

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 95th MEETING OF EXECUTIVE COMMITTEE

Hotel Mapotel Welcome, Villefranche-sur-Mer : 24th-25th April 1980

Present: Prof. H. Zollinger (Chairman), Dr. W. Graulich, Prof. J. Michalski, Prof. S. Nagakura, Prof. G. Ourisson, Prof. C. G. Overberger, Prof. A. Perez-Masiá, Prof. G. Smets

In Attendance: Dr. M. Williams (Executive Secretary)

1/80 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

The following items were added to the agenda circulated by the Executive Secretary (80.04.03):

- 3.4.3.11 Financial Aspects of Symposia
- 4.4 Invitation for 29th Congress (1983)
- 4.5 Dates of 32nd General Assembly and Later
- 5.5 Requests for Grants and Loans from ICSU in 1981
- 10.1 Center for History of Chemistry

and item 4 was enlarged to:

Future General Assemblies and Congresses.

It was noted that the papers circulated in connexion with item "7.4" should have been marked "6.4".

The President stressed that several items for discussion involved the principle of improved quality for the work of IUPAC. He was convinced personally that if such an improvement could be realized in practice, then the longer term financial problems of the Union would be solved simultaneously.

2/80 MINUTES OF 93rd AND 94th MEETINGS OF EXECUTIVE COMMITTEE

2.1/80 Amendments and Approval of Minutes

The minutes, as circulated by the Executive Secretary (79.11.19 and 80.02.13), were approved without amendment.

2.2/80 Matters Arising from Minutes

2.2.1/80 Publication of Official Report (Comptes Rendus) of 30th IUPAC General General Assembly (see 13.2.7/79, 93rd Meeting)

The Executive Secretary reported that the Comptes Rendus from Davos would be available towards the end of May as a Supplement to Chemistry International. It would be distributed free within IUPAC and automatically to all subscribers to CI as part of their 1980 subscription.

The Supplement would contain the Presidential Report on the State of the Union, the Biennial Report of the Treasurer plus the Accounts for 1977-8, and synopsis minutes of meetings of the Council, Committees and Commissions. In addition it would contain Membership Lists of IUPAC Bodies 1979-1981, but in a new format:

the committee membership lists would not include address details, which would appear in a separate alphabetical listing of all members. This should constitute a more concise and useful document and, now that the format had been worked out, more rapid publication should be possible in future.

#### 2.2.2/80 Membership Tie (see 13.2.7/79, 93rd Meeting)

The Executive Secretary reported that, in conjunction with Profs. Smets and Overberger, a design had been developed for an IUPAC tie. A sample was approved by the Executive Committee, together with the estimate for a limited issue of 200 ties, which would be sold from the Secretariat to past and present members of IUPAC bodies. In addition to a notice in CI, Prof. Overberger suggested that the existence of the tie should be announced in a press release to Chem. Eng. News, etc. Prof. Zollinger proposed that the tie should be available for sale at the forthcoming meeting of the Bureau in Zürich.

#### 2.2.3/80 Membership of IDCNS (see 16.1/79, 93rd Meeting)

Suggestions were tabled by the Executive Secretary for revised Standing Orders of the Executive Committee regarding IDCNS, taking into account the decisions of the Executive Committee at Davos. Prof. Smets reminded the meeting that at Paris (see 3.4.1/79, 92nd Executive Committee) it was agreed up to three other IUPAC experts could be designated by the Chairman (at IUPAC expense) to cover special needs at IDCNS meetings, although the IUPAC Officers (Zürich, 79.11.13) had only allowed one such expert in 1980 because of the financial difficulties of the Union.

The Executive Committee approved:

- (i) a proposal from Prof. Ourisson to extend item (iv) of the Composition and Terms of Office for IDCNS to cover the Paris agreement;
- (ii) a proposal from Prof. Michalski to discontinue the office of Vice-Chairman of IDCNS from Leuven: if the Chairman was unable to be present, an acting Chairman should be chosen by the participants from amongst themselves;

- see Appendix A for amended Standing Orders.

#### 3/80 MINUTES OF MEETINGS OF:

##### 3.1/80 40th and 41st Bureau

The minutes were recorded as having been received officially by the Executive Committee.

##### 3.1.1/80 Contract Work with CEE (see 3.1/79, 40th Meeting)

The Executive Secretary reported on his recent discussions with Dr. H. Marchandise (London, 79.12.11) of the CEE Bureau of Reference. Some new possibilities existed for collaboration with various IUPAC bodies (Analytical Chemistry Division, Commission on Toxicology, Commission on Polymer Characterization and Properties), but contracts now appeared to be on a 50:50 funding basis. Other possibilities of collaboration with CEE were also under investigation by the Commissions on Biotechnology, on Reclamation of Solid Wastes, on Pesticide Chemistry, and on Oils, Fats and Derivatives.

Prof. Zollinger wondered whether such contract work, even if paid for in full by CEE, was really worthwhile from the IUPAC propaganda point of view: the large number of analytical methods supplied by the Union for control of purity criteria

of food additives had become lost in the CEE bureaucracy and were now mostly out-of-date. The Executive Committee accepted the view of Prof. Ourisson that there should be no further pressure for collaboration by the Union. In any case, Prof. Michalski stressed that CEE was a regional organization and no collaboration had been contemplated with similar bodies such as COMECON.

### 3.1.2/80 Collaboration with ISO (see 10.1/79, 40th Meeting)

The Executive Secretary reported that subsequent to Davos, Dr. M. Parkany had reaffirmed in writing the willingness of ISO to ensure a feedback on comments submitted by the Macromolecular and Analytical Chemistry Divisions on ISO International Standards. Hopefully this would come into effect in 1980.

### 3.1.3/80 International Symposium on Synthesis and Properties of New Elements (see 18/79, 41st Meeting)

Prof. Zollinger summarized the progress since Davos. The organizers had eventually supplied by cable (79.11.15) the names of seven invited speakers. After seeking the advice of the President of the Inorganic Chemistry Division and Scientific Editor of PAC, he had granted IUPAC sponsorship (79.12.04) and the invited papers were provisionally accepted for publication in PAC. He had been unable to provide any financial support for the symposium (80.02.04), because no allowance was made in the 1980 IUPAC budget approved by Council at Davos. Prof. Overberger had reported (80.01.31) that the two invited speakers from USA were declining their invitations, but Prof. Zollinger had concluded it was then impossible to withdraw the sponsorship of the Union.

The Executive Committee asked the Executive Secretary to enquire from the organizers the status of acceptances and topics for the seven invited lecturers. Subject to approval of the Scientific Editor, the Executive Committee was in favour of publishing only five invited papers in PAC. Prof. Zollinger offered to write a short introduction if necessary.

The President suggested that, in addition to the local organizing committee, there should be an international advisory committee for each IUPAC-sponsored symposium as a means of ensuring high quality. The Executive Committee agreed to insert a relevant question on the Advance Information Questionnaire to be completed in respect of all applications for sponsorship by the Union: it would then be up to the relevant Division President and President of the Union to comment if no international advisory committee existed for a particular meeting.

### 3.2/80 30th Council

The minutes were recorded as having been received officially by the Executive Committee.

#### 3.2.1/80 Dues Structure: Change to Statute 3.3 (see 9/79)

For discussion of this item see Minute 3.4.3.5/80.

#### 3.2.2/80 Clinical Chemistry Division Rules (see 12/79)

The Executive Secretary reported that at a meeting with the Past-President of the Clinical Chemistry Division, Dr. M. Roth (London, 79.12.14), it had been found necessary to propose some substantial revisions to the Division Rules tabled before Council at Davos. Because more than minor editing was involved, the Executive Committee recommended that the amended Rules should be considered by the Bureau at Zürich with the intention to present them for approval by Council at Leuven.

The President referred briefly to correspondence since Davos between himself and the Chairman of the IUPAC Subcommittee, Dr. T. S. West. The latter had just circulated an extensive memorandum to initiate discussion within the Subcommittee, which was scheduled to meet in Zurich on 80.08.30.

