

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 102nd MEETING OF EXECUTIVE COMMITTEE

Chemical Society of Japan, Tokyo : 12th-13th April 1983

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

Absent: Dr. W. Graulich

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

1/83 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

The President announced that Dr. Graulich was unable to attend because of poor health.

The following items were added to the agenda circulated by the Executive Secretary (83.03.25):

- 4.6 Plenary Lectures at 29th Congress (Cologne, 83.06.05-10)
- 9.7 1982 Royalties from Pergamon
- 11.9 IUB-IUPAC Joint Commission on Biochemical Nomenclature

2/83 MINUTES OF 101st MEETING OF EXECUTIVE COMMITTEE

2.1/83 Amendments and Approval of Minutes

Subject to replacing "Second" by "Third" in the heading for Minute 17.4/82, the minutes of the meeting in Prague (circulated by the Executive Secretary 82.12.02) were approved.

2.2/83 Matters Arising from Minutes

2.2.1/83 New Mechanism for Publication of Recommendations on Nomenclature and Symbols (Minute 14.2.4/82)

The Chairman of IDCNS, Dr. K. L. Loening, had visited the Secretariat (83.03.09) and amendments were proposed to the revised procedure (82.04.30) for comment and approval of IUPAC recommendations on nomenclature and symbols. In accepting the amendments, the Executive Committee noted that, although the burden would be shifted from the Secretariat, full implementation could still only follow the appointment of a new Information Officer. It was agreed to extend the two-year trial period beyond Lyngby to Lyon and to publish a suitable announcement in PAC and in CI. Prof. Zollinger suggested that consideration be given to including eventually in the Membership Supplement to CI the addresses for national/regional centres involved in the procedure and to try and use FACS as a regional centre. When revised recommendations were published, Dr. Schneider asked that NAOs and national/regional centres should be reminded about the possibility of republication/translation in national journals (point 10 of the procedure should be modified accordingly).

2.2.2/83 Reduced Prices of Publications for Least-developed Countries (Minute 14.2.5/82)

Pergamon had cited various reasons why it was unable to comply with the request

to reconsider introducing a reduced subscription to PAC for LDCs. The reasons were accepted reluctantly by the Executive Committee, which had previously noted that CAS itself had not been very successful in soliciting such reduced subscriptions to Chemical Abstracts.

2.2.3/83 Need for Third Supplemental Agreement with Pergamon Press
(Minute 17.4/82)

The Executive Committee ratified the signing by the President, on behalf of the Union, of the Third Supplemental Agreement drawn up since Prague by Pergamon and the Secretariat.

Prof. Nagakura reminded the meeting that the present contract with Pergamon ran until the end of 1984, then for further periods of one year unless notice of one year was served to discontinue (Minute 17.3/82). He drew attention to an unsolicited letter from Elsevier (83.03.01), expressing interest in being considered in any renegotiations. It was decided to invite the Chairman of the Publications Committee to renegotiate with Pergamon and also to negotiate with Elsevier and Academic Press. The Executive Secretary would check if Swiss law required an open tender for appointment as official publisher to IUPAC.

2.2.4/83 Revision of Advance Information Questionnaire for IUPAC Sponsorship of Symposia (Minute 18/82)

The revised AIQ had been printed and was now in use. Prof. Zollinger pointed out that section 5 would need amendment if the introduction of an Affiliate Membership Scheme was approved at Lyngby.

2.2.5/83 Better Distribution of IUPAC Publications, Specifically Commission Reports (Minute 17.2/82)

Pergamon was unwilling to provide 100 instead of 50 gratis reprints for each Commission report published in PAC, although ready to consider an increased number of reprints in exceptional circumstances. In addition, it had suggested (83.03.16) that, in the best interests of both IUPAC and Pergamon, all possible ways for maximizing the scientific importance of PAC should be discussed. The Executive Committee decided to defer any such discussions with the publisher until the agreed paper was forthcoming from Dr. Mary Good (Minute 6.5/82, Division Presidents - Prague). On behalf of the Publications Committee, Dr. D. P. den Os (83.04.05) had also expressed interest in Dr. Good's paper.

Prof. Zollinger was uneasy at the excessive number of invited lectures (28) published recently in PAC from the International Symposium on Theoretical Organic Chemistry (Dubrovnik, 82.08.30-09.03). The Executive Committee agreed that this was too much detail, preferably issued in bookform, and recommended that the Union should adhere to its stated policy (section 10 of AIQ) to publish 6-12 main lectures from a sponsored meeting in the journal. Some disquiet was also expressed at a tendency to have a multiplicity of keynote lectures rather than a few plenary lectures at IUPAC symposia.

3/83 MINUTES OF MEETINGS OF:

3.1/83 46th Bureau

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

3.1.1/83 Status Review of Associated Organizations with Activity Reports Outstanding (Minute 3.2/82)

Activity statements were now available from the Association of Editors of European

Chemistry Journals and the International Association for Advancement of High Pressure Technology. Their continuation as AOs of the Union was approved by the Executive Committee, although EdEuChem was clearly not very strong and its status should be reviewed critically in 1985. Prof. Ourisson asked for EdEuChem to be informed that the title "European Journal of Chemistry" was already copyrighted, even though it was not used in practice.

3.1.2/83 IUPAC Involvement in Numeric Data Bases (Minute 7.1/82)

Dr. Schneider reported that his Subcommittee was scheduled to meet at Lyngby (83.08.19), with the possibility of some preliminary discussions at the Cologne Congress (83.06.08). In addition to the agreed membership, Prof. A. S. Kertes (Commission on Solubility Data) had been invited as an observer. Dr. Schneider had met with Dr. W. W. Hutchison, President of CODATA, who preferred individual scientific unions to act on the matter, though it was prepared to offer some expert advice. The participation of CODATA should be encouraged in the IUPAC-ICSU AB Joint Symposium on "Chemical Information Flow" (Cologne, 83.06.07). Contact had been established with Comtex Scientific Corp., a specialist in data base services. A summary (82.07.05) was already available of Pergamon's activities and plans for the future regarding data-base publishing. Dr. Schneider was reminded to consult a few competent organizations, such as ACS, prior to Lyngby, and to talk to Prof. C. N. R. Rao at Lyngby on behalf of third world countries.

