

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 115th MEETING OF EXECUTIVE COMMITTEE

Foundation for Research Development, Pretoria: 12th-13th May 1991

Present: Prof. Y.P. Jeannin (Chairman), Prof. A. Björkman, Prof. S. Itô, Prof. V.A. Koptug, Prof. N. Sheppard, Prof. T.S. West

Absent: Prof. A.J. Bard, Dr. Mary L. Good

In Attendance: Dr. M. Williams (Executive Secretary), Dr. M.H. Freemantle (Information Officer/Affiliate Affairs Secretary) - in part

1/91 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

The President welcomed the participants and presented apologies from Prof. Bard and Dr. Good, neither of whom was able to be present. However, Prof. Bard had submitted written comments on some agenda items. Prof. Jeannin drew attention with regret to the death of Past-President G. Smets on 91.01.28.

The following items were added to the agenda circulated by the Executive Secretary (91.04.19):

- 5.1.2 Proposed Changes to Statutes and Bylaws
- 6.6 Rationalization of Status of Subcommittees

Because Dr. Freemantle could only attend on the first morning, some items were considered out of order.

2/91 MINUTES OF 114th MEETING OF EXECUTIVE COMMITTEE

2.1/91 Amendments and Approval of Minutes

The Minutes of the meeting at Athens (circulated by the Executive Secretary 90.08.08) were approved, subject to changing "fifth" to "sixth" in line 5 of Minute 3.2(i)/90.

2.2/91 Matters Arising from Minutes

There were no matters arising, which were not covered by items on the agenda of the present meeting.

3/91 MINUTES OF 59th MEETING OF BUREAU

The Minutes of the meeting at Triuggio/Milan were recorded as having been

received officially by the Executive Committee.

3.1/91 International Centre for Chemistry (Minute 2.2.1/90)

Prof. C.N.R. Rao had reported (91.04.01), that the Steering Committee meeting scheduled for Trieste in December 1990 had been cancelled. A more formal structure was now apparently being planned, but details were not yet available.

3.2/91 COCI Membership from China and USSR (Minute 2.2.2/90)

Prof. Koptyug was now ready to supply the Union with details of three chemical industrial organizations in USSR, which were ready to become IUPAC Company Associates in 1992. It would then be possible to nominate a Soviet representative to COCI.

The Treasurer referred to his efforts, in conjunction with the Executive Secretary, to follow up on the Chinese participation in the 1990 meeting of COCI, by suggesting that the relevant chemical organizations should become Company Associates.

3.3/91 Abolition of Chemical Weapons (Minute 2.2.3/90)

The Secretary General reported that, surprisingly, the matter had not been on the agenda at the 23rd ICSU General Assembly (Sofia, 90.10.01-06: Minute 9.2.1/91). Therefore, he had again pressed for it to be considered by ICSU, and this was to be done shortly under the heading of ethical problems in science by the ICSU Executive Board (Tokyo, 91.06.01-05).

Prof. West advocated replacing "Abolition" by "Consequences of Use", and for IUPAC to offer to prepare a report for ICSU (cf. ICSU-SCOPE publication on Environmental Consequences of Nuclear War). The report should be made by a small expert IUPAC group, outside its existing Commissions, and funded by ICSU in conjunction with relevant UN agencies. The Executive Committee approved Prof. West's suggestions, and it asked that USD 5 000 in each of 1992 and 1993 from the budget for Other Expenses (see Appendix C) should be set aside to expedite the work. Prof. Koptyug felt that the report might be coordinated with the proposal for destroying hazardous chemicals (Minute 6.2/91).

3.4/91 Approval of New Members of Division Committees and Commissions
[Minute 2.2.4(iii)/90]

The President referred briefly to the nomination at Lund of Prof. H. Grünwald as an Associate Member of the Commission on Nomenclature of Organic Chemistry, and to his subsequent non-approval by the FRG-NAO. Subsequent to Milan the FRG-NAO had reversed its decision, and a letter of appointment had been issued belatedly to Prof. Grünwald. Contrary to the statement at Lund (Minute 20/89, 58th Bureau), the period of service was for 1989-1991 only.