Prof. Overberger said that at the 7th International Meeting of Chemical Society Presidents (Washington, DC, 79.09.15-17), where he had acted as the official representative of IUPAC, a committee had been set up to study the possibility of forming an international chemical society and it would meet shortly in Bangkok. Prof. Zollinger was pleased to see some of the other interesting papers presented at Washington reported fully in Chemistry International (1980, No. 2).

3.2.4/80 Definition of "Country" in Statute 3.1 (see 10/79 and 25/79)

The Executive Secretary said that there was no reference to "country" in the ICSU Statutes: National Members were "any territory having recognized independent scientific activity". To amend the IUPAC Statutes accordingly would require substantial changes because "country" was mentioned several times.

After careful consideration the Executive Committee decided to propose to the Bureau that the following paragraph should be added to Statute 3.1:

"In the case of a country in which present circumstances make it impossible for all chemists to engage in coordinated scientific activities over the whole territory, "country" shall designate geographical territory in which a community of chemists pursues independent scientific activities."

Prof. Perez-Masiá was against the additional paragraph: he believed the case of China to be exceptional and extraordinary, and he was worried about the wider possible implications in the future from the amended statute.

3.3/80 Division Presidents (79.09.05)

The minutes were recorded as having been received officially by the Executive Committee.

Prof. Smets was still strongly opposed to such a lengthy pamphlet on Duties of Officers as the draft tabled by Dr. T. S. West at Davos (see 12/79). The Executive Committee supported that opinion, Prof. Zollinger adding that it was his personal view many of the Division Rules approved by Council at Davos were far too detailed and in some cases would lead to inflexible arrangements. The Executive Secretary said that a check list would be valuable for incoming Division Presidents, and Prof. Overberger agreed that some guidelines were needed.

3.4/80 Finance Committee (79.09.05-06 and 80.02.18-19)

The minutes were recorded as having been received officially by the Executive Committee.

3.4.1/80 Policy on Level of IUPAC Activities and Reimbursement (see 16.2.9/79)

The Finance Committee had requested the Executive Committee to decide on a future policy of many IUPAC bodies meeting with incomplete reimbursement of costs or less bodies meeting with full reimbursement. In addition, Prof. A. Björkman had stressed both to the Executive Committee (see 14.2/79, 93rd Meeting) and to Council (see 7/79) the need for IUPAC to have more longrange planning on which to base its financial considerations.

Prof. Zollinger preferred to defer consideration of the Finance Committee request until after he had interviewed, together with the Vice-President and Secretary General, each Division President individually on the occasion of the 1980 Bureau meeting in an effort to evaluate the need and priority for each of their Commission (see 5.1/80. Finance Committee).

Regarding more longrange planning, the President wished to see something similar for IUPAC to the recently published longrange goals and 1980 objectives of the American Chemical Society (Chem. Eng. News, 1980 (11th February), p.36). The Executive Committee endorsed his proposal for the Vice-President and Secretary General, with the involvement of COCI, to prepare a draft philosophy document for consideration by the Bureau at Zürich, which could be elaborated for the Executive Committee meeting early in 1981, with the intention to present a final document to Council at Leuven.

3.4.2/80 Venezuelan Membership of IUPAC (see 21.8/79, and 13.2.3/79 - 93rd Executive Committee)

For discussion of this item see Minute 3.4.3.1/80.

3.4.3/80 Matters Arising from Zürich (80.02.18-19)

3.4.3.1/80 Venezuelan Membership of IUPAC (see 2.2.2/80)

The Executive Committee accepted the Finance Committee view that, in order to be fair to other member countries, there should be strict adherence to Statute 9.2: Venezuela should automatically cease membership of the Union unless the remaining subscription arrears for 1978 were paid by the end of 1980. The Secretary General was asked to advise Instituto Venezolano de Investigaciones Cientificas accordingly, but inviting that body to try and identify another organization in Venezuela better able to fulfil the national financial obligations to IUPAC.

3.4.3.2/80 Listing of Published Commission Reports (see 2.2.5/80, and 3.2/79 - 40th Bureau)

A listing of published Commission reports (commencing 1974 up to 80.04.01) compiled by the IUPAC Secretariat, with an addendum detailing two Commissions which had not published anything during the period in question, was considered by the Executive Committee.

The suggestion of Prof. Nagakura that the listing should be sent for information to each Company Associate was accepted, and the Executive Committee was in favour of asking COCI and the conveners of National Company Associate Groups to use it for recruiting new Company Associates. The listing should also be sent to National Adhering Organizations for information and possible dissemination.

Prof. Zollinger intended to read some of the reports published recently in PAC before interviewing each Division President (see 3.4.1/80 above). In addition, he would request COCI to classify the reports in the listing from an industrial point of view as being useful and important/not meeting the demands of industry/of no direct relevance.

There should be a clear indication that the listing was from IUPAC and it should have a short introduction, mentioning from where some of the lesser known publications were available. The listing should be kept up-to-date with a view to publishing it in conjunction with the next Project Programmes Listing in 1981.

3.4.3.3/80 Statement of Accounts for 1979 (see 3.1/80)

The Executive Committee was pleased to note that the actual deficit on the General Account for 1979 was only about US-\$11 000 compared with a budgetted deficit of US-\$90 400 (as at 79.07.10). The accounts for 1979 were accepted for auditing and submission to Council at Leuven.

3.4.3.4/80 Cost Estimates for 31st IUPAC General Assembly (see 5.1/80)

The President referred briefly to the precirculated report (80.03.27) of the

Assistant Secretary, Miss A. Troughton, following her recent visit to Leuven to discuss arrangements with the local organizing committee. The proposed use of student dormitories on the University of Leuven campus and per diem allowance of US-\$35 were approved by the Executive Committee.

Prof. Smets reported on his investigations into Sabena being appointed as the official carrier:

- (i) all tickets must be issued and paid for at Sabena in Brussels;
- (ii) it was impossible for some considerable time to give any final air fares and discounts;
- (iii) destinations for which no Sabena flight existed - in principle 30% reduction on economy air fare;
- (iv) destinations for which Sabena flights existed - in principle 40-50%, possibly 60% reduction (maximum reduction on flights from Tokyo, Bombay, USA, Cairo, Israel) on economy air fare, without any restrictions on duration of stay.

After a careful analysis the Executive Secretary advised that the Sabena proposals were very advantageous to the Union. It was agreed that claim forms could be sent out allowing a stated sum for travel (68% of the "inflated" September 1979 economy air fares - budget maximum), and offering the money well in advance of Leuven, OR the alternative of receiving a prepaid ticket from Sabena Brussels according to an individual's required flight specifications (Sabena would eventually submit a single invoice for IUPAC to pay for the tickets). It must be stressed that the financial implications of any changes in or cancellation of prepaid flights through Sabena Brussels would be the responsibility of the individual and not of IUPAC: insurance should be taken out by each person to cover such a contingency. Prof. Ourisson suggested that if travel was by train or car, a participant should claim only first class train fare where it was less than the sum allowed for travel by IUPAC on the claim form.

Prof. Smets undertook to obtain from Sabena by 80.05.15 details of the May 1980 economy air fares and discounts applicable for the various destinations already specified by IUPAC. Should Sabena not be appointed the official carrier, the Executive Committee declared itself in favour of a sliding-scale to avoid the unfairness of a flat-rate reimbursement to participants from far away countries. A draft sliding-scale suggested by the Secretariat should be adjusted to make full use of the budgetted travel money.

Because of the overlap between the General Assembly and the IFCC-sponsored Congress of Clinical Chemistry (Vienna, 80.08.30-09.05) it appeared that neither the President nor the Vice-President (President Elect) of the Clinical Chemistry Division would be available for the Bureau meeting on 80.09.02. The Executive Committee agreed that the Clinical Chemistry Division must be represented by an Officer at the Bureau meeting because decisions would be made, even in their absence, which might be binding on that Division. All Division Presidents should be advised accordingly when they met at Zürich (80.08.30).