3.1.3/83 28th International Symposium on Macromolecules (Minute 11.1/82)

The President reported that the US National Committee for IUPAC had ascertained the exact dates and where the two Soviet visa applications were made (no details were forthcoming from the National Committee of Soviet Chemists). As requested by the Bureau, he had then written (82.12.28) to the Soviet and USA NAOs about the matter. No replies had been received, which the Executive Committee interpreted as meaning acceptance of the need for entry visa applications to be made in compliance with IUPAC's 3 months/1 month policy.

It appeared that some embassies/consulates were unwilling to accept visa applications 3 months prior to a meeting. The Soviet and USA NAOs, indeed all member countries of the Union, should be asked to inform the Secretariat of any such cases as they arise, so that the Union may seek official reaction and try to obtain some improvement. IUPAC might even consider maintaining a listing of uncooperative embassies/consulates.

3.1.4/83 Applications from IUPAC for ICSU Grants in 1984 (Minute 4.1/82)

Regarding the grants from ICSU for 1983, the Executive Secretary reported that

- (i) the US-\$3 000 had been allocated by the Chairman of the Commission on Solubility Data to assist attendance of several experts at its meeting at Lyngby;
- (ii) from the US-\$2 000 for supporting participation of chemists from third world and developing countries at Lyngby, US-\$500 had been offered to the NAOs in Cuba, Portugal, Turkey, and Venezuela.

Priorities identified by the Executive Committee for grants from ICSU in 1984 were CHEMRAWN III (US-\$10 000 to assist participation from third world countries outside Europe), annual meeting of the Commission on Solubility Data, continued deliberations of the Subcommittee on Numeric Data Bases, dissemination of new major compendia of recommendations on nomenclature and symbols. Depending on any further initiative by IDCNS at Lyngby, a grant might be sought in 1985 to help in preparation and dissemination of glossaries (see Minute 17.5/82, 101st Executive Committee - Prague).

3.2/83 Division Presidents (82.09.11)

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

3.2.1/83 Involvement of Secretariat in Collaboration with ISO

The Executive Committee noted that, since 82.10.19, all contact from ISO to IUPAC was directly with the interested Divisions in respect of comments on draft ISO International Standards and for representation at meetings of ISO Technical Committees or vice versa.

3.3/83 Committee on Teaching of Chemistry (82.09.01-02)

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

Prof. West reported that, starting in 1983, the International Newsletter on Chemical Education would be handled completely by CTC without any involvement of the Secretariat in production and dissemination. It was recommended to check with UNESCO, which financed the Newsletter, about freedom of reproduction/translation, particularly regarding the special issue devoted to Computers in Chemical Education. If possible, there should be a permanent note encouraging reproduction/translation.

CTC referred to a "panel" of IOCD (Minute 82/21). Prof. Zollinger would find out what panel that is, because it did not seem to be a statutory body of IOCD. He drew attention to an IOCD International Chemical Workshop on Chemistry, Food and Agriculture in Ljubljana (82.08.26-31), organized by Prof. A. Kornhauser, on the same subject area as CHEMRAWN II. According to Secretary General P. Crabbé, it was not an official activity of IOCD and Prof. Kornhauser had not been present in Manila. As the official representative of IUPAC, Prof. Zollinger was asked to ascertain from the IOCD President, Prof. G. T. Seaborg:

- (i) why the French version (official) of the IOCD statutes was longer than the English, although apparently translated from the latter;
- (ii) what was the exact relationship of IUPAC to IOCD;
- (iii) whether any fee had to be paid by IUPAC as implied in the statutes;
- (iv) if IOCD could send Prof. Crabbé to Lyngby to establish how IUPAC can collaborate more effectively.

3.4/83 Interdivisional Committee on Nomenclature and Symbols (82.09.05-06)

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

Prof. Ourisson said that various IUPAC compendia of recommendations on nomenclature and symbols must be judged a success, because they were apparently selling well or sold out and in process of being reprinted/updated.

3.5/83 Committee on Chemistry and Industry (82.09.17)

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

Prof. Michalski had talked personally with Prof. K. H. Büchel in Leverkusen last autumn and he appreciated IUPAC concern for more regular activity of COCI.

Prof. Nagakura would write officially to invite Prof. Büchel to report on COCI in person to the Bureau at Lyngby (83.08.24).

3.6/83 CHEMRAWN Committee (82.12.11)

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

Dr. Schneider anticipated that the recommendations volume from CHEMRAWN II would be available for Lyngby: the proceedings volume was also progressing well. He noted some confusion (Minutes 7 and 27) regarding the amount of money to be returned to IUPAC. From their attendance in Manila, both Dr. Schneider and Prof. Zollinger confirmed the scientific and political success of CHEMRAWN II, attributable in particular to the personal involvement of Dr. B. W. Rossiter.

Prof. Zollinger was worried whether CHEMRAWN III (Den Haag, 84.06.25-29) would live up to the quality of CHEMRAWN I and II, and he expressed doubts about the title "World Conference on Material Resource Conversion to Meet Future Needs: (Bio) Chemical Process Bridge". Dr. Schneider was concerned that, despite his advice, the main organizing committee was also doing the scientific programme work for CHEMRAWN III. As its sponsor, the Executive Committee endorsed the support of Dr. Rossiter for the chosen conference title, but requested inclusion in the second circular of a statement that it was a follow-up conference to CHEMRAWN I.

