

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 88TH MEETING OF EXECUTIVE COMMITTEE

HELD AT PALACE OF CULTURE, WARSAW

ON

WEDNESDAY, 17TH AUGUST 1977, 9.00-17.00

PRESENT:

Dr. R. W. Cairns	- President, in the Chair
Prof. G. Smets	- Vice-President
Prof. G. Ourisson	- Secretary General
Prof. O. Horn	- Treasurer
Prof. N. M. Emanuel	- (in part)

ABSENT:

Prof. Sir Harold Thompson	- Past-President
Prof. Sir Derek Barton	
Prof. H. Suomalainen	

IN ATTENDANCE:

Prof. N. Lozac'h	- Chairman, Commission on Nomenclature of Organic Chemistry (in part)
Dr. J. W. Barrett	- Chairman, Finance Committee (in part)
Dr. H. Egan	- (in part)
Dr. M. Williams	- Executive Secretary

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Minute 17/77

INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

In his opening remarks Dr. Cairns said that Prof. Suomalainen was unable to be present for health reasons, but he hoped to be active again in the near future.

The following items were added to the agenda circulated by the Executive Secretary (77.07.15) before the meeting:

- 2.2.7 Appointments to Division/Section Committees (Minute 10.3/77)
- 11.1 Matters Raised by British National Committee for Chemistry
- 11.2 50th Year Celebration of Colombian National Chemical Laboratory

Minute 18/77

MINUTES OF 87TH MEETING OF EXECUTIVE COMMITTEE

18.1/77 Amendments and Approval of Minutes

The Minutes of the 87th Meeting of the Executive Committee were approved, subject to correction of "Prof. J. C. Richer (Canada)" to "(France)" in Minute 10.2/77 (as advised by letter of 77.06.06 from Prof. N. Lozac'h). A letter from Prof. A. Perez-Masiá (dated 77.06.27), expressing concern about the language of Minute 4.1/77, was noted: the Secretary General was asked to inform Prof. Masiá that the language perfectly reflected the statutory position of IUPAC.

18.2/77 Matters Arising from Minutes

18.2.1/77 Recommendations of Usage of the Terms "Equivalent" and "Normality"
(Minute 2.2.2/77)

The Executive Secretary reported that, as a result of the meeting at York (77.03.17) between Profs. H. M. N. H. Irving, T. S. West, and D. H. Whiffen, an agreed IUPAC view was developed and presented to the ISO/TC 12 - ISO/TC 47 - IUPAC ad hoc Group (Milan, 77.06.07). ISO/TC 47 had supported fully the IUPAC view, but ISO/TC 12 had reserved its position for the present. It was anticipated that IDCNS would be able to recommend Council at Warsaw to approve IUPAC final recommendations on the matter, which would also prove satisfactory to ISO as a whole.

18.2.2/77 SCOPE (Minute 2.2.4/77) (Dr. Egan in attendance)

Dr. Egan reported briefly on the SCOPE Executive Committee meeting (London, 77.05.02-04) to which he had been invited as IUPAC observer. It was unlikely that IUPAC would be successful in pressing his membership claims to fill the vacancy on that body: a person from a developing country was required, preferably with chemical expertise. The suggestion of Prof. Ourisson was accepted, to write to Prof. G. Eglinton (UK) and Prof. D. Welte (FRG) seeking suggestions of suitable chemists from developing countries. Prof. Ourisson would also advise SCOPE that, although there were no immediate IUPAC experts available, Profs. Eglinton and Welte might be able to comment critically on the proposed continuation of the SCOPE nitrogen cycle project.

18.2.3/77 Revision of IUPAC Organic Nomenclature Rules (Minute 2.2.5/77)
(Prof. Lozac'h in attendance)

Chemical Abstracts Service had completed its work on the revision and the results had been considered by the Commission on Nomenclature of Organic Chemistry at Jablonna immediately before the General Assembly in Warsaw. The work of CAS constituted the basis on which the Commission, over the next four years or so, could develop a new and simplified, more uniform system of organic nomenclature rules (Section G: General Rules for a Structure-based Substitutive Nomenclature). Prof. Lozac'h reassured Dr. Cairns that there would not be any dominance of CAS views over those of IUPAC in this important future project of the Union.

