

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 85th MEETING OF EXECUTIVE COMMITTEE

HELD AT VILLEFRANCHE-SUR-MER

ON

MONDAY, 8 MARCH 1976, 9.00 - 17.40

TUESDAY, 9 MARCH 1976, 9.00 - 17.30

PRESENT:

Dr. R. W. Cairns	- President, in the Chair
Prof. Sir Harold Thompson	- Past-President
Prof. G. Smets	- Vice-President
Prof. G. Ourisson	- Secretary General
Prof. O. Horn	- Treasurer
Prof. Sir Derek Barton	
Prof. N. M. Emanuel	
Prof. H. Suomalainen	

IN ATTENDANCE:

Dr. J. W. Barrett	- Chairman of Finance Committee, Member of CHEMRAWN Planning Committee (in part)
Dr. B. W. Rossiter	- Chairman of CHEMRAWN Planning Committee, Member of Finance Committee (in part)
Dr. M. Williams	- Executive Secretary

I N D E X

<u>Minute No.</u>		<u>Page</u>
1/76	Introductory Remarks and Finalization of Agenda	1
2/76	Minutes of 83rd and 84th Meetings of Executive Committee	1
3/76	Minutes of Meetings of Bureau (34th and 35th), Council (28th), Division Presidents (5.09.75), Finance Committee (6.09.75 and 16-17.02.76), Committee on Publications (2.09.75), Committee on Teaching of Chemistry (4.5.09.75), CHEMRAWN ad hoc Working Group (10.01.76)	1
4/76	Statement of Accounts for 1975	8
5/76	Cost Analysis of 28th IUPAC Conference	9
6/76	Per Diem Subsistence Allowance	10
7/76	Future IUPAC General Assemblies and Congresses	11
8/76	Nomenclature Matters	11
9/76	Relations with Other Organizations	12
10/76	Nominations of New Members of IUPAC Bodies	15
11/76	Symposia: Representation, Sponsorship, Subvention	16
12/76	Publications	17
13/76	Date and Place of Next Meeting	19

Minute 1/76

INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

In his opening remarks, the President welcomed Sir Derek Barton, Prof. Ourisson, and Prof. Suomalainen to their first meeting as new Members of the Executive Committee.

At the request of the Secretary General and Executive Secretary, the following Agenda item was added to the listing in the file for the meeting:

12.12 26th IUPAC Congress (1977)

Minute 2/76

MINUTES OF 83rd and 84th MEETINGS OF EXECUTIVE COMMITTEE

2.1/76 Amendments and Approval of Minutes

The Minutes of the 83rd and 84th Meetings of the Executive Committee were approved.

2.2/76 Matters Arising from Minutes

2.2.1/76 Increasing Relationship with WHO and Financial Implications
(Minute 23.4/75, 83rd Meeting)

The Executive Secretary reported that he had not yet succeeded in ascertaining the extent of the expenses incurred by Prof. R. Bourdon, when representing IUPAC in a WHO Task Group on Environmental Health Criteria for Lead (Geneva: 23.04.75-5.05.75).

Minute 3/76

MINUTES OF MEETINGS OF BUREAU (34th and 35th), COUNCIL (28th), DIVISION PRESIDENTS (5.09.75), FINANCE COMMITTEE (6.09.75 and 16-17.02.76), COMMITTEE ON PUBLICATIONS (2.09.75), COMMITTEE ON TEACHING OF CHEMISTRY (4-5.09.75), CHEMRAWN AD HOC WORKING GROUP (10.01.76)

3.1/76 Minutes of 34th and 35th Bureau Meetings

Sir Harold Thompson said that he found the ISO method of expressing dates confusing. The Executive Committee agreed to revert to the well established European convention of 'day-month-year' for dates in all future Minutes.

In view of changes in the structure of the Applied Chemistry Division at the 28th IUPAC Conference, Dr. Cairns suggested that the full name of each Commission should be included in Appendix A of the Minutes of the 35th Bureau Meeting.

3.1.1/76 Freedom of Attendance at 26th IUPAC Congress (Minute 4/75, page 5, 34th Meeting)

A letter had been received from the Japanese National Committee of Chemistry (13.02.76) indicating that, after repeated discussions with the Ministry of Foreign Affairs, all bona fide chemists, including South Africans, who wished to participate in international conferences and congresses to be held in Japan, would be granted entrance visas. In view of the implications, the Secretary General was asked to bring the letter to the attention of the ICSU Committee on Free Circulation of Scientists.

3.1.2/76 Interunion Commission on Biothermodynamics (Minute 9/75, 34th Meeting)

A suggested function and structure for the Interunion Commission was examined by the Executive Committee. The proposed tasks and membership were approved. Regarding publishing and sponsorship activities, the agreement previously reached with IUB in respect of the IUPAC-IUB Commission on Biochemical Nomenclature (Minute 14/73, LXXV Executive Committee (Villefranche)) should be retained, viz. the Executive Committees of the three parent Unions must approve all reports and recommendations of the Interunion Commission and their manner of publication. Concerning finance, IUPAC would pay the travel and subsistence expenses of its two regular members to attend one meeting each year, provided locations were chosen to minimize the overall costs. Also, IUPAC would pay one-third of the administration expenses, provided the total did not exceed \$500. As a general principle, IUPAC did not provide travel and subsistence support for associate members of Commissions.

In accordance with Statute 10.5, it was recommended that the Interunion Commission should be attached within IUPAC to the Physical Chemistry Division.

3.1.3/76 Proposed Division of Health and Environmental Chemistry (Minute 10/75, 34th Meeting)

Nominations were considered from the Division Presidents for membership of the ad hoc Committee to look, in detail, into the proposal and its implications for the Union. After careful consideration, the following membership was approved by the Executive Committee: Prof. G. Smets (Chairman), Prof. E. J. Ariëns, Prof. Sir Derek Barton, Dr. H. Egan, Prof. N. K. Kochetkov, Prof. P. Lous. The ad hoc Committee should meet just prior to the 1976 meeting of the Bureau and its Chairman should then report to the Bureau.

3.1.4/76 Interdivisional Communications (Minute 11/75, 34th Meeting)

The Secretariat had recently requested each Division President to compile a listing of current projects within each Commission of his Division, based on specimen material supplied by Dr. H. Egan of the Applied Chemistry Division. Sir Harold Thompson felt that it would be unnecessary to include names of project coordinators or of completion-review dates, when the project listings were circulated eventually within the Union. However, a note should be added to each Division listing, drawing attention to projects of interdivisional interest. Prof. Ourisson stressed that all the data requested by the Secretariat would be useful for the 1976 meeting of Division Presidents, at which there was to be a discussion on how to improve the efficiency of IUPAC and how to delineate better the various tasks of the Division Presidents.

In the view of the British National Committee for Chemistry (letter dated 24.02.76), it was most important to have cross-representation on, or attendance at meetings during the General Assembly of, different Commissions as well as liaison between one or more particular Division Committee members and Commissions. The Executive Committee felt that the increasing tendency to hold joint meetings of Commissions at the General Assembly, when there were matters of common interest for discussion, should meet the concern of BNCC. In addition, an annual circulation of current projects within each Division should improve general awareness of IUPAC activities and help to avoid overlaps.