3.7/83 Finance Committee (83.02.14-15)

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

3.7.1/83 Consultation of Finance Committee on Financial Matters (Minute 2.2/83)

The Executive Committee noted the concern that the Finance Committee had not been consulted on several items where its involvement seemed to be justified. It was left to the judgement of the Secretary General and Treasurer to consult at least the Finance Committee Chairman in future.

Brief consideration was given to some matters not dealt with elsewhere on the agenda:

- (i) Minute 15.5/82, 101st Executive Committee - Although not a stated responsibility in its Standing Orders, the Finance Committee was competent to advise the Executive Committee on means of raising extra money for IUPAC and was requested so to do.
- (ii) Minute 17.3/82, 101st Executive Committee - Regarding guidance on publication philosophy and policy, the Executive Committee endorsed the Finance Committee's recognition of the need for wider publicity and dissemination of the recommendations and publications of the Union. It agreed that IUPAC must, however, at least balance its publication budget.
- (iii) Minute 17.5/82, 101st Executive Committee - It agreed that glossaries were of great value to developing countries and UNESCO should be approached (possibly through ICSU) for financial support (see Minute 3.1.4/83 above).
- (iv) Minute 4.2/82, 46th Bureau - It accepted that for each future CHEMRAWN Conference an outline budget must be submitted as part of the information needed for granting official sponsorship of the Union.
- (v) Minute 7.3/82, 46th Bureau - The Executive Committee ruled that Finance Committee considerations on dissemination of IUPAC news were outside its terms of reference.

3.7.2/83 Statement of Accounts for 1982 and for Financial Biennium 1981-2
(Minute 3.1/83)

Main reasons for the higher (US-\$76 630) than budgetted (US-\$21 500) surplus on the general purposes account were noted, particularly the surplus (US-\$19 000) on publications instead of an expected deficit (US-\$22 500). Prof. Overberger enquired about the expenditure on CHEMRAWN activities (US-\$44 691), but subsequently declared himself satisfied with the details.

The Executive Committee accepted the recommendation of the official auditors, Neutra Treuhand AG, that the accounts for 1982 be accepted and submitted to Council at Lyngby.

The final situation for the financial biennium 1981-2 was:

1981 - surplus of US-\$15 000
1982 - surplus of US-\$77 000
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total surplus of US-\$92 000

3.7.3/83 Status of 1982 Payments and Review of New Dues Structure (Minute 5.1/83) and 1983 Estimate (Minute 5.2/83)

The Finance Committee had made full allowance for the outstanding 1982 national subscriptions as invoiced but, recognizing that some countries might never pay in full, had included provision for bad debts of US-\$50 000. Assuming that eventually IUPAC received sufficient of the monies outstanding for 1982 to reach a total subscription income for that year of US-\$350 000, the new dues structure adopted by Council at Leuven would be vindicated financially, apart from its greater fairness. The budgetted income in 1983 from national subscriptions was left at US-\$400 000, but an expenditure item was included of US-\$70 000 as provision for bad debts.

A letter (83.02.08) from the Spanish NAO was considered. The Executive Committee agreed that, because Statute 3.3 had not been changed at Leuven, Spain might still choose to which membership category it wished to be assigned. Spain must, however, declare its choice of category in the new dues structure, which must then be referred for approval by Council at Lyngby (Bylaw 2.21).

3.7.4/83 UK Proposal for Formal Dues Calculation and Category Allocation
(Minute 6.1/83)

A refined dues scheme proposal (83.03.07), based on the UK formula approach relating national subscription to chemical turnover, was received from the Finance Committee. After careful examination the Executive Committee voted (4 in favour, 2 against, 1 abstention) to circulate the refined proposal, subject to preparation of a simpler introduction by the Secretary General, in mid-May for discussion by the NAOs prior to the Council meeting at Lyngby. It should be emphasized that the basic principles of the Leuven scheme were all retained, the concept of "forward averaging" should be mentioned for countries like USSR, and a 7-vote category (>US-\$60 000) should be added.

Dr. Schneider observed that, if world inflation decreased, it might become unnecessary to inflate the dues by about 10% every year.

3.7.5/83 Alternative Criteria to Chemical Turnover (Minute 6.2/83)

Alternative criteria, suggested by Spain (82.01.12) as a basis for membership categories of IUPAC, had been evaluated by the Finance Committee. It had concluded that the number of chemical papers published in a country gave rise to more anomalies than CT as a basis for an IUPAC dues structure, while other criteria

had even less value. The Executive Committee was not in favour of using additional criteria to CT in order to judge difficult cases.

3.7.6/83 Per Diem Allowance for 1983 (Minute 7/83)

The Executive Committee accepted the recommendation of the Finance Committee to maintain the daily subsistence allowance for 1983 at US-\$55.

3.7.7/83 Revised Budget for 1983 (Minute 8/83)

The revised budget for 1983 (as of 83.02.15) was noted. Publications were expected to be in surplus (US-\$3 500), but the overall excess of expenditure over income (US-\$90 500) was higher than previously anticipated. This was primarily because of provision for bad debts (see Minute 3.7.3/83 above). After differing opinions had been expressed about provision made by the Finance Committee for repayment to general funds of the Union of US-\$15 000 from CHEMRAWN II, the Executive Committee agreed that the US-\$5 000 "seed money" must be returned from any CHEMRAWN II surplus. Although the Finance Committee was anxious to see the additional US-\$10 000 contribution repaid to IUPAC, the Executive Committee did not regard that as mandatory. When the financial outcome of CHEMRAWN II was clear, the future philosophy of CHEMRAWN should be discussed with Dr. Rossiter.