The President said that it had been suggested ways should be explored of improving the collaboration between IUPAC and its Associated Organizations. The latter had therefore been circularized (80.03.26), asking - What did they originally expect from IUPAC?/What did they get?/What do they want (except money - IUPAC is currently experiencing financial difficulties)?/What can they offer to IUPAC? The replies would be examined by the Executive Committee at Zürich and a decision taken whether to convene a meeting of Associated Organizations at Leuven.

The Executive Committee approved requests from the Commissions on Nomenclature

of Inorganic Chemistry and on Nomenclature of Organic Chemistry to meet at Leuven immediately prior to and under the same financial conditions as for the General Assembly.

Prof. Zollinger thanked Prof. Smets and his colleagues on the local organizing committee for their efforts to ensure the success of the General Assembly.

#### 3.4.3.5/80 Analysis and Revision of Dues Policy (see 5.2/80)

The President referred briefly to the precirculated memorandum from the Chairman of the Finance Committee (March 1980), drawing attention to the reconfirmation of chemical turnover as the best criterion for establishing the membership categories. Prof. Zollinger mentioned his experience with the European Science Foundation, which collected its national subscriptions on a related basis.

Prof. Overberger expressed himself personally in favour and also he expected the US National Committee to support the request for a substantial rise in national subscriptions followed by a rise every year to counteract inflation. He supported Alternative I because it would be impossible to derive much more money from governmental sources: the national incentive to maintain and increase the existing level of Company Associates was an important strategy.

Prof. Michalski mentioned the particular difficulties for East European countries to effect any rapid rise in their national subscriptions. Prof. Nagakura said that Japan would also be trying to increase its Company Associates and supported Alternative I. He wondered whether it might be better to use an average value for the chemical turnover during say the last five years rather than the latest figure, as a buffer for difficult situations in some countries. Also he would submit in writing some criticisms of the "ratio of limits" data in the tables of the memorandum together with some other comments.

Prof. Perez-Masiá saw merits in both Alternatives I and II, and he wondered if an intermediate system, with say up to 50% of Company Associate income being allowed to count towards the national subscription, would be more acceptable. He was strongly opposed to mandatory membership categories, especially if based only on chemical turnover:

- (i) because chemical turnover related directly to the production and profits of chemical industry, whereas in many countries the national subscription was paid entirely by organizations of an academic character whose resources had nothing to do with chemical turnover;
- (ii) because the national subscriptions were used to pay for IUPAC activities which, in the main, were not related to the industrial applications of chemistry;
- (iii) because in many countries the chemical turnover was to a large extent related to the activity of multinational companies, so that an important part of the benefits corresponding to national chemical turnover went out of such countries;
- (iv) because the impossibility of paying their national subscriptions might compel some National Adhering Organizations to resign their membership, thereby reducing the universality of IUPAC.

He reiterated his view that two other criteria should be considered, together with chemical turnover, to give a better overall picture for establishment of the membership categories:

- (i) the number of papers from each country mentioned in Chemical Abstracts;

- (ii) the number of chemists from each country involved in IUPAC activities as mentioned in the biennial membership lists of IUPAC bodies.

Prof. Zollinger stressed that some flexibility was envisaged in that individual member countries would be able to apply for placement one category below that corresponding formally to their chemical turnover. He opposed Prof. Perez-Masiá's criterion (ii). Prof. Overberger thought that it would be interesting to have an analysis made of the number of qualified chemists in member countries and to see how that data related to chemical turnover.

The President concluded that a majority of the Executive Committee:

- (i) favoured the use of chemical turnover, with some flexibility, as the criterion for national subscriptions;
- (ii) favoured Alternative I more than Alternative II;
- (iii) supported the view of Prof. Ourisson that the loss of prestige if a country had to drop to a lower membership category - less votes - was a powerful bargaining point in arguments with politicians and administrators to raise national subscriptions.

The Executive Committee agreed that the memorandum should be sent, with a letter from the President, in mid-May to the National Adhering Organizations and COCI, requesting the submission of comments by mid-July. An analysis of the comments should be made by the Chairman of the Finance Committee for submission to the Bureau at Zurich. In particular the NAOs and COCI should be asked to reply to eight questions suggested by Prof. Björkman. Prof. Perez-Masiá said that it was not clear what was meant by "sliding ratio scales" in question 3, and Prof. Overberger suggested that "(less than desirable)" should be omitted from question 7.

Further to the deliberations of Council at Davos (see 9/79), the Executive Committee agreed (7 in favour, 1 against) to propose to the Bureau that Statute 3.3 should be reworded as follows:

"There shall be several categories of membership based on the annual chemical turnovers of the member countries according to rules resolved by the Council. A country requesting admission to the Union of its proposed Adhering Organization shall provide full information about its proposed Adhering Organization and indicate to which category the latter wishes to be assigned, except that it may apply to stay only one category lower than required by its chemical turnover. Subject to this limitation an Adhering Organization may at any time request to be transferred to another category. A recommended chemical turnover is open for correction by an individual country or by the Union."

#### 3.4.3.6/80 Late Payment of Subscription (see 6.3/80)

The Executive Committee considered a draft letter to Belgium, appending a list of Titular Members for that country and advising that, in view of the persistent late payment of its annual subscription, the Titular Members would not be reimbursed until the 1979 subscription was cleared.

Prof. Smets pointed out that there was no statutory basis for such a sanction (cf. Statute 9.2). In any case, Titular Members of Commissions were appointed as international specialists (Bylaw 4.303) and not on a national basis. Furthermore, Prof. Smets interpreted Statutes 9.1 and 9.2 as meaning that a country had until 31st December to pay its annual subscription and it was therefore not officially in arrears until after 31st December of the following year. He would shortly be meeting the Secretary General of the Belgian Ministry of Education and would



enquire why the 1979 subscription had not yet been received by IUPAC although said to be in hand in a letter to the Treasurer dated 80.01.31.

#### 3.4.3.7/80 Income and Expenditure Subdivided by Country (see 6.4/80)

The suggestion of the Finance Committee was accepted to invite countries which considered themselves "underrepresented" on IUPAC bodies to propose experts to fill Titular and Associate Membership vacancies arising at Leuven. The invitation should stress the view of the Executive Committee that a more aggressive approach was needed by the National Adhering Organizations in the matter.

#### 3.4.3.8/80 Revised Budget for 1980 (see 7.2/80) and Forecast for 1979-80 (see 8/80)

The Executive Secretary reported that the final royalty statements for 1979 received recently from Pergamon Press showed a considerable increase on the provisional estimate as at the end of 1979. An excess of income over expenditure of US-\$13 000 was now foreseen in the Publications Budget for 1980, leading to a surplus on the General Purposes Budget of US-\$48 000 (see Appendix B).

The revised forecast for 1979-80 was

1979	-	deficit of US-\$11 000
1980	-	surplus of US-\$48 000
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total		surplus of US-\$37 000

The much improved financial position for the biennium was due entirely to the rapid upturn in publication royalties following the unexpectedly poor royalties for 1978. The Executive Committee were very grateful that Pergamon was still able to bear heavy advance costs on behalf of the Union for the solubility data series, for which the first royalties accrued to IUPAC in 1979 (US-\$12 867 cf. with advance compilation fees chargeable against royalties of US-\$20 736).

#### 3.4.3.9/80 Revised Budget for 1981 (see 9/80)

In view of the much improved forecast for 1980, Prof. Overberger wondered if the income from royalties envisaged for 1981 was too conservative. The Executive Committee decided to leave the budgetted figure at the minimum guaranteed royalty level for 1981 until the publication situation became clearer at the end of 1980. Nevertheless, the anticipated deficits of US-\$102 000 and 40 000 in the 1981 General Purposes and Publications Budgets, respectively, could almost certainly be reduced.

#### 3.4.3.10/80 Membership (see 11/80)

The vacancies which would arise at Leuven and the suggestions so far made for replacements were noted. Dr. Graulich proposed Dr. W. Fritsche as a suitable candidate, but Prof. Zollinger wondered whether it was a good policy to have persons from one country as Treasurer of the Union and as a full member of the Finance Committee. Prof. Perez-Masiá felt that the present membership was largely restricted to higher category countries of IUPAC.