3.1.5/76 Involvement of Younger Chemists in IUPAC Affairs (Minute 13/75, 34th Meeting)

Copies of the brochure circulated to university laboratories, scientific institutions, and chemical industry in UK, to solicit applications for the Wates Bursaries Scheme, were tabled by Sir Harold Thompson. There had been an excellent response, many applicants possessing first class credentials. Selections for 5-8 awards in 1976 would take place shortly. Sir Harold Thompson expressed the hope that similar initiatives would be undertaken in other member countries of the Union.

3.1.6/76 Names for Elements 104 and 105, and for 106 Onwards (Minute 15/75, 34th Meeting)

Concerning the request of the Bureau for Prof. J. Lewis to convene a meeting of the neutral group of experts, he had written initially to seek the views of Prof. U. Stille and Prof. A. Baumgartner. Prof. Stille was now critically ill, but Prof. Lewis had not heard from Prof. Baumgartner in reply to any of his letters. The Executive Committee agreed that the President of IUPAC should write:

- (i) to the President of IUPAC, inviting him to propose replacements for Profs. Stille and Baumgartner;
- (ii) to the American and Russian groups, urging submission within one month of the drafts of the history of the work and respective views on the naming of elements 104 and 105 by the two parties, as originally requested by Prof. Lewis on 2.07.75.

The views of Profs. L. Malatesta, J. Chatt, and Y. Jeanin (letters dated 16.01.76, 26.01.76, and 3.02.76, respectively), regarding the suggestion of Sir Derek Barton for systematic naming to commence with element 101, were noted by the Executive Committee. It was decided to ask the Commission on Nomenclature of Inorganic Chemistry to develop this concept along the agreed lines and for Prof. Malatesta to report back to the Bureau at its next meeting.

3.1.7/76 Contract work with CEE (Minute 16.1/75, 34th Meeting)

The CEE authorities had indicated to Prof. R. Truhaut that 8,000 Sw Fr would be paid in respect of the 5 methods still under study by IUPAC from 1974. However, there was no sign of the expected draft of a further contract. In view of doubts about the health of Prof. Truhaut, the Secretary General was asked to ascertain the position by writing to CEE.

3.1.8/76 Image of Chemistry (Minute 17.3/75, 34th Meeting) (Drs. Barrett and Rossiter in attendance)

Dr. Barrett reported on the replies received to a questionnaire about the image of chemistry, circulated by Dr. W. Stoll and himself to the National Company Associates Groups. In the light of the opinions expressed it was recommended that IUPAC should collect together what had and was being done in member countries to make chemistry and its applications better understood and appreciated by the general public. The Executive Committee agreed that this should be done by an ad hoc Committee, composed of Dr. Stoll (Chairman), Dr. Barrett, and Prof. Suomalainen. After the national information had been collected, summarized, and categorized, the Executive Committee would be asked to consider how all or part of the information could be disseminated.

The Secretary General suggested that at his forthcoming meeting with Mr. I. R. Maxwell of Pergamon Press (Washington, 12.03.76), the President should discuss what publications might be worthwhile for the general public.

3.1.9/76 Report of Interdivisional Committee on Machine Documentation (IDCMD)
(Minute 20/75, 34th Meeting) (Drs. Barrett and Rossiter in attendance)

Because of late submission to the Bureau in Madrid, consideration of the report from Prof. J. E. Dubois had been deferred. It did not appear from the report nor from the minutes of the 1975 meeting of the Interdivisional Committee that IDCMD was fulfilling the agreed terms of reference. The Executive Committee decided to make a critical review of the progress of IDCMD not later than when it met early in 1977, with a view to recommending, if necessary, dissolution at the 29th General Assembly. Meanwhile, the President would undertake relevant enquiries and IDCMD would be allowed to meet in 1976 at IUPAC expense.

3.1.10/76 Approval of New Members of IUPAC Bodies (Minute 23/75, 35th Meeting)

Details of the proposed membership of the Commission on Nomenclature of Inorganic Chemistry, supplied to the IUPAC Secretariat in Madrid, had indicated clearly that Prof. J. C. Chatt was to be Chairman and Prof. Y. Jeannin to be Vice-Chairman. These proposals were duly approved by the Bureau. Subsequent correspondence within the Commission indicated that some confusion existed with regard to its Chairmanship. The Executive Committee noted that a postal ballot had recently reconfirmed Prof. Chatt as Chairman; but that the Commission could review its Officers, if desired, at the 1977 meeting.

3.1.11/76 Recommendations of Usage of the Terms "Equivalent" and "Normality"
(Minute 25.2/75, 35th Meeting)

An ad hoc Group, composed of representatives of IUPAC and ISO Technical Commissions 12 (Quantities, Symbols, Conversion Factors, and Conversion Tables) and 47 (Chemistry), had been charged with defining those quantities, units, and symbols which should be added to ISO R 31 Part 8 in order to satisfy best the needs of analytical chemistry. A major point of controversy was the Recommendations of Usage of the Terms "Equivalent" and "Normality" (Provisional Nomenclature Appendix No. 36, August 1974, to IUPAC Information Bulletin). A revised version of these Recommendations had been sent to Prof. M. L. McGlashan in early November 1975 by Prof. H. M. N. H. Irving, with a view to meeting in London later that month to prepare an agreed IUPAC view of these matters. Unfortunately, Prof. McGlashan had not responded.

The Executive Committee decided that the revised Recommendations should be sent for comment by Prof. D. H. Whiffen as Chairman of the Commission on Physicochemical Symbols, Terminology, and Units and that Profs. Irving and Whiffen should be the representatives of IUPAC to the ad hoc Group. The President of the Union was asked to inform Prof. McGlashan of these decisions.

3.2/76 Minutes of 28th Council Meeting

The Minutes of the 28th Meeting of Council were recorded as having been received officially by the Executive Committee.

3.2.1/76 Report of Committee on Teaching of Chemistry (Minute 12/75)

A request for financial support of some projects and day-to-day work of the Committee on Teaching Chemistry was considered. The Executive Committee approved a sum of \$1,500 for a Survey on Continuing Education in Industry to be undertaken in conjunction with the International Company Associates Group, and a maximum of \$500 for administrative expenses of the Teaching Committee in 1976. More definite proposals regarding the other projects should be made available for consideration at the next meeting of the Bureau. There was sufficient money remaining from an existing contract with UNESCO to publish three more issues of the International Newsletter on Chemical Education.

3.2.2/76 Report of Physical Chemistry Division (Minute 11/75)

Detailed attention had been drawn to catalysis and plasma chemistry as expanding areas within the Physical Chemistry Division needing financial support from the Union. It was agreed to grant \$2,500 for these new and extended activities in 1976, the Division President to report back on progress to the Bureau in 1977.

3.3/76 Minutes of Meeting of Division Presidents (5.09.75)

The Minutes of the Meeting of Division Presidents held in Madrid (5.09.75) were recorded as having been received officially by the Executive Committee.

3.4/76 Minutes of Meetings of Finance Committee (6.09.75 and 16-17.02.76) (Drs. Barrett and Rossiter in attendance)

The Minutes of the Meetings of the Finance Committee held in Madrid (6.09.75) and in Zurich (16-17.02.76) were recorded as having been received officially by the Executive Committee. The following matters from the Zurich Minutes received consideration:

3.4.1/76 Status of 1975 Subscriptions from National Adhering Organizations (Minute 2.2.1/76)

It was noted that, as a consequence of the revised Statutes approved by Council at Madrid, Chile and Nigeria had ceased their membership of the Union at the end of 1975. Also, pending payment of their 1975 subscriptions, privileges had been withdrawn from Argentina, Colombia, India, Mexico, Poland, Portugal, and Vietnam. As an exception to normal practice and because the 1977 General Assembly would be in Poland, the Executive Committee had agreed by correspondence that Poland could pay part of its annual subscription (Category B2) until 1978 in the form of zlotys. Sir Harold Thompson asked that his strong opposition to this agreement be recorded in the minutes.