3.7.8/83 Draft Budgets for 1984 and 1985/Forecast for Financial Biennium 1983-4 (Minute 9/83)

Brief consideration was given by the Executive Committee to the draft budgets for 1984 (surplus of US-\$31 500) and 1985 (deficit of US-\$33 500), which would be reviewed by the Finance Committee at Lyngby before the Council meeting. An overall deficit (US-\$59 000) was presently anticipated for the financial biennium 1983-4. The Executive Committee endorsed the conclusion of the Finance Committee that there was no basis at Lyngby to lift the restriction of six Titular Members for Commissions, although it felt there might be a possibility to return to eight Titular Members at Lyon. The Division Presidents should be informed immediately.

3.7.9/83 Membership (Minute 10/83)

The President referred to a letter (83.02.18) from the Finance Committee Chairman, favouring the appointment from Japan of a financier with an interest in chemistry. Prof. Nagakura had identified at least three possible candidates, one of whom he had already interviewed. After meeting the other two, he hoped to fill the membership vacancy before Lyngby.

3.7.10/83 Affiliate Membership Scheme (Minute 11/83)

Discussion was deferred until item 5 of the agenda (see Minute 5/83 below).

3.7.11/83 IUPAC Treasurer (Minute 13/83)

Attention had been drawn by Dr. Graulich to some relevant points. Dr. A. Hartmann had confirmed that his commitments prevented him offering himself as a candidate. Prof. A. Björkman had already been nominated and candidates were expected to be proposed shortly from chemical industry in Belgium and in Netherlands. A nomination from France was also likely.

4/83 FUTURE IUPAC GENERAL ASSEMBLIES AND CONGRESSES

4.1/83 Status of 32nd General Assembly (Lyngby, 83.08.18-26)

(i) Despite stringencies of reimbursement for travel and subsistence, the

Executive Secretary reported that the attendance of Titular Members was the highest so far recorded (95.5% compared with a 15% allowance for non-claims/non-attendance). The overshoot on budget (US-\$17 000 with a further US-\$4 000 of claims outstanding) could, in effect, be counter-balanced by the Belgian government subsidy for Leuven (US-\$20 500) received in 1982.

- (ii) An agenda for the Council meeting, drafted by Dr. Williams, was approved subject to slight rewording of item 9. Dr. Rossiter would be invited to address both the Bureau and Council on CHEMRAWN activities.
- (iii) The Executive Secretary reported on nominations so far received from NAOs for vacancies amongst Officers of the Union and for Elected Members of the Bureau. The Executive Committee supported the suggestion of Prof. Zollinger, in view of the recommendation not to lift the restriction to six Titular Members for Commissions (Minute 3.7.8/83 above), that there should be only eleven Elected Members of the Bureau for the period 1983-5.
- (iv) Division Presidents and Secretaries had been invited to a Briefing Meeting at Lyngby, with the Secretary General, Assistant Secretary General, Deputy Executive Secretary, and Editor of CI, immediately prior to the General Assembly. The purpose was to try and ensure Division Officers were clear regarding input of essential documentation to the Secretariat from Divisions and Commissions during the Assembly. The quality of the input at Leuven had been lower than previously, leading to unnecessary subsequent work for the Secretariat. Submission of accurate information at the Assembly would, for example, expedite early publication of Membership Lists of IUPAC Bodies 1983-5.

If Division Secretaries needed to extend their stay at Lyngby by one day to complete properly their input of documentation, the Executive Committee agreed to grant them subsistence for an extra day. It was agreed that this meeting between Union Officers and Division Presidents and Secretaries should be a regular feature, timetabled into future General Assemblies, and that Division Secretaries should be required in future to spend an extra day after their final Division Committee meeting at the Assembly for the purpose of presenting the Deputy Executive Secretary with the necessary information for membership lists, programme activities, etc.

4.2/83 Arrangements for 33rd General Assembly (Lyon, 85.08.30-09.07)

Following the visit of the Deputy Executive Secretary to Lyon (83.01.30-02.02), a per diem allowance of US-\$40 was anticipated by using dormitory accommodation at the Ecully campus. This was accepted by the Executive Committee: persons wishing to stay elsewhere would have to find the additional money from outside the Union. Prof. Ourisson was confident that local chemical industry or regional bodies would finance a shuttle bus service, if necessary, between Lyon and Ecully (existing public transport was inadequate). It was noted that the Finance Committee (Minute 9/83) had made a provisional allocation of US-\$261 000 for the Assembly (cf. US-\$292 000 for Lyngby).

4.3/83 Arrangements for 30th Congress (Manchester, 85.09.09-13)

After considering the branches of pure and applied chemistry to be covered and suggested topics/themes (as at 83.03.09), the Executive Committee decided to ask the organizers to avoid the impression of a collection of mini-symposia and to concentrate on fewer topics/themes (especially for inorganic, physical, and industrial chemistry). Dr. Schneider said that, in his critical assessment of IUPAC projects and programmes (see Minute 7/83 below), the Congresses were

deemed to give insufficient consideration to the inclusion of clinical chemistry. It was agreed:

- (i) to invite the Clinical Chemistry Division of the Union to propose a sub-theme to fit in with the Congress section dealing with the role of organic chemistry in drug discovery;
- (ii) to seek comments from the Division Presidents on the scientific programme plans of the organizers;
- (iii) to request the organizers to make available to IUPAC, in good time, the names of the plenary lectures (see Minute 4.6 below).

{4.4/83 Invitations for 34th General Assembly (1987)

{4.5/83 Invitation for 31st Congress (1987)

Hungary and Israel had withdrawn their invitations to host the Assembly, being unable to meet the requirements listed in the questionnaire (Minute 5.3/82, 46th Bureau - Prague). Detailed answers were available from Sweden and USA, with Sweden expressing possible interest in organizing the Congress. Prof. Overberger cautioned that there might now be some difficulties to holding the Assembly in USA. Bulgaria had already confirmed (Minute 5.4/82, 46th Bureau) its wish to host the Congress. From past personal experience, Profs. Michalski and Ourisson testified to the competence of Bulgaria to organize large-scale scientific meetings successfully and good participation from East European countries could be anticipated.