The Executive Committee decided that it was in favour of appointing a new member from an East European country (preferably USSR) and of Dr. Fritsche, and that a further vacancy arising in 1983 should be filled preferably by someone from a lower category country.

#### 3.4.3.11/80 Financial Aspects of Symposia (see 2.3.4/80)

The Executive Committee approved the suggestion to make it a condition in the

IUPAC sponsorship-granting letter that the registration fee for a symposium was not changed drastically without reference to the Union. It had earlier been agreed (see 8.7/79, 92nd Executive Committee - Paris) that the Executive Secretary, when mailing out an advance information questionnaire, would ask symposium organizers about the level of registration fee and whether a special rate was envisaged for younger chemists.

3.5/80 CHEMRAWN Committee (79.09.05 and 80.02.20-21)  
and CHEMRAWN Committee/Committee on Chemistry and Industry (80.02.21)

The minutes were recorded as having been received officially by the Executive Committee.

3.5.1/80 Vice-Chairman and Secretary (see 3/79)

The appointment of Dr. W. G. Schneider as Vice-Chairman and of Dr. H. Egan as Secretary of the CHEMRAWN Committee were approved by the Executive Committee.

3.5.2/80 Legal Liabilities of IUPAC re Profitability of CHEMRAWN Conferences  
(see 6/80)

The Executive Committee agreed that IUPAC would be responsible for any deficit liability on future CHEMRAWN Conferences.

3.5.3/80 Funding of CHEMRAWN Committee Activities (see 15/80)

Bearing in mind the positive balance from CHEMRAWN I and the existence of an ICSU-UNESCO contract for US-\$5 000 in 1980 to help organize CHEMRAWN II, the IUPAC Officers (Zürich, 79.11.13) had decided as an interim measure not to make any provision for the CHEMRAWN Committee from general funds of the Union during 1980-1. The President would advise Dr. B. W. Rossiter that the position would be reviewed for 1982-3 and stressing IUPAC's great appreciation of the activities of the CHEMRAWN Committee.

3.6/80 Committee on Teaching of Chemistry (79.08.27 and 30-09.01)

The minutes were recorded as having been received officially by the Executive Committee.

3.6.1/80 Expenses for National Representatives (see 79/15)

The Executive Committee declared itself against establishing any precedent of the Union paying expenses for National Representatives to attend a meeting of an IUPAC body. It was suggested that the Committee on Teaching of Chemistry should approach UNESCO for funding to assist some National Representatives to attend its meetings.

3.7/80 Committee on Chemistry and Industry (79.09.07)

The synopsis minutes were recorded as having been received officially by the Executive Committee.

3.8/80 Committee on Publications (79.09.02-03)

The minutes were recorded as having been received officially by the Executive Committee.

3.8.1/80 Provision of Free Copies of Chemistry International to IUPAC Bodies and Bulk Copies to National Adhering Organizations (see 7.5/79)

The Executive Committee resolved:

- (i) to provide CI free to members of IUPAC bodies in 1980 and in 1981, but to review the situation before the end of 1981: unless a significant part of the magazine was devoted to IUPAC business, free distribution would be hard to justify in 1982;
- (ii) to provide each National Adhering Organization with only 3 copies of each issue of CI from the start of 1981: more free copies could be provided on request for specific promotional purposes.

In answer to a question from Prof. Overberger about the financial viability of CI, the Executive Secretary said that on the basis of the 1980 library subscription rate about 6 500 subscribers were needed by the end of 1982 to balance the editorial costs to the Union. At the end of 1979 there were just over 600 paid subscribers, but the effects of a promotional campaign undertaken by Pergamon would not become apparent until in 1980.

It was noted with regret that, contrary to the instruction of Prof. Ourisson (see 13.2.7/79, 93rd Executive Committee - Davos) to Dr. M. Gellender as editor of CI, no synopsis minutes from 1979 meetings of IUPAC bodies outside the Davos General Assembly had been included in normal issues of the magazine itself.

At the suggestion of Prof. Smets the Secretary General would re-alert Dr. Gellender to the fact that more time should be spent by him on duties as Information Officer of the Union, for which work CI was only one of the possible tools.

#### 3.8.2/80 New Contract with Pergamon Press (see 13/79)

The Executive Secretary reported that the new contract had been drafted by the Assistant Secretary (Publications), Mr. P. D. Gujral, in conjunction with the Committee on Publications, Pergamon Press, and the Officers of the Union. Finalization of the contract was now being undertaken through a firm of lawyers in Oxford. It was anticipated that the engrossed contracts would be available for signature by the President and Treasurer of the Union and by Mr. I. R. Maxwell of Pergamon towards the end of May.

#### 3.9/80 Interdivisional Committee on Nomenclature and Symbols (79.09.02 and 07)

The minutes were recorded as having been received officially by the Executive Committee.

#### 4/80 FUTURE GENERAL ASSEMBLIES AND CONGRESSES

##### 4.1/80 Arrangements for 31st General Assembly (Leuven, 81.08.25-09.02)

For discussion of this item see Minute 3.4.3.4/80.

##### 4.2/80 Arrangements for 32nd General Assembly (Lyngby, 1983)

The Executive Committee agreed that Miss Troughton should visit Lyngby to discuss preliminary arrangements and report back to the Bureau in Zürich. The dates of the American Chemical Society Fall Meeting (83.08.28-09.02) should be noted and if possible a clash also avoided with the annual meeting of the Gesellschaft Deutscher Chemiker.

##### 4.3/80 Invitation for 33rd General Assembly (1985)

An invitation from Comité National Français de la Chimie to hold the Assembly in France was noted. Prof. Ourisson favoured Lyon as the location: it had a new conference centre, support should be possible from local chemical industry, and university student hostel accommodation was available. The President would acknowledge the invitation and request some preliminary details in time for the Executive Committee meeting early in 1981, so that a recommendation could be made to Council at Leuven.

#### 4.4/80 Invitation for 29th Congress (1983)

An invitation from Deutscher Zentralausschuss für Chemie to host the Congress in Cologne during 83.06.04-12 was considered. Although it would not be possible to accept the invitation formally until Council met at Leuven, it would be necessary for FRG to start preparations for the Congress this year. The President was therefore asked to obtain for the Bureau meeting in Zürich information in as much detail as possible about choice of topics, composition of organizing committee, location of meetings, accommodation, registration fees, etc.

Regarding informal contacts already made by the Executive Secretary with the Dutch National Adhering Organization about the 1983 Congress, Prof. Zollinger would suggest that Netherlands might act as host in 1985. A reply should be requested before the Executive Committee meeting early in 1981.

#### 4.5/80 Dates of 32nd General Assembly and Later

The President had received a complaint about overlap in dates between the General Assembly in Leuven (81.08.25-09.02) and the Fall Meeting of the American Chemical Society (New York, 81.08.23-28), but it was now impossible to change the dates for Leuven. In order to try and avoid such situations in future, the National Adhering Organizations would be asked to supply details of any forthcoming major national chemistry meetings scheduled for the summer of 1983, and be reminded about the matter annually.

#### 5/80 FINANCIAL MATTERS

##### 5.1/80 Current Financial Status

Dr. Graulich reported that the financial status (as at 80.04.15) consisted of US-\$8 100, £13 200, SwFr36 700, DM32 400, with a further US-\$285 000 in short-term investments and £1 008 clean credit at the IUPAC Secretariat.

It was noted that national subscriptions for 1979 were outstanding from Belgium, Colombia, Cuba, Turkey and Venezuela (Venezuela also in part for 1978).

##### 5.2/80 Level of Single Cheque Payments by Executive Secretary (see 23.2/75, 83rd Executive Committee - Madrid)

The Executive Committee reviewed the level of payment which could be made on any item by either the Treasurer or Executive Secretary on his own judgement. It was agreed to increase the sum to US-\$600 (£300). Above that level the endorsement of another Officer of the Union was needed for the Treasurer, and of the Treasurer for the Executive Secretary.