3.4.2/76 Review and Updating of Category Allocation According to National Chemical Turnover (Minute 2.2.2/76)

All possible steps should be taken during the next biennium to urge, where necessary, each member country to move voluntarily into the category equivalent to its chemical turnover. Therefore, all member countries had been invoiced for 1976 at the appropriate formal category, explanatory letters from the Treasurer having been sent to those countries not already in such a category. Prof. Horn reported that to date only Czechoslovakia and Venezuela had indicated they were unable to change category. Poland had not yet commented on the requirement to move to Category A1.

3.4.3/76 Review of Investments (Minute 5/76)

Dr. Barrett drew attention to the improvement from \$262,174 (1970) to \$526,459 (1975) in the approximate market value of the Union's securities, and to the rise in interest and dividends earned to \$22,947.28 (1975) which now represented an important contribution to the annual income of IUPAC.

3.4.4/76 Subscription Scheme for National Adhering Organizations
Minute 6.1/76)

Estimates had been made of the expected improvement in income for 1976 and 1977 from National Adhering Organizations, following invoicing at the appropriate formal category (see Minute 3.4.2/76 above). The position would be reviewed by the Finance Committee in February 1977 to permit recommendation to the Executive Committee with regard to the need for mandatory allocation of category through resolution at the 1977 General Assembly.

3.4.5/76 Revised Budget for 1976 (Minute 11/76)

The President asked for a clear separation to be shown in the revised budget for 1976 (see Appendix A) into a general contingency fund (\$5,000) and provision for new and extended activities (\$25,000). In principle, money from the former could be used on the authority of the Treasurer alone, but spending on the latter should be approved by the Executive Committee.

3.4.6/76 Draft Budgets for 1977 and 1978 (Minute 12/76)

In drafting budgets for 1977 and 1978 (as of 17.02.76), the Finance Committee had been unable to avoid arriving at deficits for both years. Sir Harold Thompson agreed with the view that the forecast deficit for 1977-8 should be met from the surplus anticipated for 1975-6. His proposal that the Executive Committee should accept the draft budget for 1977 and recommend it for approval by the Bureau at its next meeting, was carried unanimously.

3.4.7/76 Continuing Strategy for Increasing IUPAC Income (Minute 12/76)

The following guidelines were recommended as general policy by the Finance Committee:

- (i) To bring as many member countries as possible voluntarily into their appropriate formal category in 1976-7.
- (ii) To review the nation/category position in 1977 to permit recommendation to the Executive Committee with respect to the need for mandatory allocation of category by resolution at the 1977 General Assembly.
- (iii) To move towards separation of Company Associate contributions from national subscriptions in 1979 and onwards.
- (iv) To encourage Company Associates to increase their number of units of subscription rather than to increase the unit value.
- (v) To consider the feasibility of charging Associated Organizations a membership fee to cover IUPAC servicing costs.

In accepting these guidelines as future general policy, the Executive Committee noted that an evaluation of servicing costs would be necessary before reaching a decision on (v). Some doubts were expressed about (iii) being realistic for countries in the higher membership categories.

The Executive Committee approved the request of Sir Harold Thompson for a vote of thanks to be minuted to the Finance Committee and Treasurer on the good state of the Union's finances and the evident care being taken in handling these matters.

3.5/76 Minutes of Meeting of Committee on Publications (2.09.75)

3.6/76 Minutes of Meeting of Committee on Teaching of Chemistry (4-5.09.75)

The Minutes of the Meetings of the Committee on Publications and Committee on Teaching of Chemistry held in Madrid (2.09.75 and 4-5.09.75, respectively) were recorded as having been received officially by the Executive Committee.

3.7/76 Minutes of Meeting of CHEMRAWN Ad Hoc Working Group (10.01.76)
(Drs. Rossiter and Barrett in attendance)

Dr. Rossiter said that the CHEMRAWN Planning Committee, appointed by the ad hoc Working Group in London on 10.01.76, had met briefly following the main deliberations there. It had approved a plan for representatives of the US National Committee for IUPAC to meet their Canadian counterparts in Montreal (27.02.76), to discuss the CHEMRAWN concept and proposed 1st International Conference on Future Sources of Chemical Raw Materials and Intermediate Supplies.

Subject to the approval of the Canadian National Committee for IUPAC and of the Board of Directors of the Chemical Institute of Canada, the Canadian representatives at Montreal had endorsed the concept of holding the Conference in Toronto for 3 days during late 1977 or preferably during the summer of 1978. Although the Conference was to be self-supporting, some seed money was requested from IUPAC. Dr. Rossiter mentioned some possible general issues and global considerations and an outline technical programme arising from the preliminary discussions as to scope and potential of the Conference.

Dr. Rossiter had been invited to speak about CHEMRAWN at a forthcoming meeting in Canada (1.06.76) of research managers from industry and representatives from universities. It should also provide a suitable opportunity to solicit new Company Associates from Canada.

Prof. Emanuel expressed concern at any overlap with existing international activities, such as the World Petroleum Congresses. These Congresses were, however, said Dr. Cairns, centered on a petroleum-based economy, whereas the resources Conference would be considering alternative economies and processes. While the Canadian organizers should have freedom and latitude to develop topics, format, and priorities, Sir Harold Thompson would not want to see an overemphasis on Canadian implications, e.g., oil shale and tar sands. He reported that the British National Committee for Chemistry had agreed unanimously that for a successful Conference it was necessary to avoid diffusiveness in the choice of programme, in order to attract leading personalities as speakers. Dr. Cairns felt that a 3-day meeting was too short to cover both inorganic and organic resources. His preference for the coverage to be restricted to organic-based resources was supported by Sir Derek Barton.

Regarding the appointment of Conference General Chairman, who should probably be drawn from the host country, Prof. Emanuel preferred a top-level nonindustrial person, possibly the Director of the National Research Council of Canada. Also, he stressed the need to include in the CHEMRAWN Planning Committee, persons from USSR and other European and developing countries.

At the preliminary talks in Montreal, it was felt worthwhile for there to be some cosponsors of the Conference in addition to IUPAC, such as Chemical Institute of Canada and American Chemical Society. Dr. Barrett suggested that European Federation of Chemical Engineering, an Associated Organization of the Union, might be interested to act as a cosponsor.

Concerning publications, Dr. Rossiter anticipated that material from the technical sessions could be issued in the normal way. However, more thought would be required for abstracts to the general public and for handling the outcome of any general discussions. Prof. Ourisson reported that he had approached Pergamon Press about general publication aspects of CHEMRAWN (see also Minute 12.12/76). Sir Derek Barton suggested that, in order to retain the interest of participants to the end of the Conference, the last afternoon might be devoted to a "Braintrust" session with 4 or 5 experts on the platform.

In addition to formal and general publications, Dr. Cairns and Sir Harold Thompson said that attention should be paid to any general conclusions of the Conference, and whether these should be brought to the attention of UN agencies and governments to consider in evolving future policies.