The Executive Committee resolved that:

- (i) assuming USA could confirm before Lyngby its readiness to organize the Assembly in Cambridge/Massachusetts, Council should be recommended to accept the invitation and that from Bulgaria for the Congress;
- (ii) Sweden should be asked to defer its invitation for the Assembly until 1989 and to explore whether it might also be able to host the Congress that year.

4.6/83 Plenary Lectures at 29th Congress (Cologne, 83.06.05-10)

Prof. Zollinger was concerned that the Opening Lecture, as in Vancouver (1981), would be given by Prof. M. Eigen and on the same subject. Prof. Ourisson pointed out that the plenary lecturers had been selected from only two countries (FRG and USA) and, of lesser importance, Prof. J. M. Lehn was a Section Lecturer in two different Sections. The Secretary General was asked to try and ensure that future organizers avoided duplication with previous Congresses and achieved a truly international character in the roster of invited speakers. It might be worthwhile to have representatives from the previous and next following Congresses on the current organizing committee for good continuity and even for the Executive Committee of the Union to act as an International Advisory Committee.

5/83 REPORT ON AFFILIATE MEMBERSHIP SCHEME

Prof. West reported the results of the poll conducted in five countries (Minute 6/82, 46th Bureau). About 11 000 persons had indicated they might become a member, say 20 000 from all 44 IUPAC countries. If only 5 000 joined in practice, this should be a viable number. The provisional cost to the Union of less than US-\$10 per person appeared realistic. In any case, the Finance Committee had recommended (Minute 14/82) that IUPAC might subsidize the scheme during the first two years, after which it would be self supporting.

A letter (83.03.31), outlining the probable NAO component cost in FRG, set what was regarded by the Executive Committee as a rather high figure and would need checking. Analogous data was being sought from other countries, such as UK and USA (Dr. Williams presented some preliminary information for UK). Pergamon had offered Affiliates a 25% reduction on the cost of all future publications (except PAC), and a condition of sponsorship of symposia by the Union could be that Affiliates were entitled to a 10% reduction in registration fee. Members from countries without a national chemical society or one not having a professional secretariat would be handled by the new Affiliate Affairs Officer to be appointed at Oxford.

On the basis of the poll and despite some doubts about participation from East Europe, the Executive Committee requested Prof. West, in conjunction with Profs. Ourisson and Zollinger and the Executive Secretary, to prepare a summary document, recommending launch of the scheme from the start of 1985, for circulation to NAOs in mid-May and vote in Council at Lyngby.

6/83 REPORT OF COMMITTEE ON LIMITATION OF TOTAL SERVICE IN IUPAC

Prof. Zollinger referred to his circulation of 83.02.16 to Division Presidents, summarizing the conclusions of the Committee. Taking into account all comments received, the Executive Committee resolved to recommend the following amendments to Bylaw 4.304:-

A new paragraph should start in line 10 (following "... consecutive years") in line 9) as follows:

"Exceptional circumstances must be established and special permission of the Bureau obtained for

- (i) the reappointment as a Titular Member of a person who has served eight years as a Titular Member, whether consecutive or not,
- (ii) the rotation of a person through alternate periods of Titular and Associate Membership beyond a total of twelve years,
- (iii) the replacement by a Division or Section President between General Assemblies of a Member of a Commission,
- (iv) consecutive membership of two or more Commissions of the same Division or of different Divisions, or of different Division Committees, beyond twelve years.

The amendments might be adopted by the Bureau at Lyngby as guidelines for 1983-5, with a change of Bylaw to be proposed to the NAOs eight months before the meeting of Council at Lyon (Bylaw 6.2).

7/83 1982-3 CRITICAL ASSESSMENT OF IUPAC PROJECTS AND PROGRAMMES BY VICE-PRESIDENT/MAY 1983 CURRENT PROGRAMMES LISTING

Dr. Schneider elaborated briefly on his precirculated critical assessment. Although some referee comments were still outstanding, they were unlikely to change the draft conclusions substantially. Profs. West and Zollinger confirmed the view of the Executive Secretary that the decision of Council at Leuven (Minute 19/81) was for "suspension" rather than "dissolution" of the Commission on Analytical Radiochemistry and Nuclear Materials (V.7). The Executive Committee congratulated Dr. Schneider on the excellency of his report and fully endorsed the recommendations made on the five Commissions suspended in 1981. The report should be circulated to the Bureau and NAOs in mid-May, three months prior to Council at Lyngby (Minute 19/81, 31st Council - Leuven).

The Executive Secretary drew attention to correspondence with the Applied Chemistry Division, disagreeing with the decision to omit from the 1983 Current Programmes all mention of symposia (Guideline 3.2 for IUPAC Projects: Appendix A, Division Presidents - Prague). Noting that the various Divisions treated symposia somewhat differently, the Executive Committee decided to include in the next Current Programmes, as an appendix, a listing of all forthcoming IUPAC-sponsored symposia, under the relevant Divisional headings and with an appropriate note in the introduction.

Dr. Williams was concerned at the negligent approach of some Divisions and Commissions to completion of the Annual Project Progress Report forms distributed from the Secretariat (February 1982) on behalf of Dr. Schneider. In some cases the Division President had merely signed the forms without any input whatsoever from a Commission. In order to improve the situation, Miss Troughton and Dr. Williams had proposed (83.03.22) a mechanism for the 1983-4 critical assessment, which envisaged completion of the Progress Reports at Lyngby. That would also facilitate earlier publication of the next Current Programmes. The Executive Committee approved the proposed mechanism, with Dr. Schneider making some suggestions for the format of the Continuation Sheet to be added to the existing Progress Report form, in particular inclusion of a one-page summary, where necessary, so that it was clear to a referee exactly what was involved in a project. It was decided to defer a suggestion from the Deputy Executive Secretary to publish a short summary (100 words) for each project in the next Current Programmes.

