

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF LXXIV MEETING OF EXECUTIVE COMMITTEE

HELD AT LE BISCHENBERG, STRASBOURG

ON

SATURDAY, 23 SEPTEMBER 1972, 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	
Prof. N. M. Emanuel	

ABSENT:

Prof. G. Sartori

IN ATTENDANCE:

Prof. W. Kemula (in part)	
Dr. M. Williams	- Executive Secretary

INDEX

<u>Minute No.</u>		<u>Page</u>
32/72	Finalization of Agenda	1
33/72	Minutes of LXXIII Meeting of Executive Committee	1
34/72	Items from Agenda of XXX Meeting of Bureau Requiring Discussion, Resolution, or Recommendation by Executive Committee	3
35/72	Terms of Reference of Standing Committees	5
36/72	IUPAC Representatives on Other Organizations	5
37/72	Relationship Between IUPAC and IUB	8
38/72	Dissemination of Information About IUPAC	8
39/72	Evaluation of Worldwide Job Situation for Chemists	9
40/72	Proposed Environmental Period	9
41/72	Letter from Prof. Sunner	9
42/72	Date and Place of Next Meeting	10

Minute 32/72

FINALIZATION OF AGENDA

A letter of apology for nonattendance, because of illness, had been received by the Chairman from Prof. Sartori.

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

Minute 33/72

MINUTES OF LXXIII MEETING OF EXECUTIVE COMMITTEE

33.1/72 Approval of Minutes

No matters of dissention having been raised, it was Resolved:

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

33.2/72 Matters Arising from Minutes

33.2.1/72 Tax-free Status of IUPAC in Canton of Zürich

Following the official granting of tax-free status to the Union in the Canton of Zürich on 24 December 1971, it had become possible to obtain a refund, retrospective to the start of 1971, of taxes deducted on dividends. The Treasurer reported that the refund amounted to \$468.68 from USA and Sw.Fr.560.00 from Switzerland. An attempt was now being made to reclaim taxes deducted in UK on royalties from Butterworths.

Prof. Horn reminded the Executive Committee of the recommendation of Kantonaless Steueramt Zürich, viz. that IUPAC Statute 4.3 be changed so that it was unnecessary for Council to reconsider every fourth year the location of the official headquarters of the Union. After some discussion of the desirability of such a change, it was suggested Statute 4.3 might be reworded as follows:

"The official headquarters of the Union shall be in Zürich until otherwise decided by the Council. Any change of location requires a majority of two-thirds of the votes recorded at a meeting of Council."

It was agreed to refer the matter for consideration in the forthcoming review of IUPAC Statutes.

33.2.2/72 Outstanding Subscriptions from Brazil

The Treasurer reported that in addition to the \$450 received from Brazil in 1971, \$450 had been paid in 1972. In terms of the recent resolution of the Executive Committee (Minute 11/72, LXXIII/EC), this meant that the 1969 subscription (\$800) could now be considered fully cleared, but a residue of \$350 remained outstanding from the 1970 subscription (\$450). The subscriptions for 1971 (\$450) and 1972 (\$400) were also outstanding.

It was Resolved:

that the Treasurer inform Associação Brasileira de Química the total amount of subscriptions outstanding to IUPAC is \$1,200.

Prof. Horn gave details of subscriptions currently unpaid by various National Adhering Organizations. This loss of income might curtail the work of the Union. The Executive Committee agreed that, in future, payment of annual subscriptions should be requested by 30th April each year.

33.2.3/72 Committee on Statutes and Bylaws

The President reported that he had approved proposals from Sir David Martin (Chairman) regarding membership of the Committee on Statutes and Bylaws, viz. Mr. J. Brocart (France), Dr. A. L. G. Rees (Australia), Prof. H. Suomalainen (Finland), Dr. G. Waddington (Canada).