18.2.4/77 Commission of Editors of Chemical Journals (Minute 3.3/77)

Rather than try to set up immediately a Commission of Editors of Chemical Journals, Prof. Ourisson reported that the Committee on Publications at Warsaw had unanimously agreed to recommend to the Executive Committee an international technical seminar, with attendance limited to editors of primary and secondary journals in chemistry, publishers, bodies like the Institute for Scientific Information, but not authors in general nor readers, should be organized by IUPAC in late 1978 or early 1979. It was necessary first, however, to check on the deliberations of the 1st International Conference of Scientific Editors (Jerusalem, 77.04.24-29). Dr. Cairns was anxious that any IUPAC seminar should consolidate its views and make them known more widely than was apparent from Jerusalem. The Executive Committee approved, in principle, the technical seminar but requested a more detailed proposal before final granting of IUPAC sponsorship.

18.2.5/77 Recommendation on "katal" (Minute 3.3.1/77)

The IDCNS draft regarding "katal" had been considered at the inaugural meeting of the new IUB-IUPAC Joint Commission on Biochemical Nomenclature (Lübeck, 77.06.13-15). JCBN strongly and unanimously preferred the name "catalytic activity" to "catalytic ability". Provided that the name "activity" was used, JCBN had no objection to the IDCNS proposal that the name "katal" and the symbol "kat" should be recognized for this quantity. The Executive Committee decided to defer discussion of the matter to the Bureau meeting on the following day, when the Chairman of IDCNS would be present.

18.2.6/77 Subscriptions from National Adhering Organizations (Minute 4.1/77)

Sociedad Química de México had agreed to look into the possibility that Consejo Nacional de Ciencia y Tecnología might accept financial responsibility for Mexican membership of IUPAC. The Secretary General would reiterate his proposal to SQM for IUPAC to write directly to the President of CONACYT about the matter.

The Treasurer would shortly be sending out reminder letters to those countries with outstanding subscriptions. Unless its 1976 subscription was paid by 31 December 1977, Associação Brasileira de Química would automatically cease to be a member of the Union (Statute 9.2)

18.2.7/77 Appointments to Division/Section Committees (Minute 10.3/77)

Pending a future revision of the Statutes, the Executive Committee agreed to recommend the following additional paragraph to B4.103, based on the wording for Commissions (B4.304), be adopted by the Bureau pro tem to

cover the situation:

"A newly elected Member of a Division or Section Committee shall assume office only after approval by the Bureau or Executive Committee and by the Adhering Organization with which the Member is connected."

This change to the Bylaws should be proposed to Council in 1979.

Minute 19/77

MINUTES OF MEETING OF CHEMRAWN PLANNING COMMITTEE

The Minutes of the Meeting of the CHEMRAWN Planning Committee held in Zurich (77.02.16) were recorded as having been received officially by the Executive Committee. In view of its previous deliberations (Minute 3.6/77, 87th Executive Committee - Washington), no further discussion was deemed necessary.

Minute 20/77

FINANCIAL MATTERS

20.1/77 Ratification of Policy for Travel Expenses from a Location other than a Person's Regular Residence

A postal vote within the Executive Committee, regarding reimbursement of travel expenses from a location other than a person's regular residence, had favoured reimbursement only if the person was away for more than one year. That decision was reconfirmed by the Executive Committee as the general guideline for all future IUPAC meetings, except that the period of absence need only be for more than six months.

20.2/77 Reconsideration of Subscription Situation of Poland

The Executive Committee reaffirmed its previous decision (Minute 3.4.1/76, 85th Meeting - Villefranche) that, for 1978 onwards, Poland must pay the whole of its annual subscription (Category B2) in US-dollars. The Treasurer indicated that the money derived in 1975-7 from partial payment of the Polish subscription in zlotys had been used to pay some local expenses at the Warsaw General Assembly and subsistence allowances for some participants from East-European countries.

Minute 21/77

ITEMS FROM AGENDAS OF 37TH BUREAU AND 29TH COUNCIL MEETINGS REQUIRING DISCUSSION, RESOLUTION, OR RECOMMENDATION BY EXECUTIVE COMMITTEE

Council Item 3: Announcement of Nominations for Officers and Bureau Members

Dr. Cairns indicated that he wished to ask the Bureau to nominate Sir Derek Barton as an additional candidate for election to the Bureau (B2.222). It was noted that Sir Derek was no longer resident in UK, having recently moved to work in France.

