPAR to appoint a permanent representative from IUPAC. After reconsideration of the matter, the Executive Committee decided for the present to continue with the policy of all COSPAR documentation to be received by the Secretary General on behalf of the Union. Meanwhile, a spectroscopist should be invited to act for IUPAC at the 1973 meetings of COSPAR (Konstanz: 23 May-6 June). It was agreed to approach Prof. Th. Förster or Prof. E. Fluck of the Commission on Molecular Structure and Spectroscopy.

10.6/73 WHO

The President would ask the IUPAC representative, Dr. Morf, to prepare more concise reports of future WHO meetings and especially to emphasize matters requiring the attention of chemists and the Union.

10.7/73 FAO

The application of IUPAC for an official relationship as an international nongovernmental organization had been examined by FAO: the Union had been granted specialized consultative status.

10.8/73 UNESCO

Dr. Gallay pointed out that IUPAC had no direct official contact with UNESCO. It was agreed to maintain contact with UNESCO through ICSU and the contracts of the Commission on Teaching of Chemistry.

10.9/73 WMO

Dr. Gallay pointed out that IUPAC had no formal relationship with WMO, though he had personal contacts through SCOPE. The Executive Committee concluded that no action was needed at this time by the Union.

10.10/73 ICCG

Prof. Bénard had decided to appoint Prof. R. Collongues (Commission on High Temperatures and Refractory Materials) to act for IUPAC if an invitation was received from ICCG. The Executive Committee was unable at present to give priority to providing funds for participation of Prof. Collongues in the IV International Conference on Crystal Growth (Tokyo: 24-29 March 1974).

Minute 11/73

TERMS OF REFERENCE OF STANDING COMMITTEES

11.1/73 Committee on SCOPE

Revised draft Standing Orders of the Executive Committee were considered. After the inclusion of agreed further amendments, the draft would be referred for the attention of the Committee on Statutes and Bylaws.

11.2/73 Interdivisional Committee on Machine Documentation in the Chemical Field

Draft Standing Orders of the Executive Committee were considered. An amended draft would be referred back for comment by the Interdivisional Committee.

11.3/73 Committee on Teaching of Chemistry  
Committee on Publications  
Committee on Statutes and Bylaws

The draft Standing Orders of the Executive Committee had been revised to take into account the comments of the Committee on Statutes and Bylaws. Subject to one minor amendment, these Standing Orders (Appendices A, B, and C to these Minutes) were given final approval by the Executive Committee.

Minute 12/73

SYMPOSIA: REPRESENTATION, SPONSORSHIP, SUBVENTION

12.1/73 Official Representatives of IUPAC to Symposia in 1973

Official representatives of the Union to its sponsored symposia in 1973 appointed by Prof. Bénard through correspondence since the XXX Bureau meeting (see Appendix D), were ratified by the Executive Committee.

With regard to the International Congress on Improvement in Chemical Education (Wroclaw, Poland: 17-22 September 1973), to be sponsored jointly by UNESCO and IUPAC, Prof. Bénard strongly recommended that an Officer should represent the Union. He hoped that expenses for participation would be met by UNESCO.

12.2/73 Ratification of Symposia Sponsored by Correspondence through Executive Committee

The granting of sponsorship by correspondence through the Executive Committee since the XXX Bureau meeting, was ratified by the Executive Committee for the symposia listed in Appendix E.

The need for IUPAC to sponsor all future Prague Microsymposia on Macromolecules should be discussed with the Officers of the Macromolecular Division.

### 12.3/73 Policy for Granting Sponsorship

The Bureau (Minute 9.15/72, XXX/B) had suggested that the general policies of the Union for granting sponsorship to meetings, as adopted by Council in 1965, should be reviewed by the Executive Committee.

Sir Harold Thompson made the following points:

- (a) The two-year provisional application ruling should be adhered to more strictly;
- (b) IUPAC should be more discriminating in the granting of sponsorship;
- (c) The waiving of its publication rights had sometimes lost the Union good material.

Prof. Bénard mentioned that the question of sponsoring established meetings of Associated Organizations presented difficulties. The Executive Committee agreed that each such meeting must be judged on its merits by IUPAC. Dr. Rees felt that the goodwill generated by waiving publication rights was worthwhile on some occasions.

It was suggested that a standard paragraph should be devised to explain that, when limited funds were available for IUPAC to grant subventions, not all meetings could be assisted. With regard to applications for subvention, the Executive Committee believed that:

1. social programmes should be self-supporting without financial help from IUPAC;
2. organizers of symposia held particularly in a university or similar building should not have to pay for hire of rooms.