##### 5.3/80 Installation of Telex at IUPAC Secretariat (see 3.1.1/79, 92nd Executive Committee - Paris)

An analysis of the 1 038 persons detailed in Membership Lists of IUPAC Bodies 1979-1981 showed that at least 255 (25%) had access to telex. In the case of 100 officers of IUPAC bodies, however, the figure rose to at least 49%. The Executive Committee approved a proposal for the IUPAC Secretariat to use the telex facilities of Oxford Relay Associates for the rest of 1980 and during 1981 in order to assess its advantages to the Union.

##### 5.4/80 New UNESCO Contract on Teaching of Chemistry

The Executive Committee ratified the action of the President in signing a contract with UNESCO for the Committee on Teaching of Chemistry to contribute to the UNESCO project "Adapting Science and Technology Education to a Changing Society

and to the Diversity of Needs of Member States".

5.5/80 Requests for Grants and Loans from ICSU in 1981

ICSU had advised that each scientific union would receive about US-\$9 000 as a basic allocation from the UNESCO subvention in 1981. Some special grants for scientific and educational projects would also be made and the Secretary General was asked to develop with the Executive Secretary detailed and well documented proposals from within IUPAC for about US-\$2 000-5 000 for each of the Committee on Teaching of Chemistry, the CHEMRAWN Committee (to assist in preparations for the CHEMRAWN II Conference), the Commission on Solubility Data (to ensure a full meeting in 1981: the 1980 meeting had been cancelled due to lack of funds), the Commissions on Electrochemistry and on Electroanalytical Chemistry (to assist in undertaking revision of W. M. Latimer's The Oxidation States of the Elements and their Potentials in Aqueous Solutions - 1952), the Commissions on Nomenclature of Inorganic and of Organic Chemistry (to finance some meetings of small working groups in order to facilitate progress in revision of the major publications Nomenclature of Inorganic Chemistry and Nomenclature of Organic Chemistry), the Analytical Chemistry Division (to assist in preparation of the Multilingual Dictionary of Analytical Terms).

Prof. Smets and the Executive Secretary reported briefly on the status of the application made in 1979 for a high level of financial support from UNESCO (US-\$75 000) for the CHEMRAWN II Conference (see 13.2.8/79, 93rd Executive Committee - Davos). Although no specific mention was made by UNESCO in its recently published Draft Programme and Budget for 1981-1983, provision was included in general terms for an international cooperative programme on conversion of renewable resources into chemical feedstocks. UNESCO had stressed that the chances of IUPAC receiving some funding would be enhanced if UNESCO (Dr. S. Passsman) could be actively involved in the work of CHEMRAWN and especially in the preparations for CHEMRAWN II. However, Dr. B. W. Rossiter was against a person from a governmental organization like UNESCO being appointed officially a member of the CHEMRAWN Committee. Prof. Zollinger recommended that a UNESCO representative should be invited as an observer to future meetings of the organizing committee for CHEMRAWN II. It was also suggested that Dr. Rossiter might approach Dr. Abdul-Razzak Kaddoura (Assistant Director-General for Science) and Dr. Federico Mayor Zaragoza (Deputy Director General) at UNESCO about financial support for CHEMRAWN II.

6/80 RELATIONS WITH OTHER ORGANIZATIONS

6.1/80 Application for IUPAC Membership from Malaysia

An application (dated 79.12.17) was considered for membership of the Union (Category D) by the Malaysian Institute of Chemistry. The Executive Committee decided to propose to the Bureau that Council be recommended to accept the application at Leuven.

6.2/80 Effectiveness of IUPAC Commission Activity: Proposal from Canada

The Canadian National Committee for IUPAC had proposed (79.11.20) that in order to improve the effectiveness of IUPAC Commission activity all projects should be terminated not later than four years after their initiation, unless their continuation was supported by an analysis as rigorous as that required for the original initiation of the new project. The proposal was supported by Prof. Zollinger, who pointed out that it was in fact less than the existing requirement of Bylaw 4.302, namely that Council at each General Assembly must decide whether or not to continue each Commission. The proposal was also related to and should be handled as part of the President's forthcoming interviews with Division Presidents (see 3.4.1/80 above).

It was agreed that in the 1981 IUPAC Project Programmes Listing the active starting date (or "activity not yet initiated") should be stated for each project. This would make it possible to carry out a four-year review of progress. An anticipated completion date should also be included. Organization of international symposia was not a major reason for the existence of a Commission, and the inclusion of representatives (or liaison persons) on other bodies was not permissible in the 1981 Listing.

Prof. Smets added a cautionary note regarding the voluntary nature of all IUPAC work, and asked that care should be taken not to apply too much pressure on the Commissions.

#### 6.3/80 Continuation of IUB-IUPAC Joint Commission on Biochemical Nomenclature

JCBN had been established in 1977, to replace the existing CBN, for a trial period of three years (see 13.2/77, 87th Executive Committee - Washington). A letter was considered from Dr. K. L. Loening (dated 80.03.08), confirming the very successful operation of JCBN and urging both IUPAC and IUB not only to renew the trial period for another definite term, but to make the arrangement permanent. The Executive Committee decided to advise IUB that IUPAC supported the continuation of JCBN.

#### 6.4/80 ICSU Matters

Regarding nominations for the officers of ICSU, the Executive Secretary reported that there were now two candidates to succeed Sir John Kendrew as Secretary General. The Executive Committee accepted the following recommendations from IUPAC to ICSU proposed by Prof. Smets (re circular of 80.01.24):

- (i) strongly against the suggestion for groups or clusters of unions;
- (ii) in favour of the creation of an extra Vice-President in addition to that of President-Elect;
- (iii) in favour of increasing by one the number of ordinary members on the Executive Board representing the Unions;
- (iv) in favour of giving the Nominating Committee the additional responsibility of proposing a slate of Ordinary Members of the Executive Board for the elections by the General Committee.

In order to ensure continuity in the IUPAC representation to the ICSU General Committee, Prof. Smets had hoped to be replaced as soon as possible by Prof. Ourisson. The latter was unable to accept nomination due to heavy other commitments and it was decided to approach Prof. Y. Jeannin about the matter.

A listing of official IUPAC representatives on other organizations (see Appendix C) appointed by the President for the period mid-1979 to mid-1981 was ratified by the Executive Committee. It was agreed that the Executive Secretary should request a short report for each meeting attended for at least the attention of the President. The incoming President should be notified of any representative who had not supplied a report.

#### 7/80 NOMINATIONS OF NEW OFFICERS AND MEMBERS OF IUPAC BODIES

##### 7.1/80 Early Termination of Periods of Service in Analytical Chemistry Division (see 17(xx)/79, 41st Bureau - Davos)

Dr. T. S. West had provided details of those Titular and Associate Members of Commissions in the Analytical Chemistry Division whose period of service had

been terminated early because of inactivity (see Appendix D). Some early terminations in the Applied Chemistry and Clinical Chemistry Divisions were also noted and ratified by the Executive Committee. Prof. Ourisson suggested that all Division President should be asked to consider instituting early termination when a Titular Member (and possibly even when an Associate Member) did not attend two consecutive meetings of a Commission.

7.2/80 Inconsistencies in Davos Membership Lists (see 17(xxi)/79, 41st Bureau - Davos)

A number of inconsistencies were reported by the Executive Secretary (see Appendix E) and ratified by the Executive Committee.

7.3/80 Ratification of Nominations Approved by Correspondence

The nominations of new Members of IUPAC bodies (Bylaw 4.304), approved through correspondence by the President since the 41st Bureau meeting, were ratified by the Executive Committee (see Appendix F).

7.4/80 New Nominations

The Secretary General tabled a letter from the Chinese Chemical Society (dated 80.04.10), nominating a number of candidates as National Representatives on IUPAC bodies. Because China did not yet have any Company Associates the Standing Orders for COCI prevented any representation from that country: Prof. K. H. Büchel would be asked to accept an observer from China. Two National Representatives had been nominated for both the Commission on Molecular Structure and Spectroscopy and the Commission on Physical Organic Chemistry: the Executive Committee decided to request that in each case one person might be accepted as a Coopted Member of the respective Division Committee. All the other nominations for National Representatives should be referred for acceptance by the relevant Commission Chairmen.