The following points were approved by the Executive Committee:

- (i) IUPAC would advance, as seed money for the Conference, up to \$5,000 from the money allocated in 1976 for new and extended activities of the Union, with the expectation that it would be returned from any financial surplus on the Conference.
- (ii) The scope of the first Conference should be restricted closely to organic-based resources.
- (iii) July 1978 was the favoured time for holding the Conference.
- (iv) An expanded CHEMRAWN Planning Committee should continue to act in an advisory capacity on behalf of IUPAC to the Conference organizers, especially regarding the technical programme.
- (v) The Conference organizers and the CHEMRAWN Planning Committee should keep the IUPAC Bureau (Executive Committee) informed of all developments.

Minute 4/76

STATEMENT OF ACCOUNTS FOR 1975 (Drs. Barrett and Rossiter in attendance)

For the first time the annual accounts of the Union were separated into statements of general and of publication income and expenditure. The Executive Committee accepted the recommendation of the Finance Committee (Minute 4/76, Zürich) that all clearly identifiable, major assets or liabilities should be included in the accounts, at least as transitory assets or liabilities. Also, it agreed with two basic modifications requested to the preliminary accounts:

- (i) National subscriptions due, but not paid in 1975 should be shown in "accounts receivable". Details of these outstanding subscriptions should be given as a footnote. The outstanding subscriptions from Chile and Nigeria should be written off as bad debts. In due course, it might be necessary to write off further bad debts.
- (ii) External contracts (UNESCO, CEE, etc.) should be moved into a separate account, paralleling the publications accounts. Proper allowance could then be made for overheads of the Union, by transfer to the general account. It was suggested that a level of 15% be set for overheads on each contract.

The following specific changes had been requested:

- (i) The UK Company Associates payment for 1975, received in early January 1976, should be included with the relevant 1975 income.
- (ii) The special Spanish national and chemical industry contributions to the Madrid Conference, partly received in January 1976, should be included in the 1975 income.

In addition, the Finance Committee had proposed more realistic distribution of Secretariat costs than shown in the preliminary accounts, and it had suggested the IUPAC banker be provided with full details of royalties from Butterworths in 1975 and purchases of publications by the Union.

The net result of all the above modifications was a surplus of some \$25,500 for 1975. Prof. Horn indicated that income from member countries was higher than forecast and an advance had been negotiated on 1976 royalties from Butterworths; spending from residual Divisional contingency funds was lower than budgetted.

The expense of revising Nomenclature of Organic Chemistry had not yet been shown in the 1975 expenditure.

Minute 5/76

COST ANALYSIS OF 28th IUPAC CONFERENCE (Drs. Barrett and Rossiter in attendance)

Examination and analysis of the financial details of the 1975 Conference by the Finance Committee had led to the conclusions (Minute 9/76, Zürich) that:

- (i) on financial grounds a mandatory group travel plan must be retained for the future;
- (ii) useful financial savings and greater administrative efficiency could be achieved by having meetings and residential accommodation proximate;
- (iii) only limited financial savings could be made by shortening the duration of the Conference;
- (iv) it was financially inadvisable to hold Conference in a country where another major IUPAC-sponsored meeting was recently held (e.g. 1974 International Symposium on Macromolecules in Madrid);
- (v) it was financially inadvisable to arrange Conference and Congress in the same country in the same year.

The Executive Committee would keep the above points in mind for the organization of the 1977 General Assembly.

The Treasurer tabled a document which showed that in 1975 several member countries had taken more money out of the Union than they had contributed. Also, he was keeping figures on the number of Titular Members for each country. Although he intended to continue the collection of these data, he emphasized that no conclusions should be drawn from them at present because of major variations from biennium to biennium. The Finance Committee recommended that such statistics should be accumulated to permit at least trends to be recognized.

Minute 6/76

PER DIEM SUBSISTENCE ALLOWANCE (Drs. Barrett and Rossiter in attendance in part)

The deliberations of the Finance Committee (Minute 8/76, Zürich), regarding per diem subsistence allowance and cost analysis investigation of location and pattern of meetings of IUPAC bodies, were noted by the Executive Committee, especially the following conclusions and recommendations:

- (i) The majority of IUPAC expenditure in both General Assembly and non-General Assembly years would continue to be for travel.
- (ii) The concentration of all meetings of IUPAC bodies in one location in an Assembly year permitted the utilization of comprehensive group travel arrangements giving, for example, a cost saving of over \$50,000 in 1975.
- (iii) It followed that, if concentration of meetings of IUPAC bodies could be arranged in a non-General Assembly year, substantial cost savings on travel could be made.
- (iv) Lowest subsistence costs consistent with good meeting facilities were available in general from several university campuses.

Although (iii) was important in principal, Sir Harold Thompson doubted if it was practical. He was concerned at the effect on voluntary work for IUPAC of too hard a financial squeeze. Unless it became financially essential, Sir Derek Barton and Sir Harold Thompson spoke against (iv) from their personal experience in UK.

Regarding the suggestion that the Secretariat should draft a note for distribution to IUPAC bodies on the use of cost-conscious travel-accommodation agents, Dr. Cairns said it would be useful to develop some guidelines on requisites for travel saving, e.g., minimum stay limitations.

The current ICSU per diem allowances for various countries were tabled, together with some other relevant information assembled by the Treasurer. A resolution from Sir Harold Thompson that the IUPAC subsistence allowance for the rest of 1976 be raised to \$35 per day, was carried with one vote against. The Executive Secretary was asked to inform the Division Presidents urgently of this decision.

There was a brief discussion of the obviously high, hidden financial contributions to the Union through individual members of IUPAC bodies and provision of services by their employers. In view of the difficulty and danger of trying to quantify this matter, no action was agreed at this time.

Minute 7/76

FUTURE IUPAC GENERAL ASSEMBLIES AND CONGRESSES

7.1/76 Arrangements for 29th General Assembly (1977)

The Polish National Committee for Chemistry had proposed Warsaw as the location and 22 - 31 August as the dates for the next IUPAC General Assembly. Preliminary reservation of rooms had been made at Hotel Forum, with the meetings to take place a short distance away at the Residence of the Polish Academy of Sciences.

The Executive Secretary was asked to ensure that there would be sufficient flights into Warsaw on 21 August, which was a Sunday; and to ascertain if there was any high-low season fares disadvantage by ending the Assembly on 31 August. It was agreed that the Treasurer and the Assistant Secretary should visit Warsaw for 3 days at the end of May in order to make preliminary arrangements for the Assembly. At least two agents would then be invited to submit quotations for the travel and accommodation, with the Bureau to reach a decision at its next meeting.

7.2/76 Location for 30th General Assembly (1979)

Because Council at Madrid (Minute 23.1/75) had accepted a verbal invitation to hold the 30th General Assembly in Switzerland, Prof. Smets withdrew his recent proposal for the Assembly to be in Belgium.

7.3/76 27th IUPAC Congress (1979)

The verbal invitation to hold the 27th Congress in Helsinki (Minute 23.2/75, 28th Council (Madrid)) had now been followed by an official application in writing. After consultation with the Swiss Committee for Chemistry, 27-31 August was suggested for the Congress and 3-14 September for the 30th General Assembly. Some concern was expressed that Congress would come before the Assembly, but the Executive Committee provisionally accepted the suggested dates. Confirmation of the dates and the proposed scope of the Congress could only be made at the next meeting of Council.