3.5/91 Proposed IUPAC-UNESCO Initiative in Latin America
(Minute 3.2.1/90)

The President reported disappointedly that, contrary to the earlier indication of a provision by UNESCO of USD 25 000 funding, only USD 12 500 was now apparently available for 1991. He was still trying to resolve the position with Dr. J.V. Kingston at UNESCO. Following his presentation at the recent UK Royal Society of Chemistry's Symposium on Chemistry and Developing Countries (London, 91.04.06-08), in the presence of Dr. F. Major, Prof. Jeannin hoped that the Director General of UNESCO would better appreciate what IUPAC was trying to do in Latin America.

Prof. Jeannin suggested that USD 5 000-6 000 from the UK Royal Society contribution to IUPAC for development activities (currently USD 11 345 in total) should be allocated to augment the money from UNESCO in 1991 for the Latin-America Seminars/Visiting Professorships Programme. In the opinion of Prof. Sheppard, the Royal Society would have no objection to such an allocation.

3.6/91 Position Paper on Term of Service of President of Union
[Minute 3.2.2(ii)/90]

Prof. Jeannin elaborated briefly on his precirculated position paper, drawing attention to the commonly heard criticism that the Union was rather static: it is now necessary to choose between a more dynamic Union and a quicker turnover of Presidents. Subject to redrafting the diagrammatic representation of the proposed President/Past-President/Vice-President terms of office, the Executive Committee unanimously agreed that the position paper should be presented to the Bureau at Hamburg. If the Bureau also supported the proposals, then the necessary statutory changes (e.g. S6.21, S6.33) should be tabled at Lisbon in 1993.

3.7/91 Norms and Standards of Scientific Publications (Minute 8.2/90)

After considering carefully the remarks of Prof. J. Jortner (91.01.27) and the American Chemical Society's ethical guidelines for publication of chemical research, the Executive Committee concluded that the Union should not involve itself in these matters.

3.8/91 Macromolecular Division Rules (Minute 8.5/90)

In order to bring the Macromolecular Division Rules (IUPAC Handbook 1987-1989, p. 245) into conformity with the Statutes and Bylaws of the Union (S10.3), whilst retaining the spirit in which the Division wished to conduct its affairs, the Secretary General tabled his hand-written suggestions for minimal revision of the Rules. It was decided that the document should be typed up and circulated after the meeting, for comment by the Executive Committee prior to its presentation to the Bureau (Council) at Hamburg. In addition, the Secretary General should inform the Czechoslovak NAO of the Executive Committee decision, and asking for withdrawal of its letter of 90.08.15 or for the NAO to present the letter to Council at Hamburg (item 17 of agenda).

4/91 MINUTES OF MEETINGS OF:

4.1/91 Division/Section Presidents (90.09.22)

The Minutes of the meeting at Triuggio/Milan were recorded as having been received officially by the Executive Committee. Prof. Björkman said that there had been no further discussion about the proposal for improving Divisional liaison with the CHEMRAWN Committee (Minute 2.2.6/90).

4.2/91 Finance Committee (91.02.21-22)

The Minutes of the meeting at Zürich were recorded as having been received officially by the Executive Committee.

4.2.1/91 Treasurer's Report

Regarding the status of his Guidelines for Handling IUPAC Income and Expenditure (Finance Committee Minute 9/91), Prof. Björkman said that the present draft document might require further revision in terms of any new financial procedures now to be formulated by the Union.

4.2.2/91 Forward Plan for IUPAC (Minute 2.2.3/91)

The Treasurer had not produced the requested consolidation from the forecasts of Prof. J.M. Ward, Dr. J. Brunner, and himself, because he had already prepared a related article, Science, Finance and Forward Planning: Treasurer's Tidings, for publication in the July 1991 issue of CI.

Using a series of overhead projection transparencies, Prof. Björkman showed various figures for trends in IUPAC incomes and expenditures, which would be featured by Prof. Ward in his Finance Committee report to Council at Hamburg. Also, the Treasurer drew attention to the forward planning data of Dr. Brunner and his own interpretations thereof. The clear conclusion from the three different approaches was, that it would become increasingly impossible to counteract the deficit forecasts simply by raising national subscriptions: cost savings must be made.