The Executive Committee agreed to recommend to the Bureau:

- (i) that there should be 2 Elected Members of the Bureau during the period 1977-9 (Statute 7.2);

- (ii) that the elections should take place at 10.00 on 21 August 1977;
- (iii) that the Secretary General, Treasurer, and Dr. W. Spindel (nonvoting Secretary to the USA-delegation) should act as tellers for the elections.

On the basis of a written and secret ballot, from which Prof. Horn abstained, the recommendations of the Executive Committee, via the Bureau, to Council for filling the 7 vacancies as Elected Members of the Bureau (Bylaw 2.222) were:

Dr. J. W. Barrett (UK)
Prof. Sir Derek Barton
Prof. A. Kjaer (Denmark)
Prof. J. Michalski (Poland)
Prof. L. Malatesta (Italy)
Prof. C. G. Overberger (USA)
Prof. C. N. R. Rao (India)

Prof. Horn said that he disagreed with a ballot by the Executive Committee because this would influence the voting by the Bureau, which alone had the right to make recommendations for filling the vacancies.

Council Item 8: Tentative Budgets for 1978 and 1979 (Dr. Barrett in attendance)

Dr. Barrett said that the Finance Committee had developed two alternative balanced budgets for 1978 (Appendix A to Minutes, Finance Committee - Warsaw). Depending on whether Council decided to raise the national subscriptions in 1978, there would be either US-\$175 000 or US-\$200 000 available for travel, subsistence, and administration of IUPAC bodies. No recommendation could yet be made whether any unspent Divisional monies should be carried over from 1977 to 1978.

A mechanism was proposed by the Finance Committee for allocation of travel, subsistence, and administration of IUPAC bodies from the 1978 budget (Appendix A to Minutes, Finance Committee - Warsaw). An initial allocation based on 1976 actual expenditures plus 10% inflation for each of 1977 and 1978 was envisaged, with the residue to be allocated by the Officers of the Union according to priorities submitted by the Presidents of the Divisions and Clinical Chemistry Section.

The tentative budget for 1979 (Appendix B to Minutes, Finance Committee - Warsaw) showed an excess of expenditure over income of US-\$34 300, which would be reduced to US-\$7 300 if national subscriptions were raised in 1978.

The Executive Committee was already on record as being in favour of raising national subscriptions in 1978 (Minute 3.5.2/77, 87th Executive Committee - Washington), and hence of Alternative II of the 1978 IUPAC General Purposes Budget. It asked that the allocation mechanism for 1978 should note the intention to restore to the Physical and Analytical Chemistry Divisions the monies withheld from their unspent Divisional funds at the end of 1976 (Minute 21/77, Finance Committee - Warsaw).

Council Item 9: Dues Structure and Fixing Annual Dues for 1978 and 1979 (Dr. Barrett in attendance)

Dr. Barrett presented a detailed proposal for raising the basic unit of national subscription by 15% for 1978 onwards (Appendix C - Part I to Minutes, Finance Committee - Warsaw). After careful consideration the Executive Committee decided to advise the Bureau to recommend Council simply to raise by 15% the present minimum subscriptions for Categories A3-C (inclusive), but to fix the minimum subscription for Category D at US-\$400 (Appendix A - Part I to Executive Committee Minutes).

The Finance Committee had also drawn up (Appendix C - Part II to Minutes, Finance Committee - Warsaw) a recommendation on the need for mandatory allocation of category (see Minute 3.4.7/76, 85th Executive Committee - Villefranche). The Executive Committee noted that Statute 3.3 precluded any possibility for Council at Warsaw to introduce mandatory category allocation. It agreed to ask the Bureau to recommend Council at Warsaw to envisage the necessary statutory changes in 1979 for introduction of mandatory category allocation, should all countries by then not have moved voluntarily into their correct categories (Appendix A - Part II to Executive Committee Minutes).

Council Item 13: Report of Committee on Publications

Prof. Ourisson reported briefly on the deliberations of the Committee on Publications at Warsaw, indicating important progress in reorganization of the publications structure of the Union. Dr. H. GrUnewald had been most successful in his leadership as the new Chairman of the Committee. The final royalty provided by Pergamon Press for 1976 was nearly 10% higher than the minimum guaranteed royalty of US-\$40 000.