Minute 8/76

NOMENCLATURE MATTERS

8.1/76 Reorganization of Interdivisional Committee on Nomenclature and Symbols (IDCNS)

Standing Orders of the Executive Committee regarding IDCNS, drafted by the Executive Secretary on the basis of documents IDCNS/Madrid/5 and 6 already approved by the Bureau (Minute 14.1/75, 34th Meeting), were accepted by the Executive Committee. Nominated representatives of the Divisions and various international organizations to IDCNS were noted by the Executive Committee (see Appendix B): the Officers were approved at Madrid.

Sir Harold Thompson reported that the British National Committee for Chemistry had expressed general anxiety and doubts about the workability of the reorganized IDCNS. However, he felt that it should be given a reasonable time to operate before judgement was made. The Executive Secretary indicated that, unfortunately, there was a severe holdup by its Chairman in progressing IDCNS business, e.g., arrangements for a meeting in London during May, new provisional nomenclature recommendations, comments on ISO Draft International Standards. It was imperative for the success of IDCNS that its Chairman should act expeditiously.

The Executive Committee resolved that the President of the Union should write to ask Prof. M. L. McGlashan for his resignation, to enquire if Prof. N. Lozac'h (Vice-Chairman) could act temporarily as Chairman of IDCNS, and to ascertain whether Dr. K. L. Loening would be willing to assume the Chairmanship.

8.2/76 IUPAC-IUB Commission on Biochemical Nomenclature (CBN)

Sir Harold Thompson and Sir Derek Barton expressed concern at the dissolution of CBN as agreed, in principle, by the Bureau at Madrid (Minute 16.4/75, 34th Meeting). The Executive Committee approved the suggestion of Prof. Ourisson that a historical document be assembled about the creation and working of CBN, for consideration at the next meeting of the Bureau.

Prof. Ourisson elaborated briefly on the delay in producing a manuscript for provisional nomenclature of natural products and their derivatives (Section F of Nomenclature of Organic Chemistry) and the accompanying membership problems of the Commission on Nomenclature of Organic Chemistry. The Secretary General was asked to set Dr. L. C. Cross a deadline for completion of the manuscript or submission at that time of the incomplete document to the Secretariat. Prof. Ourisson should inform Prof. W. Klyne of the steps being taken to resolve the membership problems.

8.3/76 Future Organization of Nomenclature Activities in IUPAC

The Secretary General said that the directors of publications of some major national chemical societies were pressing for some response to their suggestions on future organization of nomenclature activities in IUPAC (letter dated 31.01.73). These suggestions had been considered at an earlier meeting of the Executive Committee (Minute 17/73, LXXV Meeting (Villefranche)), but no action was decided at that time. Prof. Ourisson proposed that the suggestions be circulated to the Division Presidents, Committee on Teaching of Chemistry, and Committee on Publications, and their views brought forward for discussion at the forthcoming meeting of the Division Presidents. However, the Executive Committee felt that, for the present, it was preferable to try and get the reorganized IDCNS working effectively and for the Divisions to collaborate with it.

Minute 9/76

RELATIONS WITH OTHER ORGANIZATIONS

9.1/76 Official Representatives of IUPAC on Other Organizations during 1975-7

The approved listing of representatives is given in Appendix C.

Sir Harold Thompson did not wish to act for the Union at the 1977 ICSU General Committee meeting, which followed soon after the 29th IUPAC General Assembly. Regarding the need for continued representation on the CODATA Task Group on Data for Chemical Kinetics and on COWAR, Dr. Cairns should consult, if necessary, the Presidents of the Physical Chemistry and Applied Chemistry Divisions, respectively. Mr. D. G. Chisman was due to retire during 1976 from the IUPAC Committee on Teaching of Chemistry, and a replacement for him would eventually be needed on CTS of ICSU. In view of the fact that IOCG was now an Associated Organization of the Union, discontinuation of Prof. R. Collongues as the liaison representation should be checked. Although Prof. M. L. McGlashan was not to continue on IDCNS, it was agreed he should still represent IUPAC on CIPM and on ISO/TC 12.

The Executive Committee accepted the recommendation of the Analytical Chemistry Division Committee (Minute 8.3, Madrid), that invitations to attend meetings of ISO/TC 47/SC 3 (Reagents for Chemical Analysis) be judged on their merits rather than appoint a permanent representative from the Union. Dr. Cairns intended to take similar action in respect of future WHO meetings. It was decided to continue for the present IUPAC representation to the FECS Working Party on Analytical Chemistry, but to review in due course whether permanent representation was necessary.

9.2/76 Increasing Relationship with WHO

The Executive Secretary had approached WHO about the possibility of contracting IUPAC to provide expert advice for the WHO environmental health criteria programme (Minute 23.4/75, 83rd Executive Committee (Madrid)). In spite of a reminder, however, no reply had yet been received. It was agreed that IUPAC should let the matter lapse.

Letters from Drs. O. Isler and Dr. H. Egan, elaborating their ideas about approaching Swiss chemical industry and UNEP for funding (Minute 16.7/75, 34th Bureau (Madrid)), were considered by the Executive Committee. No action was decided on the suggestions of Dr. Egan. The President would inform Dr. Isler of the change in policy regarding IUPAC representation to WHO (see Minute 9.1/76).

9.3/76 Increasing Relationship with SCOR (Minute 23.5/75, 83rd Executive Committee (Madrid))

Regarding the suggestion that IUPAC should nominate a representative to the ICSU Scientific Committee on Oceanic Research (SCOR), the report of SCOR Working Group 10 (joint panel on oceanographic tables and standards) had now been received. In view of the interests of the Applied Chemistry Division and the International Company Associates Group (ICAG) in chemicals and chemistry of the oceans, the matter would be referred to the forthcoming meeting in Milan of ICAG, whose advice should be brought before the Bureau later in the year.

9.4/76 Membership of China

A further letter had been received from WHO, urging expulsion of Republic of China (Taiwan) from membership of IUPAC. The Executive Committee reaffirmed the stand of IUPAC against such political pressures: the letter of 11.11.75 from Dr. Cairns to the Director-General of WHO was still applicable. That letter should also be brought to the attention of the International Union against Tuberculosis, which was trying to arrange a meeting of nongovernmental organizations in official relationship with WHO to exchange views about the membership of China.

9.5./76 Report on 1975 Meeting of ICSU Abstracting Board (Drs. Barrett and Rossiter in attendance)

Dr. Barrett referred to the ICSU AB Annual Report for 1974-5 and he elaborated on some items of particular interest to IUPAC. The Working Group in Chemistry presented an opportunity to work jointly with IUPAC for coordination between primary and secondary publications in chemistry. The report of the ICSU AB/CODATA Working Group on study of the problem of data tagging and flagging should be made available to the IUPAC ad hoc Interdivisional Working Party on Data Flagging.

The President drew attention to his exchange of correspondence with Dr. P. Rhyner. Dr. Cairns had concluded that, in due course, IUPAC should establish a new working group to deal on a broad planning basis with long-term problems in scientific and technical communications and contribute effectively by bringing together skilled people of several nationalities to exchange ideas and evolve innovative approaches. Prof. Ourisson asked for the Committee on Publications to be consulted on membership of the new working group.