4.2.3/91 Statement of Accounts for 1990 (Minute 4.1/91)

The Treasurer presented a comparison of the precirculated statement of accounts for 1990 with the budget approved by Council at Lund. In his opinion, the agreement as to the excess of income over expenditure (USD 12 174/ accounts, USD 18 000/budget) was rather fortuitous.

The Executive Committee accepted the accounts for immediate audit by Neutra Treuhand AG, and then presentation to Council at Hamburg.

4.2.4/91 Review of National Subscriptions (Minute 5/91)

(i) The Treasurer reported that Argentina and Ireland had cleared their outstanding subscriptions, so that they were now entitled to vote in Council at Hamburg. However, Cuba, Greece, and Peru were still outstanding for 1989,

and would therefore be unable to vote at Hamburg. Iraq had ceased to be a Member of the Union at the end of 1990 and, due to the conflict in the Persian Gulf, contact had been lost with Kuwait and not yet re-established.

(ii) The President noted that the Treasurer had given advance warning to the NAOs (90.10.19) of the need to increase national subscriptions by 5% for the 1992-3 biennium. Prof. Björkman emphasized that this meant 5% additional in each year of the biennium.

4.2.5/91 Computerized Accounting at Secretariat (Minute 6/91)

In the opinion of the Treasurer, the computerization of accounts at the Secretariat for 1990 had been a great success, with which view the Executive Secretary agreed. The valuable work of Mrs. Erica Sheppard and the good advice of the consultant, Mrs. Lynn Brett, were noted by the Executive Committee. The Secretary General pointed out that there would be consequences for the future workload of Mrs. Sheppard (Minute 13/91).

4.2.6/91 Official Headquarters in Zürich Canton/External Auditor for 1991-2/ Banker for 1992-3 (Minute 8/91)

(i) Prof. Björkman reported that Schweizerische Bankgesellschaft (UBS - the IUPAC Banker) had requested that, from 91.03.01, the IUPAC Treasurer's office - effectively the official headquarters of the Union in Zürich Canton (Statute 4.3) - should no longer be at UBS (Bahnhofstrasse 45, Zürich). The Executive Committee accepted the recommendation for the Treasurer's office to be relocated at the premises of Neutra Treuhand AG (Löwenstrasse 56, Zürich), noting that there would be some additional financial consequences for the Union.

(ii) For the 1990 computerized IUPAC accounts at Oxford, Neutra would make the audit through the BDO Binder Hamlyn office at Newbury in UK, but it would issue the audited accounts subsequently in Zürich. Prof. Björkman anticipated that the auditing costs would be higher for IUPAC than in the past, especially in the first year of the new mechanism of operation. The Executive Committee accepted the Finance Committee proposal for the Bureau to recommend Council at Hamburg to appoint Neutra Treuhand AG as the official auditor to the Union for 1991-2.

(iii) Despite the many problems which had recently been encountered with UBS and the doubts of the Treasurer, Dr. Williams advised the Executive Committee to retain UBS as the IUPAC Banker for 1992-3. If all problems had not then been resolved, consideration should be given to changing to another bank.

(iv) Prof. Björkman reported that some general guidelines for IUPAC's investment policy were being formulated, so that UBS could henceforth manage the portfolio more efficiently.

4.2.7/91 Internal Audit of IUPAC Accounts (Minute 7/91)

In the opinion of Prof. Björkman, an external audit confirmed that no money had been stolen, but not whether it had been used in accordance with IUPAC

policy and decisions. This was the purpose of an internal audit, for which future task he suggested himself as the by then ex-Treasurer of the Union. The Secretary General supported the need for an internal auditor, which person might be a former IUPAC Officer, but should not be an ex-Treasurer. The President noted the suggestion, and he agreed to consult Prof. Ward about the matter.