It was strongly recommended for IUPAC to start in 1979 a new monthly news journal to replace the present Information Bulletin (and Appendixes) and Part B of the Comptes Rendus. A chemist-journalist should be appointed in the Secretariat to act as editor of the new journal and Information Officer of the Union. For 1978 an attempt should be made to incorporate into the present Bulletin the material normally issued as Appendixes thereto and as Part B of the Comptes Rendus from the Warsaw General Assembly.

Conversion to publication via camera-ready copy supplied by authors, instead of by traditional typesetting methods, was well advanced for all IUPAC publications, particularly Pure and Applied Chemistry. From the start of 1978 it was intended to publish those symposia papers available for each issue of PAC, rather than include all papers from a particular symposium in the same issue. It would be left for Pergamon to decide whether to publish subsequently a hardbound offprint from a symposium spread out over several issues of the journal. Nonsymposium review articles might also be solicited for PAC.

Profs. C. F. Cullis and D. N. Kirk had expressed concern at the extent of their duties as Scientific Editors of PAC. They would be invited to continue for 1978, but without change in their present workload. Contingency plans had been made should the invitation not be accepted. The solubility data project of the Analytical Chemistry Division constituted a major undertaking by the Union. It was progressing well and the first six volumes were expected for publication in 1978.

Full details of all proposals by the Committee on Publications would come forward in due course in the minutes of its meetings at Warsaw. Meanwhile, Prof. Ourisson would report briefly to the Bureau and Council at Warsaw as he had done to the Executive Committee.

Council Item 17: Proposals for New Bodies and Dissolution of Existing Bodies

The Executive Committee reaffirmed its previous agreement (Minute 11.2/77, 87th Meeting - Washington) to recommend, via the Bureau, to Council that the Commissions on Food Additives and on Food Contaminants be combined into a Commission on Food Chemistry at Warsaw. Also, the request that the Applied Chemistry Division should come forward with definite proposals for the creation of new Commissions was reiterated. This should not be done through a Commission on New Projects but by the Applied Chemistry Division Committee itself.

Minute 22/77

RECONSIDERATION OF POLICY FOR ALL IUPAC BODIES TO MEET AT GENERAL ASSEMBLY

In view of increasing financial costs to the Union, higher organizational workload for the Secretariat, greater commitment for the host country, and heavy pressures on several participants for a 10-day schedule, Dr. Cairns said it was necessary to reconsider the present policy for all IUPAC bodies to meet at the General Assembly in the year in which it was held.

The minimum schedule for a General Assembly appeared to be:

<u>Day 1</u>	<u>Day 2</u>	<u>Day 3</u>	<u>Days 4 & 5</u>
Division Presidents	Division Committees & Executive Committee	Bureau	Council & New Bureau/ Executive Committee

This would give Commissions freedom to meet elsewhere, independently of the General Assembly, possibly within the confines of an annual Divisional Contingency fund. It might even be feasible to reduce the minimum schedule to 4 days by allowing Division Committees to meet independently of the Assembly.

The Executive Secretary was asked to prepare a paper on the basis of a minimum schedule, with financial evaluation, for consideration by the Executive Committee at its next meeting. Subsequently the paper might be circulated for comment by Division Committees and Commissions, then be discussed by the Bureau in 1978. Any change in the present format of the General Assembly could probably not be introduced before 1981.

Minute 23/77

MEMBERSHIP OF FINANCE COMMITTEE

Further to the deliberations at its previous meeting (Minute 3.5.7/77, 87th Executive Committee - Washington), Dr. Cairns had appointed Prof. A. Björkman (Denmark) to the Chairmanship of the Finance Committee for a period of at least 2 years, and he had appointed Dr. P. J. Agius (UK) to fill the membership vacancy arising from the retirement of Dr. J. W. Barrett.

Minute 24/77

COMMITTEE ON PUBLICATIONS

24.1/77 Membership

The President reported that Prof. M. Nilsson (Sweden) had declined an invitation to fill the membership vacancy on the Committee on Publications. He had recently written to Prof. S. Claesson (Sweden), but no reply had so far been received.