9.6/76 ICSU Matters

9.6.1/76 Report on 1975 Meeting of ICSU General Committee

Sir Harold Thompson said that, in some ways, it was the most unsatisfactory meeting of ICSU he had attended over the past 15 years. Surprisingly, the general subject of world agriculture needs had not been taken up during discussion of scientific priorities on the ICSU programme. The firm stand taken by IUPAC, regarding freedom for attendance of bona fide chemists at its sponsored symposia, was praised. In contrast with the ICSU Executive Board, Sir Harold Thompson believed personally that the scientific unions had no rights with respect to migration of scientists.

9.6.2/76 IUPAC Financial Data for 1970 through 1974 (Minute 4.6/75, 82nd Executive Committee (Moscow))

The IUPAC Banker had now compiled the information requested by ICSU and it was inspected carefully by the Executive Committee. There was some disagreement as to which items should be included under "proper income of the Union". A revised format of the data for transmission to ICSU was proposed by Sir Harold Thompson and accepted. In view of the present attitude of ICSU, he advised that it was best not to build up IUPAC's reserves further at this time.

9.6.3/76 Brochure on ICSU Unions

The President outlined the IUPAC input which he had made for the brochure. ICSU hoped to have the brochure available for distribution by the late spring or early summer.

9.6.4/76 UNISIST

An extract from a letter to the Director General of UNESCO, expressing ICSU's anxiety regarding UNISIST, was noted. Dr. Cairns was personally against integrating the structure of social science information into UNISIST.

9.6.5/76 Nominations for Officers

The Executive Committee decided not to submit any nominations for the various Offices of ICSU.

9.7/76 19th Plenary Meeting of COSPAR

After examining the scientific programme for the 19th Plenary Meeting of the ICSU Committee on Space Research, the Secretary General was asked:

- (i) to inform COSPAR that the Executive Committee had been unable to detect in which ways a representative from IUPAC could be of help for the work of COSPAR;
- (ii) to enquire whether COSPAR could specify the type of expertise it expected from such a representative.

9.8/76 Proposal from COSTED

The resolution of the ICSU Committee on Science and Technology in Developing Countries (COSTED), that ICSU should create a Scientific Committee on Agriculture and Food Supply to look into these important problems, was noted with interest.

9.9/76 International Association for Cereal Chemistry (ICC)

A recent information publication about ICC was noted as a possible basis for a future IUPAC brochure to succeed that issued earlier under the title "IUPAC - What it is - What it does - How it works - How it is financed".

9.10/76 IUB-IUPAC Ad Hoc Committee on Radioactive and Isotope Specifications of Labelled Compounds

A brief report was considered of the activities during 1975 of the ad hoc Committee. Several documents were planned for completion in 1976 and appropriate means of publication would need to be discussed with IUB and IUPAC.

9.11/76 International Council for Reprography (ICR)

ICR had expressed an interest in becoming an Associated Organization of IUPAC. However, the Executive Committee considered that ICR would be better affiliated to ICSU.

9.12/76 International Round Table Conference on Reference Materials

The Executive Committee had no strong feelings as to how far IUPAC should participate in the proposed independent working party on reference materials. The advice of appropriate IUPAC bodies should be sought by the Executive Secretary.

Minute 10/76

NOMINATIONS OF NEW MEMBERS AND OFFICERS

10.1/76 Ratification of Nominations Approved by Correspondence through Executive Committee

Those nominations of new Officers and Members of IUPAC bodies, approved by correspondence through the Executive Committee since the 35th Bureau Meeting (Appendix D), were ratified by the Executive Committee.

10.2/76 Ex Officio Membership of Bureau

Under revised Statute 7.2, Council must now specify those bodies of the Union whose Chairmen should be designated as ex officio Members of the Bureau. Regarding those bodies so represented in the Bureau prior to the Madrid Conference:

- (i) The President of the Section on Clinical Chemistry was now a full Member of the Bureau.
- (ii) It was unnecessary in the case of the Committee on Publications now because Prof. Ourisson held that office in addition to being Secretary General.

- (iii) The Executive Committee decided simply to invite Prof. R. Truhaut to report to the Bureau (Executive Committee), when required, rather than for the Chairman of the Coordinating Committee for Analytical Methods for CEE and IARC to be an ex officio Bureau Member.

10.3/76 Membership of Coordinating Committee for Analytical Methods for CEE and IARC (CCAM)

The Executive Committee approved the following membership for CCAM recommended by Prof. R. Truhaut in accordance with the agreed Standing Orders (Appendix A, 82nd Executive Committee (Moscow)):

Prof. R. Truhaut (Chairman)
Prof. F. Pellerin (Secretary)
Prof. R. Belcher
Dr. H. Egan
Dr. E. O. Haenni
Dr. K. Kojima
Dr. R. Marcuse
Dr. P. L. Schuller

The dates of commencement of service would be those when these persons became involved in the work of CCAM following its reconstitution in 1969 (Minute 64, XXV Bureau (Cortina d'Ampezzo)).

10.4/76 IUPAC Committee on SCOPE

The work on analytical methods for determination of selected pollutants, associated with the present membership of the IUPAC Committee on SCOPE (Comptes Rendus XXVII Conference, Part A, page 19), was now completed. Dr. W. Gallay would be recommending a revised membership, depending on the requirements laid down at the forthcoming 3rd General Assembly of SCOPE (Paris: 17-19.05.76).

Minute 11/76

SYMPOSIA: REPRESENTATION, SPONSORSHIP, SUBVENTION

11.1/76 Advance Information Questionnaire

In order to assist in evaluating the merits of requests for sponsorship by the Union of symposia, the Analytical Chemistry Division Committee had suggested two modifications to the IUPAC Advance Information Questionnaire. The Executive Committee was in favour of requesting an outline of the topics to be covered within the field of work described by the title of a meeting. However, it was not clear if the need for a statement of the languages to be used for delivery of papers and plenary lectures referred to the actual delivery or to their publication.

11.2/76 Ratification of Symposia Sponsored by Correspondence through Executive Committee

The granting of sponsorship, by correspondence through the Executive Committee since the 34th Bureau Meeting, was ratified for the symposia in Appendix E. Sir Harold Thompson mentioned his concern that the annual publication schedule for Pure and Applied Chemistry was filled when some worthwhile material had not yet received consideration. Prof. Ourisson agreed to discuss the matter within the Committee on Publications.

Sponsorship had not been granted to the VIIth International Congress on Surface Active Substances: no information was supplied on names of the main invited lecturers and IUPAC was very concerned that the standard should be higher than previous meetings in this series. Prof. Emanuel indicated that the Secretary General would shortly receive a letter from the organizers, giving some details of the main speakers. Assurances would also be given on freedom of participation for all bona fide chemists. He hoped that the Union might be able to reverse its decision on sponsorship.

11.3/76 V International Conference on Nonaqueous Solutions (Leeds, 6-9.07.76)

A deficit guarantee of \$1,000 was approved.

11.4/76 II Europhysical Topical Conference (Berlin, 30.08.76 - 3.09.76)

After careful consideration of the draft budget, it was decided not to grant a subvention from IUPAC.

11.5/76 VII International Conference on Magnetic Resonance in Biological Systems (Quebec, 19-24.09.76)

A deficit guarantee of \$1,000 was approved.

11.6/76 1977 International Symposium on Macromolecular Chemistry (Dublin, 18-22.07.77)

A subvention from the Union could not be considered, because it was IUPAC policy not to grant subventions in years when a General Assembly was held.