4.2.8/91 Membership (Minute 12.1/91)

The President mentioned that Prof. Ward was the sole candidate so far nominated for the office of Treasurer, which would fall vacant when Prof. Björkman completed his term of service at the end of 1991. However, the Standing Orders from the Executive Committee for the Finance Committee (IUPAC Handbook 1989-1991, p.48) did not foresee the Treasurer simultaneously as FC Chairman, contrary to the expressed wish of its present members. The argument that the FC Chairman was unable to report directly to the Executive Committee applied equally to the Publications Committee Chairman.

The Secretary General reiterated his previous view (Minute 2.7.13/89, 112th Executive Committee - Lisbon) that, if the Treasurer was also FC Chairman, he might be constrained - and even find it necessary to resign from office - by decisions, which he did not favour, reached by the rest of the FC members. Prof. Sheppard felt that there might also be difficulties with respect to dealings in the Union's securities. In addition, Profs. Koptyug and Itô expressed reservations about the Treasurer being simultaneously FC Chairman. Prof. Jeannin noted the various points presented, which he would bear in mind as necessary at Hamburg.

The Treasurer was still convinced that a fifth member was needed for the Finance Committee, so that one member had IUPAC operations experience (Minute 10/90, Finance Committee - Zürich). In view of the successful outcome by inviting Prof. E. Fluck, as Chairman of the Division/Section Presidents Group, to be an observer at the FC meeting earlier this year, Prof. Björkman suggested that the Chairman of the Group should be permanently involved.

4.3/91 Interdivisional Committee on Nomenclature and Symbols (90.09.07-08)

The Minutes of the meeting at Cambridge were recorded as having been received officially by the Executive Committee. Prof. Sheppard said that IDCNS at Hamburg would be paying attention to the recommendation in the Vice-Presidential Critical Assessment to establish a procedure for expediting publication of certain reports.

4.4/91 Committee on Chemistry and Industry (90.09.28-29)

The Minutes of the meeting at Paris were recorded as having been received officially by the Executive Committee.

4.4.1/91 Membership

The President reported that Dr. D. Wyrsh would not be continuing as Chairman of COCI, when his term of service was completed later this year. The Executive

Committee approved the appointment from the start of 1992 of Prof. A.E. Fischli (Switzerland) as Chairman and Dr. R.-P. Martin (France) as Secretary. It was noted that Dr. E.H. Blair (USA), Dr. D.A.A. Fagandini (UK), and Prof. W.J. Mijs (Netherlands) would complete their maximum eight-years period of service at the end of 1991.

4.4.2/91 Computers and Chemistry

With regard to the recommendation to increase efforts to address the use of computers in chemistry within the whole IUPAC family (COCI Minutes, p.6), a letter (91.04.23) from the Officers of COCI was tabled, proposing Chemistry and Computers as the topic for a new mission-oriented (horizontal) programme of the Union. The President recalled that an IUPAC initiative on this topic had been suggested some years ago by Prof. J. Mathieu.

Prof. Koptyug felt that the terms of reference of the Committee on Chemical Databases might be enlarged, so that it became an Interdivisional Committee on Chemistry and Computers. The Executive Secretary suggested that the topic might be suitable for a CHEMRAWN Conference, because it would probably be impossible to finance additional mission-oriented programmes in the immediate future [Minute 6.4(i)/91].

Prof. Jeannin initiated a discussion about the past, present, and future work of the Commission on Nomenclature of Organic Chemistry, and particularly the need for it to consider the problem of computerization of nomenclature. As an incentive for the Commission to tackle this important matter, the Executive Committee agreed that a ninth Titular Member could be appointed at Hamburg for four years, provided that person was an expert from the field of computerized nomenclature, and provided that one of the six existing Titular Members, due to retire at Hamburg, was also replaced by an expert from that field. In addition, the President would press IDCNS to consider at Hamburg the general matter of computerization of IUPAC nomenclature recommendations.

4.5/91 CHEMRAWN Committee (90.10.13-14 and 91.01.08)

The Minutes of the meetings at London and Basel were recorded as having been received officially by the Executive Committee. The Executive Committee noted that, when his present term was completed at the end of 1991, Prof. J.M. Thomas did not intend to continue as Chairman of the CHEMRAWN Committee. It was left for Prof. Jeannin to identify a successor to Prof. Thomas.