Prof. Bénard presented a draft schedule of actions leading to the presentation of recommendations for revision of the IUPAC Statutes (1965) for consideration by Council in 1975. Subject to minor amendments, the schedule was approved by the Executive Committee. Members of the Bureau, Officers of Standing Committees, and Division Presidents and Secretaries would be asked to submit suggestions, before 31st December 1972, as to any parts of the Statutes which might need revision or amplification. They would also be invited to suggest any changes in principle in the Statutes.

Dr. Rees drew attention to the existence in recent minutes of meetings of the Executive Committee and Bureau of a number of items which should be considered in the forthcoming review of Statutes.

33.2.4/72 Interdivisional Committee on Nomenclature and Symbols

Further to recommendations at the previous meeting of the Executive Committee (Minute 15/72, LXXIII/EC), Prof. Bénard had appointed the following members for the ad hoc Committee on Nomenclature and Symbols: Prof. N. Lozac'h (France), Prof. W. C. Fernelius (USA), Prof. O. Hoffmann-Ostenhof (Austria), Prof. M. L. McGlashan (UK), Prof. B. C. L. Weedon (UK).

Dr. Rees suggested that the ad hoc Committee should consult the Interdivisional Committee on Machine Documentation in the Chemical Field, regarding the need for modification of present formulation procedures to give nomenclature for easier computer use.

33.2.5/72 Obituaries in Information Bulletin

The Executive Committee had previously decided against including obituaries in the Information Bulletin when announcing deaths of IUPAC colleagues (Minute 20.5/72, LXXIII/EC). A suggestion that a reference might be included to where an obituary could be found, was not

accepted. However, it was agreed that in future this section of the Bulletin should have as introductory wording "We have been informed of the death of:" and dates be given for the relevant period of membership of an IUPAC body.

33.2.6/72 Coordination of Microbiological Programme Activities

The President of the Applied Chemistry Division, Dr. Cairns, had proposed active cooperation of the Union with the Protein Advisory Group of WHO/FAO/UNICEF. This might be best achieved by nominating a representative from the Fermentation Industries Section of IUPAC.

Minute 34/72

ITEMS FROM AGENDA OF XXX MEETING OF BUREAU REQUIRING DISCUSSION, RESOLUTION, OR RECOMMENDATION BY EXECUTIVE COMMITTEE

The following items from the agenda were considered:-

4.1 Current Financial Status

The Treasurer reported that the market value of the Union's shares and bonds was \$320,000 (at 30th June 1972), and the interest this year should be \$5,900. He recommended that, as soon as possible, IUPAC should again invest money to build up the reserves. The US-dollar account had now increased from \$9,000 (at 1st January 1972) to \$55,000, the Swiss francs account from Fr.30,000 to Fr.38,000, the sterling account from £300 to £5,000. The total assets of the Union were therefore presently about \$370,000, which constituted a much improved financial situation from that at the beginning of the year.

Prof. Horn stressed the need to recruit more Company Associates, especially from such chemically advanced countries as Canada, France, Netherlands, Sweden, and Switzerland. A personal approach was needed by prominent chemists from IUPAC. A brochure to assist their efforts was in course of preparation.

(4.2 Revised Budget for 1973

(5.2 Arrangements for XXVII IUPAC Conference (1973)

The Treasurer reported briefly on his visits to Hamburg and Munich with the Assistant Secretary and subsequent developments. His recommendation that the 1973 Conference be held at the Holiday Inn, Munich, had been approved by the IUPAC Officers and was now endorsed by the Executive Committee.

The 1973 IUPAC Budget (as of 10th August 1972) showed a deficit of \$17,761 (about DM 55,000). Although this was less than the deficit limit of \$20,000 proposed by the Finance Committee for a Conference year, Prof. Horn hoped to reduce it further with subsidies for the XXVII Conference from:

City of Munich	8,000
Verband der Chemischen Industrie eV (Frankfurt)	20,000
Verband der Chemischen Industrie eV (Landesverband Bayern)	2,000
Deutsche Forschungsgemeinschaft	10,000
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	DM 40,000
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In addition, he had decided that coffee and tea would not be provided by the Union at meetings of IUPAC bodies during the Conference.