7.5/80 Limitation of IUPAC Commitments to Three per Person (see 15.2.5/78, 91st Executive Committee - Brussels)

An analysis of persons with more than three IUPAC commitments in Membership Lists of IUPAC Bodies 1979-1981 was considered (see Appendix G). The President ruled that leniency should be observed in cases where membership of subcommittees or IUPAC representations was involved. The Executive Committee resolved:

- (i) to request Prof. Y. Jeannin to resign from JCBN and be replaced by another inorganic chemist from the Commission on Nomenclature of Inorganic Chemistry or to resign from IDCNS;
- (ii) to request Dr. K. L. Loening to resign as an Associate Member from either the Commission on Nomenclature of Organic Chemistry or the Commission on Macromolecular Nomenclature;
- (iii) to request Prof. C. G. Overberger to resign as an Associate Member of the Commission on Polymer Characterization and Properties;
- (iv) to request Prof. A. Perez-Masiá to resign as an Associate Member of the Commission on Physicochemical Symbols, Terminology, and Units;
- (v) to request Prof. F. W. Sunderman, Jr. to reduce by at least two his memberships of subcommittees and IUPAC representations.

7.6/80 Voluntary Reduction in Titular Membership of Commissions and Divisions (see 5.3/79, 92nd Executive Committee - Paris)

An analysis of the request prior to Davos by Prof. Zollinger for a voluntary

reduction of Titular Membership showed that the actual reductions were essentially a failure from the financial point of view. Rather than propose changes to the statutes in 1981 the Executive Committee preferred to recommend the Bureau at Zürich to decide for Leuven and until further notice (probably for a minimum of four years) for financial reasons to approve only nominations to a maximum of eight Members for Division Committees and of six Titular Members for Commissions. In addition, it was decided not to fill any existing or further Titular Membership vacancies before Leuven.

8/80      SPONSORSHIP: REPRESENTATION, SPONSORSHIP, SUBVENTION

8.1/80    Ratification of Sponsorships Approved by Correspondence

The sponsorships of symposia, approved through correspondence by the President since the 40th Bureau meeting (see Appendix H), were ratified by the Executive Committee. The President drew attention to the fact that it had been impossible to grant sponsorship in one case because the quality was too low for an IUPAC meeting. Prof. Zollinger also mentioned some criticisms of the 3rd International Congress on Industrial Waste Water and Wastes, which he had referred for the attention of the President of the Applied Chemistry Division.

8.2/80    Ratification of Official Representatives to Symposia in 1979 and 1980

The appointments of official representatives of IUPAC to its sponsored symposia in 1979 and 1980, as made by the President through correspondence since the 40th Bureau meeting (see Appendix I), were ratified by the Executive Committee. The President proposed that in future each official representative should report back briefly to the Union on the quality of the meeting, drawing attention to any aspects of importance to IUPAC. It might be worthwhile to develop a checklist for such purposes, e.g. suggestions of topics for future symposia or good individuals to try and involve in the work of IUPAC.

9/80      DATE AND PLACE OF NEXT MEETING

The next meeting was confirmed for 80.08.31 in Zürich.

10/80     ANY OTHER BUSINESS

10.1/80   Center for History of Chemistry

A draft editorial for Chemistry International by Prof. R. N. Jones on the need for chemists to retain their personal and professional records for archival purposes was noted by the Executive Committee: it should be published with a "disclaimer" as not necessarily representing the official views of IUPAC. Regarding a related letter from Prof. J. H. Wotiz (dated 80.03.31), it was decided that the Union should enquire from Prof. G. T. Seaborg about the international aspects of the History of Chemistry Center being established at the Southern Illinois University at Carbondale.

VOTE OF THANKS

On behalf of the Union Prof. Zollinger thanked the Recteur de l'Académie de Nice/Chancelier des Universités, Paul Pastour, for the provision of hospitality and Comité National Français de la Chimie for the provision of facilities. Also he thanked Prof. Ourisson for making the local arrangements for the meeting.

\*           \*           \*           \*           \*



CHAIRMAN: H. Follin

DATE: Aug 31st, 1980

INTERDIVISIONAL COMMITTEE ON NOMENCLATURE AND SYMBOLS

Composition and Terms of Office

- (i) There shall be a standing Interdivisional Committee on Nomenclature and Symbols (IDCNS), composed of a Chairman, a Secretary, the Scientific Editor of PAC, one Member and one Associate Member from each Division.
- (ii) The President in consultation with the Executive Committee shall appoint the Members and Associate Members of the Divisions. IDCNS and the Division Presidents may propose names of persons suitably qualified for appointment.
- (iii) The period of service of Members and Associate Members shall be four years, renewable for a further term of four years.
- (iv) The President in consultation with the Executive Committee shall appoint the Chairman and the Secretary. IDCNS may propose candidates. The President in consultation with the Chairman may designate up to three additional experts at IUPAC expense for specific business at a meeting of IDCNS.
- (v) The period of service of the Chairman and the Secretary shall be four years, renewable for a further term of four years. The sum of years as a Member or Associate Member and as Chairman or Secretary shall not exceed ten years.
- (vi) The following organizations shall be invited to attend meetings of IDCNS:

Bureau International des Poids et Mesures  
International Organization for Standardization  
International Union of Biochemistry  
International Union of Nutritional Science  
International Union of Pure and Applied Biophysics  
International Union of Pure and Applied Physics

Terms of Reference

- (i) To be responsible for submission to the Bureau/Council, in accordance with Bylaw 2.11, for publication or otherwise, any IUPAC document concerned with nomenclature and symbols.
- (ii) Before recommending any material for publication as an IUPAC document, to ensure that the fullest possible consultations have taken place, and the widest possible consensus has been reached among all Divisions, Sections, Commissions, and other bodies of the Union, and between IUPAC and other ICSU bodies, the international standardizing organizations, and Conférence Générale des Poids et Mesures (CGPM) and its Committees.
- (iii) To ensure that any considered IUPAC view shall carry the fullest possible weight among other international organizations, all negotiations on matters concerned with nomenclature and symbols with other ICSU bodies, with the international standardizing organizations, and with CGPM and its Committees, shall be conducted through IDCNS, which shall advise the Executive Committee accordingly.
- (iv) To be responsible, after consultations with all relevant bodies of IUPAC, for the official IUPAC comments on all documents on nomenclature and symbols sent to the Union for comment.
- (v) To advise the President and Executive Committee on suitable persons for appointment as representatives of IUPAC on other bodies concerned with nomenclature and symbols.

APPENDIX B

IUPAC GENERAL PURPOSES BUDGET 1980 \*  
(as of 24th April 1980)

<u>INCOME</u>		<u>EXPENDITURE</u>
<u>Subscriptions from National Adhering Organizations</u>	235 000	<u>Office Expenses</u>
<u>Subscriptions from Company Associates</u>	65 000	Secretary General & Officers 6 000
		IUPAC Secretariat 89 000
<u>Interest &amp; Dividends Earned</u>	65 000	Audit, Bank Fees & Other Charges 20 000
<u>Subvention from ICSU</u>	8 000	
<u>Last Year's Provision for Committed Expenditure</u>	4 000	
<u>Transfer from Publications Account</u>	13 000	
		<u>Travel, Subsistence, Administration of IUPAC Bodies</u> 200 000
		<u>Contributions to Symposia</u> 5 000
		<u>Other Expenses</u>
		Contributions to ICSU & ICSU Committees 6 500
		IUPAC Representatives on Other Organizations 5 000
		Free Inf. Bulls. 1 500
		Purchases Secretariat from Pergamon 4 000
		<u>General Contingency Fund</u> 5 000
		342 000
		<u>Excess of Income over Expenditure</u> 48 000
	<u>390 000</u>	<u>390 000</u>

\* All figures in US-dollars

IUPAC PUBLICATIONS BUDGET 1980 \*  
(as of 24th April 1980)