8/83 RATIONALIZATION OF WORK OF IUPAC SECRETARIAT

Prof. West said that, on behalf of the Secretary General, he had conducted the annual inspection of the Secretariat on 83.03.08 and was pleased to report further progress in implementing the recommendations for reorganization (Minute 7.1/82, 100th Executive Committee - Den Haag; Minute 16/82, 101st Executive Committee - Prague):

- earlier drafting of minutes by the Executive Secretary
- transfer from the Executive Secretary to his personal secretary of some responsibilities (handling of monthly accounts and greater responsibility for correspondence)
- transfer from the Executive Secretary to his Deputy of complete responsibility for appointments to Division Committees and Commissions
- transfer of other responsibilities to the Deputy Executive Secretary and delegation by her of some duties to her personal secretary were delayed pending the anticipated return of Mrs. A. U. Inglis in mid-1983
- Mr. Gujral was now entitled Scientific Publications Secretary, dealing with all matters relating to sponsorship of symposia, but discontinuing or reducing considerably some other tasks
- regular meetings were being held each week for senior staff
- proposals had been tabled for a new telephone system, slightly shorter working hours on a Friday, and for some salary/grading amendments

Progress towards an office computer system with word processor capacity had been slow due to the heavy other commitments of the Deputy Executive Secretary. The Executive Committee urged Dr. Williams to table a proposal at Lyngby, noting that some additional office space had been identified in the Secretariat building. Dr. Schneider recommended that paid consultant advice be sought, if necessary, to expedite progress in procurement of the office computer system.

The Scientific Publications Secretary was due shortly (83.05.31) to assume full responsibility for all matters relating to approval of Commission reports. A problem still to be settled was the appointment of a Scientific Editor of PAC.

9/83 PUBLICATIONS

9.1/83 Status of Chemistry International

Prof. West and Dr. Williams were pleased to report that Pergamon had agreed (82.10.25) to support IUPAC's plan to reorganize CI (Minute 7.3/82, 46th Bureau). Mr. R. W. Fennell had been appointed temporary part-time editor from 82.11.01 and the magazine should be back on regular bimonthly publication schedule by the third issue for 1983. All Divisions and Standing Committees had now appointed representatives to the new CI Editorial Board, which would hold its inaugural meeting at Lyngby (83.08.19). Mr. Fennell was expected to continue as editor at least for 1983. The appointment of a full-time editor would depend on the outcome of the Affiliate Membership Scheme (see Minute 5/83 above).

The Executive Committee noted that initial reactions from various IUPAC authorities to the first issue of CI in 1983 were favourable to the change to a strong emphasis on news of IUPAC activities. It was hoped to improve the readability with further experience and to maintain an attractive appearance. A suggestion from Prof. Zollinger, to solicit the opinions of the NAOs in mid-May, via a questionnaire on the first two issues of the magazine this year, was accepted by the Executive Committee.

9.2/83 Proposed ICSU Press (Minute 7.4/82, 46th Bureau)

The ICSU Executive Board (83.01.25-26) had reacted favourably to the proposals of the ICSU Committee on Publications and Communications (COPAC) to found an ICSU Press and authorized, in principle, the creation of the Press subject to clarification of the legal position. Details and implications for IUPAC were awaited from Dr. D. P. den Os (Chairman, IUPAC Publications Committee), who was a member of COPAC and Secretary-Treasurer of the ICSU Press.

9.3/83 Publication of Material from 32nd General Assembly

The Executive Committee approved a suggestion from the Secretariat for CI Supplement 1984 to consist solely of Membership Lists of IUPAC Bodies 1983-5 (but to include a reference to 32nd General Assembly). The Council material and synopsis minutes from Lyngby would be published, as they became available, in normal issues of CI. Prof. Ourisson preferred to see a more substantial cover on Supplement 1984 than for the two earlier Supplements.

9.4/83 Solubility Data Series

Prof. Zollinger reported briefly on a meeting with Prof. A. S. Kertes in Jerusalem last autumn. Prof. Kertes had pointed out that all members of the IUPAC Publications Committee were currently of an editorial background and no active chemists were involved. In addition, he was critical that his name, as Editor-in-Chief of SDS, was no longer displayed prominently on each volume. It was left for the Executive Secretary to resolve the second matter.

9.5/83 Stability Data Project

A proposal (83.02.21 and 83.03.16) had been received from Prof. S. Ahrland about financing a data bank for stability data by the Swedish Natural Science Research Council and use of computer facilities at the Swedish Royal Institute of Technology library. Dr. Schneider observed that the proposal might offer a general mechanism for IUPAC to follow in such matters through delegation to a specific institute or organization. Prof. Ahrland should be invited to make a detailed submission to the Lyngby meeting of the Subcommittee on Numeric Data Bases (see Minute 3.1.2/83 above) and to participate as an observer.

9.6/83 1982 Publications Committee Minutes

Pergamon had commented in detail, but late (82.10.08) on the minutes of the 1982 Publications Committee meeting (Minute 17.1/82, 101st Executive Committee), and Dr. den Os' reactions to those comments were only just available (83.03.25). The Executive Committee decided to accept the advices of Dr. den Os and it was left for the Executive Secretary to resolve matters with Mr. Gujral and Pergamon, particularly with respect to reprinting of Nomenclature of Organic Chemistry (the Blue Book). In future the Scientific Publications Secretary must give priority to drafting minutes after a meeting of the Publications Committee. It was inappropriate to provide Pergamon (a contractor) with the full minutes: Pergamon should only receive a brief summary of relevant decisions and agreements reached.