Concern was expressed that the contemplated per diem allowance of \$20 would not cover basic subsistence costs in Munich. After discussion of the effect on the 1973 Budget of raising the allowance, it was Resolved:

- (i) that the per diem allowance in 1973
be not less than \$23, any further increase to be decided after the Treasurer has made a detailed financial appraisal and recommendation to the President;
- (ii) that the Treasurer makes arrangements in future, particularly for the XXVII IUPAC Conference, for persons wishing to receive their per diem allowance in the currency of the country where a IUPAC meeting is held, to be paid in cash during the meeting.

11 Publications

Sir Harold Thompson referred to the minutes of a meeting of the Committee on Publications in London on 21st April 1972 (Bureau agenda item 11.1), especially the discussion on future IUPAC publishing policy. He had prepared his own report on IUPAC publications (as of 14th August 1972), which was at present included only in the Executive Committee files at Strasbourg. Sir Harold Thompson went briefly through the various sections of this report, emphasizing his guidelines for the future.

Prof. Bénard asked the meeting for comments on views expressed by some members of IUPAC on the possible discontinuation of Pure and Applied Chemistry and the Comptes Rendus. There was general agreement that the present publications should continue and the guidelines suggested by Sir Harold Thompson were adopted by the Executive Committee. Furthermore, it was decided that Sir Harold Thompson's report should be distributed to the Bureau at Strasbourg. Prof. Horn expressed satisfaction with IUPAC publications activities now that financial statements showed there to be a surplus each year.

Minute 35/72

TERMS OF REFERENCE OF STANDING COMMITTEES

35.1/72 General

It was decided that Standing Orders for Standing Committees of IUPAC should have a general conformity and be seen by the Committee on Statutes and Bylaws before final adoption by the Executive Committee.

35.2/72 Committee on Teaching of Chemistry

Draft Standing Orders for the Committee on Teaching of Chemistry had been revised and were acceptable to that Committee. The revised Standing Orders were approved in principle by the Executive Committee and referred for the attention of the Committee on Statutes and Bylaws.

35.3/72 Committee on SCOPE

Some points of concern were expressed about draft Standing Orders for the Committee on SCOPE. The Secretary General and Executive Secretary were asked to revise the draft.

35.4/72 Committee on Publications

Draft Standing Orders prepared by the Committee on Publications were considered. Subject to minor amendments, the draft was approved in principle by the Executive Committee and referred for the attention of the Committee on Statutes and Bylaws.

35.5/72 Committee on Statutes and Bylaws

Draft Standing Orders for the Committee on Statutes and Bylaws were approved in principle by the Executive Committee and referred for the attention of the Committee on Statutes and Bylaws.

35.6/72 Other Standing Committees

Prof. Bénard reported that action was being taken to prepare draft Standing Orders for the Coordinating Committee for Analytical Methods for CEE and IARC, the Interdivisional Committee on Machine Documentation in the Chemical Field, the Interdivisional Committee on Nomenclature and Symbols (or its successor), and the IUPAC-IUB Commission on Biochemical Nomenclature.

Minute 36/72

IUPAC REPRESENTATIVES ON OTHER ORGANIZATIONS

36.1/72 COWAR

The President reported that Mr. B. Göransson had asked to be replaced as official representative of IUPAC on COWAR. His appointment of Prof. E. A. Pearson (Section on Water Quality) as the new representative was ratified by the Executive Committee. The appointment would be reviewed in September 1973 by the new President of the Union (see Minute 18.1/72, LXXIII/EC).

36.2/72 Inter-Union Commission on Spectroscopy

Two IUPAC representatives on the Inter-Union Commission, Prof. R. C. Lord and Sir Harold Thompson, completed their three-year term at the end of 1971. On advice from the Physical Chemistry Division, Prof. Bénard had appointed Profs. A. R. H. Cole and Y. Morino (Commission on Molecular Structure and Spectroscopy) as the replacement representatives. These appointments were ratified by the Executive Committee with the proviso that they be reviewed in September 1973.