4.5.1/91 Proposal for CHEMRAWN Conference on Education (Minute 8.7.1/90, 59th Bureau)

The President advised the meeting, that this matter was the same as Young Peoples CHEMRAWN Conference on Future of Chemistry (CHEMRAWN Committee Minutes - London, p.3). The Executive Committee was not very favourable to the proposal.

4.5.2/91 Finance of CHEMRAWN Conferences and of CHEMRAWN Committee

The President referred briefly to recent correspondence between Prof. Björkman

and himself with Dr. Hayes on the matter. After some discussion the Executive Committee approved the following new principles for the future finance of CHEMRAWN Conferences and of the CHEMRAWN Committee (cf. Appendix A to Minutes, 57th Bureau):

(i) Starting with the biennium 1992-3, the CHEMRAWN Committee should be supported financially by the Union, in respect of travel/subsistence/administration expenses, on the same basis as for other IUPAC bodies. Nevertheless, it was hoped that Committee members from chemical industry would continue to raise their own money from outside IUPAC.

(ii) The Union should not subsidize CHEMRAWN Conferences. However, IUPAC should continue to be responsible for any deficit liability on future Conferences (Minute 3.5.2/80, 95th Executive Committee - Villefranche-sur-Mer), subject to the scientific programme and tentative budget having been presented for approval by the Executive Committee.

(iii) Starting with CHEMRAWN IX, the CHEMRAWN Rolling Fund would be reconstituted as a CHEMRAWN Conference Loan Fund. The intention was that any loan should be reimbursed by the organizers after the relevant Conference on the basis of 110%.

Prof. Koptug expressed concern about the ability of the organizers to repay any loan in respect of CHEMRAWN VIII. Also, there was some confusion as to whether CHEMRAWN Committee funds or the CHEMRAWN Conference Loan Fund should be used to pay for the CHEMRAWN Committee to meet at an actual Conference.

4.5.3/91 Proposal for CHEMRAWN VIII

Prof. Koptug drew attention to the deliberations about CHEMRAWN VIII at the London and Basel meetings of the CHEMRAWN Committee and to subsequent developments. CHEMRAWN VIII was now seen as an official follow-up to the UN Conference on Environment and Development (UNCED: Rio de Janeiro, June 1992). It would be held in Moscow during September 1992, and be entitled "World Conference on Chemistry and Sustainable Development towards a Clean Environment, Zero Waste and Highest Energy Efficiency", with cooperation from the UNEP Industry and Environment Office, UNIDO, etc. The announcement leaflet was expected to be finalized shortly (Planning Meeting in Moscow, 91.06.10). Prof. Koptug anticipated that the Conference organization could be financed from funds within USSR, but hard-currency financial support would be needed from various sources to facilitate the participation of prominent scientists from throughout the world.

Also, Prof. Koptug reported briefly on his participation, as official representative of IUPAC, at the UNCED Preparatory Committee (Geneva, 91.03.18-04.05), where he had fruitful contacts with the UNCED Secretary General, Mr. M. Strong.

4.6/91 Committee on Chemical Databases (90.12.09-10)

The Minutes of the meeting at London were recorded as having been received officially by the Executive Committee. The President drew attention to the

efforts of CCDB to see whether ACS was interested in an online offer for the ENTVAPOR database of IUPAC, and to ensure that IUPAC databases might be available on Macintosh computers. In view of the serious illness of Prof. J.C. Justice, Prof. Jeannin said that the Union would probably have to write off its investment into the conductance database. The Executive Committee noted the comment of CCDB about its choice of meeting room in London.

4.6.1/91 Stability Constants Database (Minute 8.6.1/90, 59th Bureau)

The President reported that arrangements had now been finalized concerning the database, which should be of immense value to the chemical community. A contribution of USD 20 000 from the assets of the Union had been made towards the ongoing project. IUPAC would retain copyright to the database, while Academic Software (AS) retained copyright to the software for database preparation and maintenance. AS, in cooperation with IUPAC, would be the sole vendor of microcomputer-based versions of the database, with pricing to be agreed with CCDB and division of income to reflect the investment by the Union and AS.