11.7/76 VIII International Conference on Organometallic Chemistry (Kyoto, 12-16.09.77)

Supported by Inorganic Chemistry and Organic Chemistry Divisions. Sponsorship granted, with provisional publication by IUPAC of the plenary lectures.

Minute 12/76

PUBLICATIONS

12.1/76 Status Report on New Official Publisher to IUPAC

The transfer of publishing operations from Butterworths to Pergamon Press was nearly complete and no major difficulties had been encountered. The final two issues of Pure and Applied Chemistry for which Butterworths were responsible would appear during March, and the first Pergamon issue of PAC had just been published.

12.2/76 1976 US-\$ Subscription to PAC (Minute 21/75, page 6, 83rd Executive Committee (Madrid))

Sir Harold Thompson had informed Mr. I. R. Maxwell of the strong dissatisfaction of IUPAC with the Pergamon procedure of having invoiced all countries for 1976, with the exception of the sterling area and some "poor" countries, at the US-\$ rate of subscription to PAC. The Executive Committee accepted Mr. Maxwell's suggestion to review the position in terms of cancellations during March or April.

12.3/76 New Scientific Editor and Assistant Scientific Editor (Minute 22.2/75, 83rd Executive Committee (Madrid))

Prof. Ourisson reported that:

- (i) Prof. C. F. Cullis, previously Assistant Scientific Editor, had accepted an invitation to succeed Prof. B. C. L. Weedon as Scientific Editor of the Union from the beginning of 1976;
- (ii) The position of Assistant Scientific Editor had been offered to Dr. D. M. Kirk for a period of two years initially.

These actions were ratified by the Executive Committee. An official letter of appointment should be sent by the President to Dr. Kirk.

12.4/76 Solubility Data Project and Tables of Stability Constants

Prof. Ourisson reminded the Executive Committee that the Union's publication rights had been waived in respect of the compilations on solubility data and stability constants. Although negotiations were in progress with other publishers at the time of the Madrid Conference, Pergamon Press had subsequently agreed to handle both projects for IUPAC.

The proposal for reimbursement of compilation expenses from royalties at the rate of \$6 per page, in addition to the provision by Pergamon of \$2 per page for provision of camera-ready copy, was agreed as acceptable to the Executive Committee only if the compilation expenses were set specifically against the royalties from these two projects alone, and not against the general royalties on IUPAC publications. This must be agreed in writing with Pergamon, otherwise IUPAC could not authorize their publication under its name and within the general publishing contract. Separate accounts would be needed for the two projects.

12.5/76 Standard Methods for Analysis of Oils, Fats and Soaps

The recommendation of the Scientific Editor of the Union and the Chairman of the Committee on Publications, that the 4th Supplement be issued separately to PAC in a similar style to the previous Supplements, was approved by the Executive Committee.

12.6/76 Membership of Committee on Publications (Minute 22.2/75, 83rd Executive Committee (Madrid))

The need to replace Prof. Ourisson within the next 12 months as Chairman of the Committee on Publications was noted. The Secretary General was requested to contact the Presidents of the Dutch and Swedish Chemical Societies for possible candidates and to report back to the President of the Union.

With enlargement in membership of the Committee on Publications to 8 persons, a vacancy now existed. The intention had been to fill it with an applied chemist, and Sir Harold Thompson said this might be related to the ideas of ICAG to improve and increase the communication by IUPAC of its programmes to industry and others.

12.7/76 1976 Subscriptions to Information Bulletin

On the recommendation of the Chairman of the Committee on Publications and of the Treasurer, the Executive Committee accepted a proposal that the 1976 subscription to the Bulletin should be \$12/£5. It was noted that the IUPAC Secretariat would shortly ask Pergamon Press to take over handling of subscriptions to the Bulletin. Discussions were also under way as to whether Pergamon was to be responsible for printing the Bulletin and Comptes Rendus.

12.8/76 Revision of IUPAC Organic Nomenclature Rules

Developments since the Bureau resolution to proceed with revision of Nomenclature of Organic Chemistry (Minute 20/74, 33rd Bureau (Brussels)) were outlined by the Secretary General and the Treasurer. The revision had not been undertaken in the expected manner, and a bill for work to the end of October 1975 exceeded the monies contributed by the Chemical Societies of FRG, UK, and USA. The President decided to look carefully into the whole matter with a view to making recommendations on how the revision might be completed satisfactorily.

12.9/76 Recommendations for Measurement and Presentation of Biochemical Equilibrium Data

It was noted that comments of Prof. M. L. McGlashan had already been taken into account in revising these recommendations from the Interunion Commission on Biothermodynamics. They could, therefore, be construed as satisfying IDCNS. The Executive Committee approved publication of the recommendations by IUPAC as a Provisional Nomenclature Appendix (yellow booklet) to the Information Bulletin. IUB and IUPAB should be notified accordingly.

12.10/76 Trace Analysis Applicable to Determination of Minor Impurities in Chemicals - II

12.11/76 Guide to Use of the Red Book: Revision of Table II of the Red Book

The Executive Committee deferred a decision regarding publication, pending availability of the advice of the Scientific Editor of the Union and the Chairman of the Publications Committee. In the case of the Trace Analysis report, Dr. W. Gallay should be asked to check that there were no conflicts with "SCOPE 6 - Analytical Methods for Determination of Selected Pollutants".

12.12/76 26th IUPAC Congress (1977)

The Executive Committee insisted on the right of the Union to publish the whole or part of the proceedings and the Congress organizers should be asked to complete an IUPAC Advance Information Questionnaire in the normal way.

Prof. Ourisson indicated that he was in contact with the organizers and Pergamon Press about publicizing CHEMRAWN aspects of the Congress. The Executive Committee emphasized that anything prepared in the name of IUPAC (press releases, papers for the general public, documents of any kind), outside the official publishing contract with Pergamon, must still be vetted at least by the Committee on Publications before being issued.

Minute 13/76

DATE AND PLACE OF NEXT MEETING

The following schedule was ratified for the forthcoming meetings at Le Bischenberg near Strasbourg, the Bureau having already agreed through correspondence to the schedule:

12	September	-	Division Presidents
13	September	-	Executive Committee
14-15	September	-	Bureau

VOTE OF THANKS

Formal thanks were to be recorded to Comité National Français de la Chimie for the generous provision of hospitality.

* * * * *

CHAIRMAN: Robert W. Cousins

DATE: Oct. 11, 1976

APPENDIX AIUPAC GENERAL PURPOSES BUDGET 1976 *

(as of 8 March 1976)

<u>INCOME</u>		<u>EXPENDITURE</u>	
<u>Subscriptions from National Adhering Organizations</u>	200,800	<u>Office Expenses</u>	
		Secretary General & Officers	4,000
<u>Subscriptions from Company Associates</u>	66,000	IUPAC Secretariat	50,000
		Audit, Bank Fees & Other Charges	12,000
<u>Interests & Dividends Earned</u>	30,000		66,000
		<u>Travel, Subsistence, Administration of IUPAC Bodies</u>	
<u>Subvention from ICSU</u>	17,500	Contributions to Symposia	163,500
		Other Expenses	10,000
<u>From Reserves for New & Extended Activities</u>	25,000	Free Inf. Bull. & Appendices	7,360
		Contributions to ICSU and ICSU Committees	5,000
		IUPAC Representatives on Other Organizations	2,500
			14,860
		<u>General Contingency Fund</u>	5,000
		<u>New & Extended Activities</u>	25,000
			284,360
		<u>Transfer from Publications Account</u>	3,940
		<u>Excess of Income over Expenditure</u>	51,000
	339,300		339,300