Otherwise the Executive Committee concluded that existing policies for sponsorship and subvention should continue to be followed in the future.

### 12.4/73 IV International Conference on Nonaqueous Solvents (Vienna, July 1974)

The matter of subvention was reviewed, but it was not found possible to increase the amount beyond the \$1,000 already allocated (Minute 9.13/72, XXX/B). This money must not be used exclusively for providing subsistence for scientists from Eastern countries.

### 12.5/73 II Symposium on Inorganic Phosphorus Compounds (Prague, September 1974)

On the basis of the budget supplied, no subvention to be granted. Specifically, hire of rooms and social events should not be a potential charge against a IUPAC subvention.

### 12.6/73 XV International Conference on Coordination Chemistry (Moscow, 73.6.25-30)

No subvention granted: no budget supplied and meeting to be held in a IUPAC Conference year.



12.7/73 XVI International Conference on Coordination Chemistry (Dublin, 74.8.19-24)

The previous decision not to grant a subvention (Minute 9.5/72, XXX/B) was reviewed, taking into account the \$500 recently returned to the Union from the money allocated in 1972 to the XIV Conference. A subvention of \$1,000 was now granted. The International Conferences on Coordination Chemistry should be informed that IUPAC might not find it possible to grant financial support to all future meetings in this series.

12.8/73 II IUPAC Conference on Physical Organic Chemistry (Leyden, 74.4.29-5.2)

Supported by Organic Chemistry Division. IUPAC wished to publish 7 plenary lectures. Sponsorship approved. It was noted that the \$1,500 allocated from the 1972 Organic Chemistry Division Contingency Fund to the I Conference had recently been returned to the Union. Subvention of \$2,000 granted as a deficit guarantee.

12.9/73 I IUPAC Symposium on Synthetic Organic Chemistry (Louvain, August 1974)

Supported by Organic Chemistry Division. IUPAC wished to publish 16-20 main papers. Sponsorship approved. Subvention of \$1,000 granted as a deficit guarantee.

12.10/73 IX International Symposium on Chemistry of Natural Products (Ottawa, 74.6.24-28)

Subvention of \$1,000 granted as a deficit guarantee

12.11/73 II International Symposium on Chemistry of Nonbenzenoid Aromatic Compounds (Lindau, 74.9.22-28)

Subvention of \$1,000 granted.

12.12/73 VII International Symposium on Carbohydrate Chemistry (Bratislava, August 1974)

Supported by Organic Chemistry Division. IUPAC wished to publish 12 main lectures. Sponsorship approved. No subvention granted: budget already appears to be balanced.

12.13/73 VI International Congress on Catalysis (London, 76.7.12-16)

Supported by Physical Chemistry Division. IUPAC publication rights to be waived. Sponsorship approved.

12.14/73 V International Symposium on Magnetic Resonance (Bombay, 74.1.14-18)

Supported by Physical Chemistry Division. IUPAC wished to publish 15-20 main lectures. Sponsorship approved. Subvention of \$1,000 granted.



Minute 13/73

ASSOCIATED ORGANIZATIONS

13.1/73 Guidelines for Admission

Prof. Bénard reminded those present of the recommendation of the ad hoc Committee on Interdisciplinary Matters (Minute 88, XXVI/B) to encourage contacts with other organizations and especially to bring appropriate international bodies into Associated Organization status of the Union. He believed that the criteria for such status should be:

- (a) Is the organization international in membership (i.e., comprises several countries - even regional)?
- (b) Is the standard recognized internationally by the experts?
- (c) How old is the organization?

After discussion it was agreed that, in considering applications from international organizations for Associated Organization status, IUPAC should satisfy itself that

1. the period of existence has been adequate to establish the stability and quality of the organization and its activities;
2. the objectives of the organization are in harmony with those of IUPAC;
3. the activities of the organization neither duplicate nor are in conflict with the legitimate functions of IUPAC, such as regulation, standardization or codification;
4. there should be a willingness to cooperate with IUPAC, if requested, in these areas.

Under Statute 11 the continued existence of an independent body as an Associated Organization should be the subject for decision by Council biennially on the recommendation of the Bureau (Executive Committee).