<u>INCOME</u>		<u>EXPENDITURE</u>	
Publications (Pergamon)	108 000	Scientific Editor	2 200
Publications (Secretariat) & Miscellaneous Royalties	1 000	Inf. Officer, Asst. Sec. (Pubs.) & Typists	58 000
Chem. Intl. Travel Fund	1 500	Chem. Intl. Travel Fund	3 000
Transfer from General Account	1 500	Purchase of Inf. Bulls.	11 900
Last Year's Provision for Inf. Bulls.	10 400	Share of Secretariat Costs	34 500
	<hr/>	Excess of Income over Expenditure	12 800
	122 400		<hr/>
	<hr/>		122 400
	<hr/>		<hr/>

\* All figures in US-dollars

IUPAC REPRESENTATIVES ON OTHER ORGANIZATIONS

ICSU GENERAL COMMITTEE

Prof. G. Smets (1976-1981)

ICSU ABSTRACTING BOARD (IAB)

Dr. P. Rhyner (1979-1981)

ICSU COMMITTEE ON DATA FOR SCIENCE AND TECHNOLOGY (CODATA)

Prof. R. N. Jones (1976-1981)

ICSU SCIENTIFIC COMMITTEE ON GENETIC EXPERIMENTATION (COGENE)

Dr. A. F. Langlykke (1978-1981)

ICSU COMMITTEE ON SPACE RESEARCH (COSPAR)

Prof. C. Ponnampereuma (1976-1981)

ICSU COMMITTEE ON TEACHING OF SCIENCE (CTS)

Prof. D. J. Waddington (1979-1981)

ICSU SCIENTIFIC COMMITTEE ON PROBLEMS OF THE ENVIRONMENT (SCOPE)

Dr. H. Egan (1977-1981)

ICSU-UATI COMMITTEE ON WATER RESEARCH (COWAR)

Mr. P. Schjødtz Hansen (1979-1981)

INTER-UNION COMMISSION ON SPECTROSCOPY (IUCS)

Prof. M. A. Elyashévich (1975-1981)

Prof. N. Sheppard (1975-1981)

Prof. R. N. Jones (1979-1985)

Dr. D. W. Turner (1979-1985)

COMITÉ CONSULTATIF DES UNITÉS (CCU) DE COMITÉ INTERNATIONAL  
DES POIDS ET MESURES (CIPM)

Dr. D. R. Lide, Jr. (1977-1981)

COMMISSION ON WORLD STANDARDS IN CLINICAL PATHOLOGY (COWS)  
OF WORLD ASSOCIATION OF SOCIETIES OF PATHOLOGY (WASP)

Prof. F. W. Sunderman, Jr. (1979-1981)

F ECS WORKING PARTY ON ANALYTICAL CHEMISTRY

Dr. T. S. West (1974-1981)

F ECS WORKING PARTY ON CHEMICAL EDUCATION

Prof. D. J. Waddington (1979-1981)

INTERNATIONAL ASSOCIATION FOR CEREAL CHEMISTRY (ICC)

Dr. F. Parisi (1973-1981)

INTERNATIONAL COMMITTEE FOR STANDARDISATION AND HEMATOLOGY

Dr. R. Gräsbeck (1976-1981)

INTERNATIONAL CONGRESS ON CATALYSIS

Prof. J. Haber (1979-1981)

INTERNATIONAL FEDERATION OF CLINICAL CHEMISTRY (IFCC)

Dr. R. Gräsbeck (1979-1981)

Dr. M. K. Schwartz (1977-1981)

ISO/TC 12: QUANTITIES, SYMBOLS, CONVERSION FACTORS, AND  
CONVERSION TABLES

Prof. D. H. Whiffen (1977-1979)

INTERNATIONAL UNION OF FOOD SCIENCE AND TECHNOLOGY (IUFoST)

Dr. R. Marcuse (1979-1981)

IUPHAR SECTION ON TOXICOLOGY

Prof. F. W. Sunderman, Jr. (1977-1979)

IUPAP COMMISSION ON SYMBOLS, UNITS, NOMENCLATURE, ATOMIC MASSES,  
AND FUNDAMENTAL CONSTANTS

Prof. D. H. Whiffen (1976-1981)

EARLY TERMINATION OF PERIOD OF MEMBERSHIP

(Bylaw 4.304(iii))

Analytical Chemistry Division (due to inactivity)

1. H. F. Walton (V.1, AM 1977-1981)
2. D. Dyrssen (V.3, TM 1977-1981)
3. E. Bishop (V.5, AM 1977-1981)
4. W. F. Smyth (V.5, AM 1977-1981)
5. D. Comar (V.7, TM 1977-1981)
6. A. C. Pappas (V.7, TM 1977-1981)

Note: H. L. Clever and M. Salomon (V.6, AMs 1977-1981) not "inactive"  
but transferred to new V.8

Applied Chemistry Division (no reason given)

H. H. R. H. Wendt (VI.3, TM 1977-1981)

Clinical Chemistry Division (no reason given)

1. A. Defalque (VII.3, TM 1977-1981)
2. M. J. G. Mercier (VII.4, TM 1974-1981)

INCONSISTENCIES IN DAVOS MEMBERSHIP LISTS

Physical Chemistry Division

1. Dr. E. Brunner incorrectly appointed Vice-Chairman of Commission I.4, but only to be Titular Member. Dr. K. N. Marsh to be Vice-Chairman and Secretary.
2. Jacomo (France) approved as Associate Member (1979-1983), but he has not agreed to serve.

Inorganic Chemistry Division

Prof. W. C. Fernelius extended as Associate Member (1975-1981), but he has declined to serve.

Organic Chemistry Division

Prof. J. L. G. Nilsson (Sweden) approved as Associate Member (1979-1983), but he has declined to serve. Extension of Associate Membership (1975-1981) of Prof. R. Dahlbom therefore requested.

Macromolecular Division

Dr. R. H. Marchessault (Canada) incorrectly appointed Member of Division Committee (he is only to be Coopted Member). Prof. Ph. Teyssié (Belgium) to be appointed Member of Division Committee.

Analytical Chemistry Division

1. Dr. O. Menis resigned as Associate Member of Commission V.3 on 78.11.22 due to ill health. Surprisingly his health was sufficiently improved by Davos for him to complete his period of service (1977-1981).
2. As an exception to Bylaw 4.304 (ii), the reappointments as Associate Members of Prof. D. Dyrssen (1979-1983), Dr. G. F. Kirkbright (1979-1983), and Dr. H. Zettler (1979-1983) to Commission V.3 are permissible because their service in that category of membership will thereby total only 6, 8, and 6 years respectively.
3. As an exception to Bylaw 4.304 (ii), the reappointment as an Associate Member of Prof. H. W. Nürnberg to Commission V.5 is permissible during 1979-1983 because his service in that category of membership will thereby total only 8 years.
4. As an exception to Bylaw 4.304 (ii), the reappointment as an Associate Member of Dr. D. Comar to Commission V.7 is permissible only during 1979-1981 because his service in that category of membership will thereby reach the statutory maximum of 8 years.

Clinical Chemistry Division

Dr. M. L. Castillo de Sanchez is not eligible to serve as a Titular Member of Commission VII.3 because Mexico is not presently a member country of IUPAC.