* All figures in US-dollars

TRAVEL, SUBSISTENCE, ADMINISTRATION OF IUPAC BODIES

	\$
Standing Committees	52,500
Clinical Chemistry Section	9,000
Physical Chemistry Division	18,000
Inorganic Chemistry Division	11,000
Organic Chemistry Division	11,500
Macromolecular Division	14,000
Analytical Chemistry Division	20,000
Applied Chemistry Division	27,500
	<hr/>
	163,500
	<hr/>

IUPAC PUBLICATIONS BUDGET 1976 *

(as of 8 March 1976)

<u>INCOME</u>		<u>EXPENDITURE</u>
Publications (Butterworths)	7,000	Scientific Editors 2,500
Publications (Pergamon)	40,000	Assistant Secretary (Publications) & Typist 16,800
Publications (Secretariat)	7,000	Printing and Postage of Information Bulletins/Appendices and Comptes Rendus 30,000
Free Inf. Bull. & Appendices	7,360	
	<u>61,360</u>	
Excess of Expenditure over Income	3,940	Share of IUPAC Secretariat Costs 16,000
	<u>65,300</u>	<u>65,300</u>

* All figures in US-dollars

APPENDIX B

INTERDIVISIONAL COMMITTEE ON NOMENCLATURE AND SYMBOLS

<u>Chairman</u>	Prof. M. L. McGlashan
<u>Vice-Chairman</u>	Prof. N. Lozac'h
<u>Secretary</u>	Dr. M. A. Paul
<u>Scientific Editor of IUPAC</u>	Prof. C. F. Cullis
<u>Clinical Chemistry Section</u>	Dr. R. Dybkaer
<u>Physical Chemistry Division</u>	Dr. D. R. Lide, Jr. Prof. D. H. Whiffen
<u>Inorganic Chemistry Division</u>	Prof. W. C. Fernelius Prof. V. Gutmann
<u>Organic Nomenclature Division</u>	Mr. S. P. Klesney Prof. J. Rigaudy
<u>Macromolecular Division</u>	Dr. K. L. Loening Dr. W. Ring
<u>Analytical Chemistry Division</u>	Prof. H. M. N. H. Irving Prof. O. Samuelson
<u>Applied Chemistry Division</u>	Dr. H. Egan Dr. J. A. Epstein
<u>BIPM</u>	Prof. J. Terrien
<u>ICAG</u>	Dr. J. W. Barrett
<u>ISO</u>	Mrs. V. Simonsgaard
<u>IUNS</u>	Dr. S. R. Ames
<u>IUPAP</u>	Prof. U. Stille
<u>(IUB</u>	
<u>(</u>	to be appointed
<u>(IUPAB</u>	

APPENDIX C

IUPAC REPRESENTATIVES ON OTHER

ORGANIZATIONS 1975-7

ICSU General Committee

Prof. Sir Harold Thompson (UK)

ICSU Abstracting Board

Dr. J. W. Barrett (UK)

ICSU Committee on Data for Science and Technology (CODATA)

Prof. D. H. Whiffen (UK)

CODATA Task Group on Data for Chemical Kinetics

Current position under investigation

CODATA Task Group on Solubility Data

Task Group discontinued

ICSU Committee on Teaching of Science (CTS)

Mr. D. G. Chisman (UK)

ICSU Scientific Committee on Water Research (COWAR)

Current position under investigation

ICSU Scientific Committee on Problems of the Environment (SCOPE)

Dr. W. Gallay (Canada)

Interunion Commission on Spectroscopy

1971-1977 Prof. A.R.H. Cole (Australia)
Prof. Y. Morino (Japan)

1975-1981 Prof. M.A. Elyashévich (USSR)
Prof. N. Sheppard (UK)

International Association for Cereal Chemistry

Dr. F. Parisi (Italy)

International Congress on Catalysis

Current position under investigation

International Federation of Clinical Chemistry

Prof. P. Lous (Denmark)

Dr. R. Gräsbeck (Finland)

International ad hoc Committee on Chemotaxonomy

Current position under investigation

International Organization for Crystal Growth

Current position under investigation

Comité International des Poids et Mesures (CIPM) & ISO/TC 12
(Quantities, Symbols, Conversion Factors, and Conversion Tables)

Prof. M. L. McGlashan (UK)

FECS Working Party on Analytical Chemistry

Prof. T. S. West (UK)

APPENDIX D

NEW OFFICERS AND MEMBERS OF IUPAC BODIES

APPROVED BY CORRESPONDENCE THROUGH

EXECUTIVE COMMITTEE SINCE 35th BUREAU MEETING

New Officers (Bylaw 4.303)

- (i) Commission on Nomenclature of Organic Chemistry
Vice-Chairman - Prof. J. Rigaudy (France)
- (ii) Commission on Reclamation of Solid Wastes
Chairman - Prof. S. J. Pirt (UK)
Secretary - Dr. R. C. Poller (UK)

New Members (Bylaw 4.304)

- (i) IUPAC-IUB Commission on Biochemical Nomenclature
Titular Member (1975-9) - Dr. H. B. F. Dixon (UK)
- (ii) Commission on Quantities and Units in Clinical Chemistry
Titular Member (1975-9) - Prof. O. Siggaard-Andersen (Denmark)
- (iii) Commission on Photochemistry
Titular Member (1975-9) - Prof. M. Wrighton (USA)
- (iv) Commission on Macromolecular Nomenclature
Associate Member (1975-9) - Dr. H. Wilski (FRG)
- (v) Commission on Spectrochemical and Other Optical Procedures for Analysis
Titular Member (1975-9) - Dr. W. H. Melhuish (New Zealand)
- (vi) Commission on Pesticide Residue Analysis
Titular Members (1975-9) - Dr. P. A. Greve (Netherlands)
Dr. M. Klisenkov (USSR)
Associate Members (1975-9) - Dr. G. K. Gheorghiev (Bulgaria)
Mr. I. S. Taylor (Australia)
Prof. H. P. Thier (FRG)
- (vii) Commission on Reclamation of Solid Wastes
Titular Member (1975-9) - Dr. R. C. Poller (UK)

APPENDIX E

SPONSORSHIP OF SYMPOSIA APPROVED BY

CORRESPONDENCE THROUGH EXECUTIVE COMMITTEE

SINCE 34th BUREAU MEETING

International Symposium on Drug Action at Molecular Level
(London, UK: 76.04.12-13)

V International Conference on Solid Compounds of Transition Elements
(Uppsala, Sweden: 76.06.21-25)

III International Meeting on Boron Chemistry
(Munich/Ettal, FRG: 76.07.05-09)

II Europhysical Topical Conference on Lattice Defects in Ionic Crystals
(West Berlin: 76.08.30-76.09.03)

III International Symposium on Mycotoxins in Foodstuffs
(Paris, France: 76.09.16-18)

Symposium on Electrochemistry in Nonisothermal Systems
(Zürich, Switzerland: 76.09.09-10)

VII International Conference on Magnetic Resonance in Biological Systems
(St. Jovite/Quebec, Canada: 76.09.19-24)

International Symposium on Macromolecular Chemistry
(Dublin, Ireland: 77.07.18-22)

Sponsorship NOT granted to -

VII International Congress on Surface Active Substances
(Moscow, USSR: 76.09.13-18)