13.2/73 Association of Official Analytical Chemists

An application from the Executive Committee of AOAC was discussed at some length. Doubts were expressed as to whether the Association and especially its governing body was international. It was decided to seek more detailed information on membership for consideration at the next meeting of the IUPAC Executive Committee.

13.3/73 International Association for Advancement of High Pressure Science and Technology

Following an exchange of views within the Executive Committee, it was agreed to ask the Bureau to recommend to Council in Munich that the application from AIRAPT be accepted.

13.4/73 International Committee for Rheology

Further to consideration by the Bureau of the application from the International Committee for Rheology (Minute 14.5/72, XXX/B), strong support had been given by the Officers of the Macromolecular Division and the Commission on Colloid and Surface Chemistry. The Bureau would be requested to recommend that Council in Munich should accept the application.

13.5/73 International Association of Geochemistry and Cosmochemistry

A provisional application had been received from the President of the Association. This arose from an earlier suggestion of the Association that IUPAC should form a geochemical group for liaison purposes. The Executive Committee would look favourably when a firm application was submitted.

13.6/73 International Conferences on Coordination Chemistry

During the last few years the Executive Committee had been anxious to improve collaboration between IUPAC and the International Conferences on Coordination Chemistry and on Organometallic Chemistry. This had resulted in submission of an application from ICC for Associated Organization status of the Union. The Executive Committee agreed to ask the Bureau to recommend to Council in Munich that the application should be accepted. ICOC would be discussing the matter of collaboration at its VI Conference (Amherst, Massachusetts: 73.8.12-17).

Minute 14/73

PRESENT AND FUTURE COOPERATION BETWEEN IUPAC AND IUB

Prof. Bénard and Sir Harold Thompson elaborated on a report of the recent meeting of representatives of IUPAC and IUB (Stockholm: 73.1.10), at which present and future cooperation of the two Unions was considered:

- (a) The sales of the soft-cover version of the joint report on Enzyme Nomenclature via Elsevier should be followed carefully by IUPAC. This might have implications for the sale of IUPAC's own nomenclature reports via Butterworths.
- (b) Dr. Dybkaer had now proposed a satisfactory solution to the controversy on definition of units of catalytic activity of enzymes.
- (c) The Bureau should request Council at Munich to dissolve the IUPAC-IUB Liaison Committee.
- (d) The Division Presidents should be informed that their Sections and Commissions were not free to commit the Union to any publication agreement without the concurrence of the Committee on Publications and Executive Committee.

Minute 15/73

PUBLICATIONS

15.1/73 IUPAC Publications Financial Statement for 1972

In referring to the IUPAC Publications Financial Statement for 1972 (as of 6 February 1973), Sir Harold Thompson expressed satisfaction with the excess of income over expenditure. No attempt had been made to include a subsidy from general funds for provision of gratis copies of the Comptes Rendus and the Information Bulletin and its Appendices to Members of IUPAC bodies. He noted the advice of the Finance Committee that gratis publications from Butterworths should not be counted towards income.

The prospects for 1973 looked promising, with higher royalties expected from Butterworths than anticipated. An income tax exemption notice had now been issued regarding royalties on sales of IUPAC publications in UK. Taxes paid in 1971 and 1972 were likely to be reimbursed to the Union.

Prof. Bénard drew attention to the examination by the Finance Committee of the IUPAC Publications Financial Statements for 1970-1972, which had revealed real advantages for the understanding and financial control of publications. The Finance Committee advocated that IUPAC moved to formalization of a separate publications account.

15.2/73 German Translation of Nomenclature of Organic Chemistry

In 1971 the Committee on Publications had considered a request from University of Stuttgart to translate Nomenclature of Organic Chemistry into German. It had advised that only the German National Adhering Organization could give permission to proceed and that the copyright must remain with IUPAC. A recent letter from Dr. H. Grunewald, Director of Publications for Gesellschaft Deutscher Chemiker, pointed out that University of Stuttgart had proceeded with the translation and publication without approaching Deutscher Zentrallausschuss für Chemie.

The Executive Committee decided to refer the matter for investigation by Dr. W. Fritsche (DZCh), asking him to report his findings at the Conference in Munich. Subject to his confirmation, a notice should be published in the Information Bulletin and German journals, stating that the translation was unofficial.