36.3/72 Report on ISO/TC 47/SC 3 (Reagents for Chemical Analysis)

Dr. W. I. Stephen had represented IUPAC at a meeting of ISO/TC 47/SC 3 in London on 13-14 January 1972. His report criticized the progress made, but recommended that liaison be maintained by IUPAC. On the advice of the Analytical Chemistry Division, the Executive Committee agreed to continue this liaison for the present.

Dr. Rees suggested that the President should make personal contact at the highest possible level in ISO to ensure good collaboration between our two organizations and minimal overlap in work programmes.

36.4/72 Report on 1972 General Assembly of Federation of European Chemical Societies (Prof. Kemula in attendance)

Prof. Kemula, who had represented IUPAC at the General Assembly, reported briefly on some aspects of the deliberations. Much discussion had been devoted to publications and a proposal to establish European Chemical Reports. Regarding suggestions to organize Working Parties on Catalysis and Organometallic Chemistry, Prof. Kemula had pointed out the need to avoid overlap with existing IUPAC activities.

The Executive Secretary drew attention to the following points in the draft minutes of the General Assembly:

- (a) The decision to allow the Israel Chemical Society to send an observer to meetings of the Federation, even though Israel was not a European country.
- (b) The possibility of establishing a Working Party on Food Chemistry.
- (c) The aims of the Working Party on Analytical Chemistry, which included

"The collection and study of analytical methods to be recommended for environmental problems. It had been agreed that these methods should be the same in all countries (because of common rivers, for example) and a group under the chairmanship of Prof. H. Malissa had been set up for this work."

With regard to (a), the Executive Committee decided to watch carefully for any future expansion of the Federation outside Europe. Concerning (c), there would be complete overlap with the work of the ICSU Scientific Committee on Problems of the Environment (SCOPE) and the activities of the IUPAC Sections on Air Quality and Water Quality.

It was Resolved:

- (i) that the President should inform the European Federation of Chemical Societies that unless its activities on environmental problems are discontinued, Associated Organization status of IUPAC will be withdrawn;
- (ii) that copies of the letter to the Federation be sent to the President and Secretary of its member societies.

36.5/72 Report on 1972 Meeting of COSPAR

The files for the meeting contained a report from Dr. A. Perez-Masiá, IUPAC representative at the XV Plenary Meeting of COSPAR (Madrid, 10-14 May 1972). The Executive Committee reaffirmed its previous decision not to appoint a permanent representative to COSPAR (see Minute 18.3/72, LXXIII/EC), and found it unnecessary to send an informative note on COSPAR to the National Adhering Organizations.

36.6/72 XXV Anniversary of WHO

In 1973 WHO would celebrate its twenty-fifth anniversary and a contribution to the marking of this anniversary by IUPAC had been solicited. The Executive Committee agreed to defer any decision pending the availability of more information.

36.7/72 ICSU Executive Committee

In presenting his report on the XIV General Assembly of ICSU (Helsinki, 16-21 September 1972), Dr. Rees mentioned:

- (i) IUPAC's application for a supplementary grant of \$4,000 in 1973 had been rejected.
- (ii) Collaboration with UNESCO into the implementation phase of the UNISIST programme was reaffirmed. In this respect it was important that those IUPAC bodies concerned should establish contact with the ICSU policy group on this matter.
- (iii) Extension of CODATA's operations into time- and location-dependent data was proposed. The IUPAC representative should be briefed on the attitude to be adopted on this issue.
- (iv) The Assembly reaffirmed its policy of political and racial non-discrimination and asked the Executive Board to explore the problem of migration of scientists. IUPAC was invited to forward any proposals on this issue to ICSU.

Prof. Bénard had been designated as the new representative of IUPAC to ICSU, at least until September 1973.