9.7/83 1982 Royalties from Pergamon

Pergamon's royalty statements, detailing sales in 1982 of the various IUPAC publications, had just been received (83.03.31). Gross royalties totalled US-\$108 920 (US-\$110 045 in 1981). A rise of US-\$10 000 in royalty from PAC was due entirely to an increase in subscription rate (number of subscribers unchanged from 1981). There was no net royalty on SDS in 1982, but a modest increase (US-\$3 000) on gross royalties from other books. Prof. Perez-Masiá cautioned that compilation fees, where applicable for data projects, must definitely be used for compilation purposes, because there was some criticism from other Commissions which worked entirely voluntarily for the Union.

10/83 RELATIONS WITH OTHER ORGANIZATIONS

10.1/83 ICSU Matters

10.1.1/83 ICSU Visa Certificate

Final agreement on the introduction of the Certificate was expected at the forthcoming ICSU General Committee meeting (Warsaw, 83.08.04-05). With the exception of Prof. Perez-Masiá, the Executive Committee resolved to use the Certificate for IUPAC-sponsored symposia, subject to comments made by the Executive Secretary (83.01.18) and addition of a note that it was for exceptional, not routine cases, otherwise a massive bureaucracy might be generated.

10.1.2/83 Report of IUPAC to ICSU for 1982

Comments were invited in Tokyo or by 83.04.25 at the Secretariat on the report drafted by the Executive Secretary. Dr. Schneider suggested that a reference should be included to visa problems at the 28th International Symposium on Macromolecules (see Minute 3.1.3/83 above). Prof. Perez-Masiá thought that it would be worthwhile to mention the large number of activities detailed in the IUPAC Current Programmes listing.

10.1.3/83 Scientists and Peace

The Executive Committee considered a statement (82.05.14) from the ICSU Executive Board to the 2nd Special Disarmament Session of the UN General Assembly, calling on member countries to make every effort to save mankind from the threat of nuclear war. Prof. Ourisson agreed to write a letter of support from IUPAC and expressing interest in any proposal initiated by ICSU to contribute substantially to the cause of peace.

10.1.4/83 Global Change

A paper on a global project to examine the changes taking place on Earth which

had affected or were likely to affect its habitability, had been circulated by ICSU for comment by the international scientific unions. In view of the existence of Man and the Biosphere and similar projects, related to global change, Dr. Schneider doubted if a new separate initiative by ICSU was necessary. He was asked to write accordingly to ICSU.

10.2/83 European Federation of Corrosion

An application (82.09.21) for Associated Organization status of the Union from the European Federation of Corrosion had been referred for advice by the Physical Chemistry and Applied Chemistry Divisions of IUPAC. Support was forthcoming from the Physical Chemistry Division, which envisaged useful interactions with its Commissions on Electrochemistry and on Colloid and Surface Chemistry including Catalysis. The Executive Committee decided to request the Bureau to recommend Council at Lyngby to accept the application.

10.3/83 ICSU Abstracting Board

The President of ICSU AB had written to Prof. Nagakura (82.11.16), seeking IUPAC support for its continuation. Dr. Schneider shared existing and previous doubts by IUPAC about the need for and effectiveness of the AB. The Executive Committee resolved to await the outcome of the forthcoming IUPAC-ICSU AB Joint Symposium (see Minute 3.1.2/83 above). If ICSU AB made no positive impact at Cologne, the Bureau at Lyngby would be advised to withdraw IUPAC from the AB at the end of 1983.

10.4/83 Application for IUPAC Membership from Peru

An application (82.12.27) had been received for Category D membership of the Union by Sociedad Química del Peru, together with its statutes, details of the current officers, and an account of past activities. Prof. Perez-Masiá spoke in support and the Executive Committee decided to request the Bureau to recommend Council at Lyngby to accept the application. Also it was agreed to send a scroll commemorating the 50th anniversary of SQP on 83.10.17.

10.5/83 Observer Country Status for Chilean Chemical Society

An application (83.03.10) from Sociedad Chilena de Química for Observer Country status was accepted by the Executive Committee, subject to a check being made by Prof. Perez-Masiá and receipt of its statutes and some information about its activities.

10.6/83 International Organization for Biotechnology and Bioengineering

An application (83.01.31) from IOBB for Associated Organization status of the Union had been studied by Dr. Schneider. The Commission on Biotechnology (VI.2) had earlier identified several of its members who were active in IOBB and might serve as official liaison representatives. Despite being an organization of laboratories and institutions and because IUPAC had a relevant Commission struggling for activity, Dr. Schneider advocated acceptance of the application. The Executive Committee would request the Bureau to recommend Council at Lyngby to accept the application.

11/83 IUPAC BODIES

11.1/83 Ratification of Memberships Approved by Correspondence

The following appointments to membership of IUPAC bodies, made through correspondence by the President since the 46th Bureau meeting (Minute 10/82)

were ratified by the Executive Committee:

CHEMRAWN Committee

Dr. G. S. Sidhu (India), presently an Associate Member, to replace (1983-7) as a full Member Prof. D. Behrens (resigned)

COCI (Minute 15.3/82, 101st Executive Committee)

Reappointed for second four-year term:

Ir. R. Mormont (Belgium)	- 1983-6
Prof. D. Sianesi (Italy)	- 1983-6
Dr. P. Rhyner (Switzerland)	- 1983-6

11.2/83 CHEMRAWN Committee

On the recommendation of Dr. Rossiter, the Executive Committee approved the reappointment as a full Member for a second four-year term (1983-7) of Dr. M. Uchida (Japan).

11.3/83 Committee on Teaching of Chemistry

The Executive Committee considered suggestions from CTC (82.09.08) and from COCI (82.09.30) to fill the membership vacancy arising from the resignation of Sir Morris Sugden. It was decided to adhere to the previous decision (Minute 11.2.7/81, 98th Executive Committee - Leuven) to appoint Prof. J. T. Shimozawa (Japan).