15.3/73 Resource Book on Selected Topics of Colloid and Surface Chemistry

A resource book for university teachers and students, entitled Principles of Physical Chemistry illustrated by Selected Topics of Colloid and Surface Chemistry, was being prepared by the Commission on Colloid and Surface Chemistry (I.6). Sir Harold Thompson reported that Butterworths preferred not to publish the book, but would do so if IUPAC insisted. Soft covers and photo-offset printing would be essential to keep the price as low as possible. Unfortunately, the costs of typing the manuscript for printing could not be absorbed by the normal secretarial services of the Commission's Officers, and IUPAC would have to pay the fee. Sir Harold Thompson was concerned about establishing such a precedent.

The Executive Committee decided to seek the advice of the Committee on Teaching of Chemistry:

- (a) Was the Committee in favour of this type of book project being undertaken by IUPAC bodies and, if so, under what circumstances? It was quite different from the more general chemical education material (symposium proceedings or surveys for UNESCO) so far published under the Union's name.
- (b) If the Committee was in favour, should IUPAC publish such books under the official contract with Butterworths? In the present case, Commission I.6 had suggested that publication might be done through W. H. Freeman of San Francisco.

Minute 16/73

#### REVIEW OF STATUTES

Prof. Bénard referred to his circular letter requesting Members of the Bureau, Officers of Standing Committees, and Division Presidents and Secretaries to submit items for consideration in the revision of Statutes. The Executive Secretary had compiled a list of the suggestions (as of 31 January 1973).

Also, the President mentioned his longterm ideas for a more modern structure of the Union, possibly project oriented, and a greater flexibility of operation. The Executive Committee was not opposed to these ideas. Dr. Rees felt that, although some modification of the Bylaws might be necessary to accommodate the ideas, no fundamental changes were required to the Statutes.

The Executive Committee agreed that:

- (a) Its Members should consider individually, before the Conference in Munich, the list of suggestions for revision of the Statutes. At the same time they should feel free to add any ideas of their own: Mr. Arnold wished to state some views on proxy voting.
- (b) The Committee on Statutes and Bylaws should also consider the list of suggestions by correspondence before Munich. The suggestions should be divided into items simply requiring rewording and those involving policy changes: the latter should be referred back for guidance by the Executive Committee at Munich.

The Finance Committee had submitted two items for consideration in the revision of Statutes:

1. Mechanisms should be sought to extend participation of industrial members in IUPAC bodies without attracting travel and subsistence costs to the Union.
2. The period of Office of the Treasurer should commence 1st January in the year after his election at the biennial Conference. This would facilitate a smooth transfer of responsibilities and full effectiveness from the date he took Office.

With regard to 1, the Executive Committee felt that claims for expenses from the Union by Industrial Titular Members should remain on a voluntary basis and not become subject to statutory control. No decision was reached on 2: this matter had already been included in the list of suggestions for revision of the Statutes.

Minute 17/73

#### PRELIMINARY REPORT OF AD HOC COMMITTEE ON NOMENCLATURE AND SYMBOLS

Consideration was given to the preliminary suggestions of the ad hoc Committee on Nomenclature and Symbols. In general, the Executive Committee approved of the ideas for improving the efficiency of operation of the existing Interdivisional Committee on Nomenclature and Symbols. The ad hoc Committee was urged to submit definite recommendations for consideration of implementation at Munich.

The Executive Committee was not against the proposal to create a Nomenclature and Symbols Division, as previously suggested by Prof. Bénard and now put forward independently by the directors of publications of some major national chemical societies. Obviously, this was a more longterm possibility, but the ad hoc Committee should include in its report a study of the creation of such a Division.

Also, it was important for the ad hoc Committee to suggest a liaison mechanism between editors of primary journals/abstract organizations and the IUPAC Interdivisional Committee/Nomenclature Commissions, so that requirements for new nomenclature could be treated rapidly by the Union.

Finally, in view of discussions at the IUPAC-IUB meeting in Stockholm (see Minute 14/73, LXXV/EC) and the preliminary suggestions of the ad hoc Committee, the use of "tentative" and "definitive" ("final") for IUPAC nomenclature rules was reviewed. The Executive Committee decided to circulate the following proposals for comment by the Division Presidents, so that the Bureau could take a decision in Munich:

- (a) in future, "recommendations" should be used instead of "rules";
- (b) "provisional" should be used instead of "tentative" (cf. Bylaw 2.11) and the year of issue of the recommendations be stated;
- (c) the use of "definitive" ("final") should be discontinued and the year of issue of the recommendations merely stated.