NOMINATIONS OF NEW OFFICERS AND MEMBERS OF IUPAC BODIES

APPROVED BY PRESIDENT SINCE 41st BUREAU MEETING

(as at 15th April 1980)

Interdivisional Committee on Nomenclature and Symbols

Prof. D. H. Whiffen (1975-1983) Physical Chemistry Division	}	Members
Prof. A. D. Jenkins (1979-1983) Macromolecular Division		
Prof. N. Tanaka (1979-1983) Analytical Chemistry Division		
Dr. H. Frehse (1979-1983) Applied Chemistry Division		
Dr. R. Dybkaer (1975-1983) Clinical Chemistry Division		
Dr. D. R. Lide, Jr. (1979-1983) Physical Chemistry Division	}	Associate Members
Prof. Y. Jeannin (1979-1983) Inorganic Chemistry Division		
Prof. F. C. de Schryver (1979-1983) Organic Chemistry Division		
Prof. W. Ring (1979-1983) Macromolecular Division		
Prof. H. Freiser (1979-1983) Analytical Chemistry Division		
Mr. J. Oksanen (1979-1983) Applied Chemistry Division		
Dr. R. Zender (1979-1983) Clinical Chemistry Division		

Commission on Electrochemistry - approval granted to increase from 8 to 10 Associate Members until 1981

Dr. J. N. Agar (UK)	}	Associate Members (1979-1983)
Dr. R. Memming (FRG)		
Dr. B. Miller (USA)		
Prof. J. Plambeck (Canada)		

Commission on Equilibrium Data

Prof. E. D. Goldberg (USA)	}	Associate Members (1979-1983)
Prof. P. Schindler (Switzerland)		
Dr. P. Valenta (FRG)		

PERSONS WITH MORE THAN THREE IUPAC COMMITMENTS

(as at 7th April 1980)

- S. S. BROWN  
(5) - Member, Clinical Chemistry Division Committee  
Titular Member, Commission on Toxicology  
Member, Subcommittee on Environmental and Occupational Toxicology of Nickel  
Member, Subcommittee on Environmental and Occupational Toxicology of Cadmium  
Member, Subcommittee on Cholinesterases
- R. GRÄSBECK  
(4) - Member, Bureau  
Member, Clinical Chemistry Division Committee  
IUPAC Representative, International Committee for Standardization and Hematology  
IUPAC Representative, International Federation of Clinical Chemistry
- J. HABER  
(4) - Titular Member, Commission on Colloid and Surface Chemistry including Catalysis  
Member, Subcommittee on Catalysis  
Member, Subcommittee on Chemical Physics of Surfaces  
IUPAC Representative, International Congress on Catalysis
- R. S. HANSEN  
(4) - Member, Physical Chemistry Division Committee  
Titular Member, Commission on Colloid and Surface Chemistry including Catalysis  
Member, Subcommittee on Catalysis  
Member, Subcommittee on Chemical Physics of Surfaces
- Y. JEANNIN  
(4) - Member, Bureau  
Member, IUB-IUPAC Joint Commission on Biochemical Nomenclature  
Member, IDCNS  
Titular Member, Commission on Nomenclature of Inorganic Chemistry
- D. R. LIDE, Jr.  
(4) - Member, Physical Chemistry Division Committee  
Titular Member, Commission on Physicochemical Symbols, Terminology, and Units  
Member, IDCNS  
IUPAC Representative, CCU/CIPM
- K. L. LOENING  
(4) - Member, IDCNS  
Member, IUB-IUPAC Joint Commission on Biochemical Nomenclature  
Associate Member, Commission on Nomenclature of Organic Chemistry  
Associate Member, Commission on Macromolecular Nomenclature
- M. MIKAC-DEVIĆ  
(4) - Coopted Member, Clinical Chemistry Division Committee  
Associate Member, Commission on Toxicology  
Member, Subcommittee on Environmental and Occupational Toxicology of Nickel  
Member, Subcommittee on Environmental and Occupational Toxicology of Cadmium

SPONSORSHIP OF SYMPOSIA APPROVED BY PRESIDENT

SINCE 40th BUREAU MEETING

(as at 3rd April 1980)

9th International Symposium on Organic Sulfur Chemistry  
(Riga, USSR: 80.06.09-14)

International Conference on Harmonization of pH Scale Recommendations  
(Lisbon, Portugal: 80.06.18-20)

7th International Conference on Raman Spectroscopy  
(Ottawa, Canada: 80.08.04-09)

7th International Conference on Nonaqueous Solutions  
(Regensburg, FRG: 80.08.11-15)

International Symposium on Synthesis and Properties of New Elements  
(Dubna, USSR: 80.09.23-27)

8th International Vacuum Congress  
(Cannes, France: 80.09.22-26)

International Conference on Application of Mössbauer Effect  
(Srinagar, India: 81.04.13-17)

International Symposium on Organometallic Chemistry directed to  
Organic Synthesis  
(Fort Collins, USA: 81.08.02-06)

6th International Conference on Chemical Education  
(University of Maryland, USA: 81.08.09-14)

International Symposium on Harmonization of Collaborative Analytical Studies  
(Helsinki, Finland: 81.08.20-21)

6th IUPAC Conference on Physical Organic Chemistry  
(Louvain-la-Neuve, Belgium: 81.07.11-16)

CHEMRAWN II: International Conference on Chemistry and World Food Supplies  
(Manila, Philippines: 82.02.09-12)

13th International Symposium on Chemistry of Natural Products  
(Pretoria, South Africa: 82.08.20-27)

5th International Symposium on Mycotoxins and Phycotoxins  
(Vienna, Austria: August 1982)

International Symposium on Polymerization of Small Heterocycles and Aldehydes  
(Jabłonna or Krakow, Poland: Summer 1982)

\* \* \*

Sponsorship not granted to:

International Conference on Structure-Property Relations of Polymers  
(Kharagpur, India: 80.12.29-31)

- C. G. OVERBERGER - Member, Executive Committee  
(4) Member, Bureau  
Member, CHEMRAWN Committee  
Associate Member, Commission on Polymer Characterization  
and Properties
- A. PEREZ-MASIÁ - Member, Executive Committee  
(4) Member, Bureau  
Member, Committee on Publications  
Associate Member, Commission on Physicochemical  
Symbols, Terminology, and Units
- F. W. SUNDERMAN, Jr. - Member, Clinical Chemistry Division Committee  
(6) Titular Member, Commission on Toxicology  
Member, Subcommittee on Environmental and Occupational  
Toxicology of Nickel  
Member, Subcommittee on Environmental and Occupational  
Toxicology of Cadmium  
IUPAC Representative, COWS/WASP  
IUPAC Representative, IUPHAR Section on Toxicology
- D. B. TONKS - Member, Bureau  
(4) Titular Member, Commission on Toxicology  
Member, Subcommittee on Environmental and Occupational  
Toxicology of Cadmium  
Member, Subcommittee on Clinical Chemical Standards
- D. H. WHIFFEN - Member, IDCNS  
(4) Associate Member, Commission on Physicochemical  
Symbols, Terminology, and Units  
IUPAC Representative, ISO/TC 12  
IUPAC Representative, IUPAP Commission on Symbols,  
Units, Nomenclature, Atomic Masses, and Fundamental  
Constants

OFFICIAL REPRESENTATIVES OF IUPAC TO ITS SPONSORED

SYMPOSIA APPROVED BY PRESIDENT SINCE 40th BUREAU MEETING

(as at 1st April 1980)

20th International Conference on Coordination Chemistry  
(Calcutta, India: 79.12.10-14) - Prof. KAZUO SAITO

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International Symposium on New Frontiers in Polymer Chemistry and  
Polymer Applications

(Madras, India: 80.01.07-11) - Prof. C. BAMFORD

3rd International Congress on Industrial Waste Water and Wastes  
(Stockholm, Sweden: 80.02.06-08) - Prof. H. SUOMALAINEN

3rd International Conference on Physicochemical Hydrodynamics  
(Madrid, Spain: 80.03.31-04.02) - Prof. A. PEREZ-MASIA

5th International Symposium on Solute-Solute-Solvent Interactions  
(Florence, Italy: 80.06.02-06) - Prof. V. GUTMANN

5th International Conference on Zeolites  
(Naples, Italy: 80.06.02-06) - Prof. L. MALATESTA

3rd IUPAC Symposium on Organic Synthesis  
(Madison/Wisconsin, USA: 80.06.15-20) - Prof. P. YATES

7th International Congress on Catalysis  
(Tokyo, Japan: 80.06.30-07.04) - Prof. S. NAGAKURA

21st International Conference on Coordination Chemistry  
(Toulouse, France: 80.07.07-11) - Prof. N. N. GREENWOOD

SAC 80: 5th International Conference on Analytical Chemistry  
(Lancaster, UK: 80.07.20-26) - Dr. T. S. WEST