11.4/83 IUB-IUPAB-IUPAC Commission on Biothermodynamics

The Vice-President said that he had been unable to cover CB in the current critical assessment. Recent correspondence with the Secretariat had indicated some instability of CB, and the Executive Committee accepted Dr. Schneider's suggestion to refer the documentation for consideration in the next critical assessment. IUB and IUPAB should be advised accordingly. It was resolved, for the present, not to fill the membership vacancy arising from the death of Dr. G. T. Armstrong.

11.5/83 Principles and Guidelines for Financial Allocations to Divisions and Standing Committees

Dr. Schneider was anxious to see some principles and guidelines established for the IUPAC Officers to use in the biennial allocation of funds to Divisions and Standing Committees. He agreed to prepare a document for consideration by the Executive Committee at Lyngby.

11.6/83 Applied Chemistry Division Rules

The Executive Secretary said that the revised rules showed only slight changes from those withdrawn at Leuven (Minute 11.3/81, 43rd Bureau). The Executive Committee agreed to request the Bureau to recommend Council at Lyngby to approve the revised rules.

11.7/83 1982 Ordinary General Assembly of IUB (Perth, 82.08.12)

The official representative of IUPAC, Prof. P. R. Jefferies, had drawn attention (83.03.14) to difficulties arising from the absence of Soviet delegates, who had not been issued with entry visas by the Australian authorities. Care

should be taken in future, when granting IUPAC sponsorship to symposia in Australia, regarding provision of visas for bona fide scientists.

11.8/83 Non-IUPAC Financial Support of Participation in Meetings of IUPAC Bodies

Dr. K. L. Loening had suggested (83.03.09) that goodwill would be engendered by IUPAC sending a letter of appreciation to an organization whose employee had been supported by them, over a number of years, in respect of travel/subsistence for IUPAC meetings or through provision of office facilities for IUPAC work. There were mixed feelings within the Executive Committee about the suggestion. A difficulty would be to identify exactly who should be sent the appreciation letter and, in some cases, harm might be done by drawing attention to these matters. It was agreed that the President of the Union should write specifically when the current Treasurer and Chairman of CHEMRAWN Committee retired from office.

11.9/83 IUB-IUPAC Joint Commission on Biochemical Nomenclature

IUB had reminded IUPAC (83.02.13) that the two Unions were due to review the future of JCBN in 1983 (cf. Minute 6.3/80, 95th Executive Committee - Villefranche). The Executive Committee accepted Dr. Schneider's recommendation, following his critical assessment, to advise IUB that IUPAC supported the further continuation of JCBN.

12/83 SPONSORSHIP: REPRESENTATION, SPONSORSHIP, SUBVENTION

12.1/83 Ratification of Sponsorships Approved by Correspondence

The sponsorships of symposia, approved through correspondence by the President since the 46th Bureau meeting (see Appendix A), were ratified by the Executive Committee. In addition, it had been necessary to withdraw sponsorship from the International Symposium on Polymerization of Small Heterocycles and Aldehydes, originally planned for Jablonna or Krakow during summer 1982. Even Prof. Michalski had been unable to obtain any information about rescheduling.

12.2/83 Ratification of Official Representatives to Symposia in 1983

The appointments of official representatives of IUPAC to its sponsored symposia in 1983, as made by the President through correspondence since the 46th Bureau meeting (see Appendix B), were ratified by the Executive Committee.

13/83 DATE AND PLACE OF NEXT MEETING

The next meeting was confirmed for 23rd August 1983 at Lyngby during the General Assembly.

VOTE OF THANKS

Prof. Nagakura asked for thanks to be recorded for the provision of help, facilities, subvention and hospitality by the Chemical Society of Japan and by the Japanese Company Associates.

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CHAIRMAN: 

DATE: 23rd August 1983

SPONSORSHIPS OF SYMPOSIA BY IUPAC APPROVED
BY PRESIDENT SINCE 46th BUREAU MEETING

(as at 83.03.25 : see also Minute 11.2/82, 46th Bureau)

6th International Symposium on Plasma Chemistry
(Montreal, Canada: 83.07.25-28)

11th International Conference on Organometallic Chemistry
(Pine Mountain/Georgia, USA: 83.10.10-14)

26th Prague Microsymposium on Macromolecules
(Prague, Czechoslovakia: 84.07.09-12)

27th Prague Microsymposium on Macromolecules
(Prague, Czechoslovakia: 84.07.16-19)

8th International Conference on Chemical Thermodynamics
(Hamilton, Canada: 84.08.13-17)

10th International Symposium on Reactivity of Solids
(Dijon, France: 84.08.27-09.01)

5th International Symposium on Novel Aromatic Compounds
(St. Andrews, UK: 85.07.15-19)

10th International Symposium on Mass Spectrometry
(Swansea, UK: 85.09.08-13)

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Sponsorship not granted to:

2nd African, Mediterranean & Near East Congress of Clinical Chemistry
(Cairo, Egypt: 83.11.20-24)

International Symposium on Advances in Methods of Organic Synthesis
(Jablonna, Poland: 84.07.04-06)

8th Discussion Conference on Cationic Polymerization
(Prague, Czechoslovakia: 84.07.16-19)

OFFICIAL REPRESENTATIVES OF IUPAC TO ITS SPONSORED SYMPOSIA

APPOINTED BY PRESIDENT SINCE 46th BUREAU MEETING

International Conference on Fats

(Auckland, New Zealand: 83.02.13-17) - Dr. F. B. SHORLAND

29th IUPAC Congress

(Cologne, FRG: 83.06.04-12) - Prof. S. NAGAKURA

1st International Conference on Bioinorganic Chemistry

(Florence, Italy: 83.06.13-17) - Prof. F. W. SUNDERMAN, Jr.

SAC 1983

(Edinburgh, UK: 83.07.17-23) - Prof. T. S. WEST