5/91 FUTURE GENERAL ASSEMBLIES AND CONGRESSES

5.1/91 36th General Assembly (Hamburg, 1991)

5.1.1/91 Status Report

As at 91.05.02, there were 756 participants [including observers, accompanying persons (177), etc.: cf. 878/Leuven, 948/Lyon, 875/Boston, 947/Lund)], with 15 claim forms outstanding from Titular Members. The Treasurer indicated that the travel allocations were based on the practice and experience of Lund, and he was optimistic the Union would finish inside the budget of USD 620 000. Due to the illness of the Deputy Executive Secretary earlier in the year, processing of the claim forms had been delayed: most of the forms had been sent on 91.05.08 for payment by the IUPAC Banker in Zürich. Some problems with the claim forms were discussed by the Executive Committee.

5.1.2/91 Council Meeting

(i) The Secretary General elaborated on his precirculated proposal, that the assignment of votes to national delegations at Hamburg [Minute 4.4(ii)/90, 59th Bureau] should be on the same basis as that accepted by Council at Lund: the number of votes should depend on the paid 1990 subscription, unless there was no payment for 1990, when it should depend on the payment for 1989. The Executive Committee agreed that the proposal should be conveyed to the Bureau for recommendation of adoption by Council at Hamburg.

In addition, Prof. West presented a possible plan for assignment of votes under a 1-8 vote system. It would be tabled at the Bureau, for consideration of introduction at Lisbon (1993) should Council at Hamburg agree first to change Statute 5.1.

(ii) In order to meet the statutory four-months deadline for sending out the

Council agenda by registered mail (B2.25), the agenda for Hamburg had been drawn up by the Executive Secretary in conjunction with the Officers of the Union, and distributed on 91.04.12 to NAOs and the Bureau. The Executive Committee agreed that:

a. Prof. J.M. Thomas might present the report of the CHEMRAWN Committee (item 11) immediately after the Presidential report on the state of the Union (item 6);

b. even though no vote for continuation of the Affiliate Membership Programme was necessary until 1993, the Secretary General should still present a status report on AMP in 1991.

(iii) The President pointed out that the number of nominations so far received already exceeded the vacancies for Vice-President and Elected Members of the Bureau. Therefore, he proposed to convene a Nominations/Election Committee on the same basis as for Lund [Minute 6.1(ii)/88, 56th Bureau - Oxford]: President of the Union (Chairman), immediate Past-President, Vice-President, Secretary General, Chairman of Division/Section Presidents Group (Prof. E. Fluck), and one other Bureau Member. The Executive Committee accepted Prof. Jeannin's suggestion for Prof. Itô to be the other Bureau Member.

(iv) The Executive Secretary drew attention to:

a. the letter of 90.12.12 from Prof. Bard, recommending several items in connection with his Vice-Presidential Critical Assessment of IUPAC Projects and Programmes for consideration by the Executive Committee at Pretoria;

b. distribution of the Assessment, together with the Council Agenda, for the general information of the NAOs and Division/Section Presidents (Bureau), which had resulted in letters of concern from four Division Presidents about amalgamation of Commissions.

The Secretary General was disturbed by some of the possible consequences of the proposed changes. He felt that neither Physical Chemistry nor Analytical Chemistry could fulfill its tasks as a Division without Commissions on both Electrochemistry and Spectrochemistry. Speaking as a former President of the Analytical Chemistry Division (V) and faced with the choice of dissolution/amalgamation of one or more Commissions for financial reasons, he would much rather lose some of the other Commissions than these two in particular, because they were the main investigative branches of the discipline. Given a choice, the current President of Division V would almost certainly feel the same. Physical Chemistry and Analytical Chemistry looked at different aspects of both Spectroscopy and Electrochemistry. The two Division Presidents would surely accept the need for a reduction in costs, but further discussion was necessary to ensure that they were allowed to chose which of their Commissions to retain. Prof. West was worried that the proposals might lead to an open war in Council, at a time when an increase in national subscriptions was desperately needed.

The Executive Committee consensus was that it would be impossible to implement the amalgamation of Commissions at Hamburg. It was decided to feature the

matter as the sole item for discussion at the meeting of Division/Section Presidents (morning of 91.08.08), in order to start a dialogue regarding financial savings to be effected, one way or another, not later than at Lisbon (1993).