Minute 37/72

RELATIONSHIP BETWEEN IUPAC AND IUB

37.1/72 Enzyme Nomenclature Report

After critical comparison of various quotations for publishing the new report on Enzyme Nomenclature, Sir Harold Thompson had reluctantly concluded that the offer of Elsevier should be accepted. A draft agreement for signature by IUB and IUPAC had been modified to meet most of his requirements.

In order to be comparable with the Union's contract with Butterworths, it was Resolved:

that an agreement with Elsevier for publication of the Enzyme Nomenclature Report be signed by IUPAC if royalties of 10% be made payable on the volume in the Comprehensive Biochemistry series and on the soft cover edition.

The Executive Secretary mentioned that, contrary to previous agreement between the Commission on Quantities and Units in Clinical Chemistry and the IUPAC-IUB Commission on Biochemical Nomenclature, the latter body had now modified unilaterally some recommendations in the Enzyme Nomenclature Report. It was agreed to refer the matter for the advice of the Chairman of the Clinical Chemistry Section at the Bureau meeting on 24-25 September 1972.

37.2/72 Future Cooperation

Prof. Bénard reported that it had not yet proved possible to arrange the meeting between the IUPAC delegation and Officers of IUB (see Minute 20.2/72, LXXIII/EC).

Minute 38/72

DISSEMINATION OF INFORMATION ABOUT IUPAC

38.1/72 Revised Version of "IUPAC - What it is - What it does - How it works - How it is financed"

The Executive Secretary reported that, after receiving final comments from members of the Executive Committee, the revised manuscript had been distributed for publication in all 44 countries adhering to the Union.

38.2/72 Brochure for Company Associates Scheme

Draft wording by Mr. Arnold for the brochure had been revised after circulation to the Finance Committee and Officers of the Applied Chemistry Division. It was agreed that the amended draft would be open for comment by the Executive Committee for one month after the present meeting, then the brochure should be prepared for printing.

38.3/72 DISSEMINATION OF NEWS ITEMS ABOUT IUPAC

Prof. Bénard stressed the need to improve propaganda about IUPAC activities and referred to a memorandum prepared by the Executive Secretary.

Following an initiative of the Committee on Publications, a scheme had been instituted for disseminating from the Secretariat news about IUPAC for publication in national chemistry journals. Based on the advice of National Adhering Organizations, news was currently being sent to some 21 countries. The success of the scheme would be evaluated in due course, with a view to extending it to all member countries of the Union.

In addition, a document from the Analytical Chemistry Division summarizing its activities and giving details of the Officers of its Commissions had been published in a number of specialist international journals for that field. An updated version would be produced from time to time. Compilation of similar documents from other Divisions was being encouraged.

Minute 39/72

EVALUATION OF WORLDWIDE JOB SITUATION FOR CHEMISTS

Dr. O. Isler (Bureau) had submitted a memorandum, enquiring if the unemployment of chemists in various industrialized countries was serious enough for IUPAC to take up the problem. The Executive Committee deemed the matter to be more appropriate for professional bodies within an organization like the Federation of European Chemical Societies.

Minute 40/72

PROPOSED ENVIRONMENTAL PERIOD

Dr. Gallay drew attention to the "Proposed Environmental Period", which was essentially a followup to the UN Conference on the Human Environment (Stockholm, June 1972), and in which ICSU would be involved. It was agreed to circulate relevant documentation in readiness for discussion at the next meeting of the Executive Committee.

Minute 41/72

LETTER FROM PROF. SUNNER

The Chairman of the Commission on Thermodynamics and Thermochemistry reported (by letter) that Prof. F. D. Rossini would leave the Commission after the 1973 Conference. He raised the question of whether the longterm service which Prof. Rossini had given to the Union should be recognized. Prof. Bénard agreed to mention the matter on an appropriate occasion during the Conference.

Minute 42/72

DATE AND PLACE OF NEXT MEETING

Subject to satisfactory hotel rates being negotiated, the next meeting of the Executive Committee would be at Villefranche-sur-Mer on 2-3 March 1973.

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The Meeting closed at 14.45

CHAIRMAN:

DATE:

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29 March 73