Prof. Ourisson said that the Committee on Publications at Warsaw had decided to check on the intention of Dr. C. T. Bishop (Canada) to participate

in its 1978 and 1979 meetings, otherwise it would recommend he be replaced by Mr. T. H. G. Michael (Canada). The Committee would also recommend the appointment of Dr. D. P. den Os (Netherlands) at the completion of the term of Dr. L. C. Cross. Prof. Ourisson wished to retire from membership of the Committee and Dr. I. A. Williams (UK) had been suggested as a suitable replacement.

24.2/77 Consideration of Expansion of Terms of Reference

Because of financial constraints the Executive Committee had decided not to proceed with the proposal to create a Standing Committee on Scientific and Technical Communications (Minute 5.4/77, 87th Meeting - Washington). It had therefore been the intention of Dr. Cairns to suggest an enlargement of the terms of reference of the Committee on Publications to include consideration of longterm problems of primary communication of scientific information via the journal system. This was no longer necessary in view of the suggestion for IUPAC to organize an international technical seminar on such matters (see Minute 18.2.4/77).

Minute 25/77

AGENDA ITEMS NOT CONSIDERED

Because of lack of time, consideration of the following items of the agenda was deferred:

- 9 Review of Functioning and Staffing of IUPAC Secretariat
- 10 Standing Orders for Joint Commissions with Other International Unions
 - 10.1 IUB-IUPAC Joint Commission on Biochemical Nomenclature
 - 10.2 IUB-IUPAB-IUPAC Commission on Biochemical Thermodynamics
- 11 Any Other Business
 - 11.1 Matters Raised by British National Committee for Chemistry
 - 11.2 50th Year Celebration of Colombian National Chemical Laboratory

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CHAIRMAN:

f. L. ...

DATE:

April 3, 78

ANNUAL SUBSCRIPTIONS FROM NATIONAL
ADHERING ORGANIZATIONS

I. Rise in Subscription

The Executive Committee at its Meeting in Washington DC on 6th-7th March 1977 (Minute 3.5.2/77) agreed to recommend, via the Bureau, the Finance Committee's proposal for Council in Warsaw to raise the national subscriptions by 15% for 1978 onwards.

There has been no increase in the basic unit since 1974, despite the continued inflation world wide. Some increase to meet the inflationary costs of the Union is now essential.

The consequent changes in subscription for the various membership categories are shown in the attached table. The proposed subscriptions for Categories A3-C (inclusive) are calculated on a 15% increase in the present minimum category subscriptions. The proposed subscription for Category D is based on the cost of servicing a National Adhering Organization.

<u>Membership Category</u>	<u>Members</u>	<u>Minimum National Subscriptions</u>	
		<u>Present Situation</u>	<u>Proposed Situation</u>
A3	1	50 000	57 500
A2	4	21 500	24 725
A1	5	9 000	10 350
B2	6	3 500	4 025
B1	13	1 500	1 725
C	7	800	920
D	5	200	400
<u>Total income</u>		<u>US-\$223 400</u>	<u>US-\$268 795</u>

NOTE

Because some member countries now pay more than the category minimum, the full increase in subscription income of US-\$45 395 is unlikely to be achieved: it is more likely to be about US-\$27 000.

II. Allocation of Membership Categories

It has been policy since 1971 for each member country to assume the category appropriate to its national chemical turnover. 22 countries have been in their correct categories for some years. 7 more countries will have fully assumed their correct categories by the end of 1977, but the following countries will still not have achieved that objective:

	<u>Present Category</u>	<u>Correct Category</u>
France	A1	A2
German Democratic Republic	B2	A1
Netherlands	B2	A1
Poland	B2	A1
Spain	B1	A1
Argentina	B1	B2
Czechoslovakia	B1	B2
Brazil	C	B2
Republic of South Africa	B1	B2
Yugoslavia	C	B1
Ireland	D	C
Turkey	D	C

After these 12 countries have moved to their correct categories, an increase of annual subscription income to the Union of US-\$42 850 will result.

The Executive Committee recommends through the Bureau that Council be asked at Warsaw to envisage the necessary statutory changes in 1979 for the introduction of mandatory allocation of membership categories for 1980 onwards, should all countries not have voluntarily into their correct categories by 1st January 1979.