Regarding Prof. Bard's recommendations for discussing a mechanism for surveying chemists outside IUPAC for topics of interest to the chemical community and for preparing new Guidelines for IUPAC Programmes for the next IUPAC Handbook, Prof. Jeannin suggested that the Vice-President should prepare a position paper on each matter for consideration by the Bureau at Hamburg.

(v) Contrary to his previously expressed view (circular letter to NAOs and Bureau on 90.10.01), the Secretary General now felt that, if the changes to Statute 4.2 were accepted by Council, newly elected persons at Hamburg should not commence their service from 92.01.01, but from the end of the General Assembly. Although the President and Prof. Sheppard were of the opinion that the changed start of service could be implemented immediately, in order to avoid any confusion the Executive Committee decided not to implement the change until after Lisbon.

(vi) The Secretary General reviewed the situation with respect to the invitations received to host the 38th General Assembly and 35th Congress in 1995 (Minutes 5.4/90 and 14.1/90, 59th Bureau).

Concerning the Assembly, the costs of air travel for the Union to Chile and to Taipei/China would be rather too high (in addition there might be restrictions on attendance by delegates from the Peoples Republic of China to Taipei). The costs might also be rather high for Turkey, but there would almost certainly be a need for air-conditioned meeting rooms and living accommodation (cf. Athens for 1991: Minute 5.7/89, 57th Bureau - Lund). Therefore, he recommended the University of Surrey at Guildford, UK, as first choice, there being easy access to London Heathrow and London Gatwick Airports. Prof. Sheppard indicated that he was awaiting a final national host budget evaluation, before reconfirming the invitation from UK. The Treasurer supported the recommendation of Prof. West, and the Executive Committee agreed to ask the Bureau at Hamburg to propose acceptance of the UK invitation by Council.

Concerning the Congress, Taipei would follow on too soon after the 1993 Congress in Beijing. Bearing in mind that the Congress was held in Prague in 1967 (and it would be in Budapest in 1991), on geographical considerations Prof. West recommended Turkey as first choice. The Executive Committee would ask the Bureau at Hamburg to propose acceptance of the Turkish invitation by Council.

(vii) The Treasurer reported that, immediately prior to the Hamburg General Assembly, there was an overlap between meetings of subcommittees of the Commission on Atomic Weights and Isotopic Abundances and the Commission on Isotope Specific Measurements as References (LLTC). The Executive Secretary pointed out that none of these bodies had applied for official permission to so meet [cf. Minute 5.1(ii)/90, 59th Bureau]. The Executive Committee left it for Prof. Jeannin to resolve the matter of priorities with the President of

the Inorganic Chemistry Division.

5.2/91 Arrangements for 37th General Assembly (Lisbon, 1993)

The Executive Secretary said that a visit by the Deputy Executive Secretary to see the status of building developments on the campus of Lisbon University and to evaluate the level of subsistence needed for relevant hotels, had been postponed until 91.07.07-12. Her report would be considered by the Bureau at Hamburg.

6/91 RESTRUCTURING OF IUPAC

6.1/91 Analytical Chemistry Division President's Assessment of Restructuring (Minute 6/90, 59th Bureau)

The Treasurer felt that Prof. den Boef had misunderstood the difference between A- and B-budget funding. In Prof. Björkman's opinion, the main problem was the financial balance between core- and mission-oriented programmes. However, Prof. Jeannin was still worried about the diversity of funding for Divisional activities, namely, A- and B-budgets plus assets funding. The Secretary General supported the view of the President, and the Treasurer agreed that B-budget funding should be discontinued after Lisbon (1993). Prof. Jeannin had already drawn the matter to the attention of the Division/Section Presidents at their meeting in Triuggio/Milan [Minute 1(i)/90], and he would remind them in writing prior to Hamburg.

Prof. Sheppard stressed the need to make it known, that mission-oriented programmes would soon have to be integrated, within the normal budget (not using assets any more), with the core activities of the Divisions, i.e., their core activities must be rationalized and priorities established.