Minute 18/73

#### POLICY FOR FULFILMENT OF CONTRACT WORK

Prof. Bénard advocated the use of a more flexible policy by IUPAC for fulfilment of contract work. He suggested that decisions on how to spend the contract money should be the responsibility of the Chairman of the relevant IUPAC body, for example, the Chairman of the Coordinating



Committee for Analytical Methods for CEE and IARC. The Executive Committee recommended that, prior to further consideration of the matter, a cost evaluation should be made of the CEE contract work.

Minute 19/73

RESOLUTION 7 OF XIV ICSU GENERAL ASSEMBLY: ENVIRONMENTAL MATTERS

Dr. Gallay said that this resolution would increase the activities of SCOPE and might involve a much wider participation than previously by IUPAC in SCOPE. The implications would be dealt with in his forthcoming article in the Information Bulletin (see Minute 10.4/73, LXXV/EC).

Minute 20/73

RESOLUTION 13 OF XIV ICSU GENERAL ASSEMBLY: COSTED

This resolution concerned the continuation and reconstitution by ICSU of COSTED. The Executive Committee endorsed the opinion of Prof. Bénard that IUPAC should await developments, without appointing a representative but with the Secretary General as the person to receive COSTED documentation on behalf of the Union.

Minute 21/73

LOCATION OF XXVIII IUPAC CONFERENCE (1975)

The Assistant Secretary had recently visited Israel to discuss travel and accommodation possibilities in detail. Negotiations were now in hand with the relevant Hungarian authorities. A full report would be submitted for consideration by the Executive Committee before the Conference in Munich. The difference in overall costs to the Union between Tel Aviv and Budapest would not be so great as previously expected (see Minute 20/72, XXX/B). In line with the decision of Council at Washington (Minute 24 (ii), XXVI/C), Sir Harold Thompson on behalf of the Executive Committee undertook to investigate some other possible locations for the Conference in 1975.

The President and Vice-President had received copies of a letter from a Prof. E. A. Halevi (Technion-Israel Institute of Technology in Haifa), suggesting that Soviet chemists should not be allowed to participate in the XXV IUPAC Congress, which was scheduled for Jerusalem in 1975. The Executive Committee asked Prof. Bénard to write to Prof. E. D. Bergmann, an Israeli member of the IUPAC Bureau, for an assurance that the Union's policy of freedom for all scientists to participate in the Congress would be respected.

Minute 22/73

INVITATION FOR 1974 BUREAU MEETING

An invitation had been submitted by Prof. G. Smets on behalf of the Comité National de Chimie of Belgium for the Bureau to meet in Brussels in September 1974. A decision was deferred until the Bureau met at the Conference in Munich, but meanwhile thanks were recorded for the invitation.

Minute 23/73

DATE AND PLACE OF NEXT MEETING

The next meeting of the Executive Committee was scheduled for 27 August 1973 at Munich during the XXVII IUPAC Conference.

Minute 24/73

RELATIONS WITH ACADEMY OF SCIENCES OF PEOPLE'S REPUBLIC OF CHINA

A letter from the Secretary General of ICSU, concerning relations with the Academy of Sciences of the People's Republic of China, was considered. It was agreed that IUPAC should take no action and await developments within ICSU.

VOTE OF THANKS

Sir Harold Thompson agreed to write an official letter of thanks to Comité National de la Chimie of France for the provision of hospitality.

\* \* \* \* \*

The Meeting closed at 17.35

CHAIRMAN:

J. Beun  
.....  
DATE: 27.8.1973  
.....



STANDING ORDERS OF EXECUTIVE COMMITTEE  
REGARDING COMMITTEE ON TEACHING OF CHEMISTRY

Composition and Terms of Office

- (i) There shall be a standing Committee on Teaching of Chemistry composed of a Chairman, a Secretary, and six other Members.
- (ii) The President in consultation with the Executive Committee shall appoint Members. The Committee on Teaching of Chemistry may propose names of persons suitably qualified for appointment.
- (iii) The maximum period of service of Members shall be eight years.
- (iv) In order to ensure continuity, two Foundation Members\* shall be replaced in 1973 and the other two Foundation Members in 1975.
- (v) The President in consultation with the Executive Committee shall appoint the Chairman and the Secretary. The Committee on Teaching of Chemistry may propose candidates.
- (vi) The period of service of the Chairman and Secretary shall not exceed eight years. The sum of the years of service as a Member and as Chairman or Secretary shall not exceed ten years.

Terms of Reference

- (i) To advise the President and the Executive Committee on educational matters.
- (ii) To coordinate the educational interests and activities of all IUPAC bodies.
- (iii) To act as an informational and coordinating body for chemical education activities throughout the world and to establish a system of National Representatives as a channel of communication. To develop liaison with international organizations such as UNESCO and with national chemical societies or chemical education committees.

\* Those appointed in 1964 at the establishment of the Committee

STANDING ORDERS OF EXECUTIVE COMMITTEE

REGARDING COMMITTEE ON PUBLICATIONS

Composition and Terms of Office

- (i) There shall be a standing Committee on Publications composed of a Chairman and at least three and not more than five other Members, of whom one shall be the Scientific Editor.
- (ii) The President in consultation with the Executive Committee shall appoint Members. The Committee on Publications may propose names of persons suitably qualified for appointment.
- (iii) The maximum period of service of Members shall be eight years, except that by special permission of the President one of the Foundation Members\* may serve for ten years and one for twelve years.
- (iv) In order to ensure continuity, except for the Scientific Editor, Members shall be replaced at two-year intervals, beginning in 1975, one Member at a time.
- (v) The President in consultation with the Executive Committee shall appoint the Chairman. The Committee on Publications may propose candidates.
- (vi) The period of service of the Chairman shall not exceed eight years. The sum of years of service as a Member and as Chairman shall not exceed ten years.

Terms of Reference

- (i) To advise the President and the Executive Committee on all matters of publications including policy.
- (ii) To make recommendations for decision by the President and/or Executive Committee.

\* Those appointed in 1969 at the establishment of the Committee

STANDING ORDERS OF EXECUTIVE COMMITTEE  
REGARDING COMMITTEE ON STATUTES AND BYLAWS

Composition and Terms of Office

- (i) There shall be a standing Committee on Statutes and Bylaws composed of a Chairman and four other Members.
- (ii) The President in consultation with the Executive Committee shall appoint Members. The Committee on Statutes and Bylaws may propose names of persons suitably qualified for appointment.
- (iii) The maximum period of service of Members shall be eight years.
- (iv) In order to ensure continuity Members shall be replace at two-year intervals, beginning in 1975.
- (v) The President in consultation with the Executive Committee shall appoint the Chairman. The Committee on Statutes and Bylaws may propose candidates.
- (vi) The period of service of the Chairman shall not exceed eight years. The sum of the years of service as a Member and as Chairman shall not exceed ten years.

Terms of Reference

- (i) To advise the President and Council on the Statutes and Bylaws of the Union and to prepare modifications thereto arising from proposals of the Executive Committee, Bureau, and Council.
- (ii) To comment on request to the President or Executive Committee on questions relating to the interpretation of Statutes and Bylaws.

APPOINTMENTS MADE BY PRESIDENT SINCE XXX BUREAU MEETING

International Symposium on Selective Ion-Sensitive Electrodes  
(Cardiff, 73.4.9-12)

- Prof. R. G. Bates

IV International Conference on Solid Compounds of Transition Elements  
(Geneva, 73.4.9-13)

- Prof. H. Nowotny

Conference on Advances and Future of Macromolecular Science  
(High Tatras, Starý Smokovec, 73.5.15-17)

- Prof. H. Benoit

XV International Conference on Coordination Chemistry  
(Moscow, 73.6.25-30)

- Prof. L. Malatesta

IV Canadian Wood Chemistry Symposium  
(Quebec, 73.7.4-6)

- Dr. P. R. Gendron

IUPAC-IUFoST Symposium on Contribution of Chemistry to Food Supplies  
(Hamburg, 73.8.29-31)

- Dr. H. Egan

International Symposium on Macromolecules  
(Aberdeen, 73.9.10-14)

- Prof. H. Benoit

APPENDIX E

IUPAC SPONSORSHIPS APPROVED BY CORRESPONDENCE  
THROUGH EXECUTIVE COMMITTEE SINCE  
XXX BUREAU MEETING

XI European Congress on Molecular Spectroscopy  
(Tallinn, 73.5.28-73.6.1)

XII Prague Microsymposium on Macromolecules: Organized Structure  
in Polymer Solutions and Gels  
(Prague, 73.8.20-23)

XIII Prague Microsymposium on Macromolecules: Transformations of  
Functional Groups on Polymers  
(Prague, 73.8.27-30)

IX International Conference on Chemistry of Natural Products  
(Ottawa, 74.6.24-28)

II International Symposium on Chemistry of Nonbenzenoid Aromatic  
Compounds  
(Lindau, 74.9.23-27)