6.2/91 IUPAC Chemistry and Environment Programme

(i) The Minutes of the CCCEP meeting at Triuggio/Milan (90.09.22: Minute 6.1/90, 59th Bureau) were recorded as having been received officially by the Executive Committee. A letter from Prof. Jeannin (91.01.24) about ICSU-SCOPE projects, which had particular implications for chemistry, was noted, together with a report of a meeting (90.10.15) on collaboration between IUPAC and SCOPE-RADPATH (Biogeochemical Pathways of Artificial Radionuclides).

(ii) Prof. Koptug said that he had found the booklet Chemistry and the Environment: The IUPAC Programme very useful in his negotiations about collaboration with various other international organizations, such as UNEP and UNIDO. He tabled copies of the latest draft of Compilative Information on International Organizations and Programmes relating to Chemical and Biochemical Aspects of Environmental Problems. Bulk copies had been sent to the Secretariat for distribution to and comment by CCCEP, Division/Section Presidents, and Commission Chairmen prior to Hamburg.

The Executive Committee confirmed, that CCCEP should be dissolved after its meeting at Hamburg (Minute 6.1/90, 114th Executive Committee - Athens). Thereafter, Prof. Koptug should continue as Chief Coordinator for CEP until

Lisbon, in order to advise on and approve funding during 1992-3 for the many proposals, which he had received from the Divisions for new environmental activities of the Union. In addition, this would facilitate his involvement with CHEMRAWN VIII and UNCED (Minute 4.5.3/91). He should attend the 1992 meeting of Division/Section Presidents to discuss environmental matters with them, and then report to the Bureau immediately thereafter.

(iii) Various documentation from Prof. Bard, proposing that IUPAC might study the detoxification of hazardous chemicals/chemical warfare agents, was considered briefly by the Executive Committee. It was decided to invite Profs. Irina Beletskaya and J.F. Bunnett, and others as necessary, to prepare by correspondence a general report on the subject, with a clear recommendation as to how IUPAC should become involved.

6.3/91 IUPAC Chemistry and Advanced Materials Programme

The President referred to the initiative at Triuggio/Milan (CCCAMP meeting, 90.09.22) and subsequent efforts at Oxford (CCCAMP, 91.03.23) to start an IUPAC mission-oriented programme on Chemistry and Advanced Materials. The Executive Committee resolved that the Chief Coordinator, Prof. C.N.R. Rao, should come forward to the Bureau at Hamburg, following the CCCAMP meeting there, with definite recommendations of which new projects were recommended for adoption and funding from assets during 1992-3.

6.4/91 Additional Mission-oriented Programmes (Minute 6.3/90, 59th Bureau)

(i) Prof. West reported on the outcome of his attempt at the 1990 ICSU General Assembly, to try and initiate some dialogue with the Secretaries General of the bio-unions on collaborative activities, They were well satisfied with their present ability to cooperate with IUPAC, and preferred simply to continue such collaboration through COBIOTECH, COGENE, and similar ICSU bodies.

A draft IUPAC biosciences/biotechnology inventory, compiled by Prof. I. Wadsö, was received by the Executive Committee. Prof. Sheppard drew attention to the conclusion that, most probably, IUPAC's present competence was not adequate for a broad molecular biology programme. The President said that, in any case, it was clear from the Officers Budget Preallocation Meeting at Pretoria there was insufficient money available to launch a third IUPAC mission-oriented programme. However, Prof. Jeannin made it clear that bio-oriented projects might still be initiated within the existing Divisions/Section of the Union, e.g., those being undertaken by the Steering Committee on Biophysical Chemistry.

(ii) Concerning an IUPAC initiative on Chemistry and Energy Supplies, the President felt that it should be referred to the CHEMRAWN Committee for consideration as a topic for a future CHEMRAWN Conference. However, the Secretary General suggested that a better approach might be to propose to launch, with IUPAP, IUGS, IUN, and other relevant ICSU unions, a joint International Global Programme on Energy Supplies. The Executive Committee asked Prof. West to raise the matter in a preliminary way with the ICSU Executive Board at Tokyo.

6.5/91 Proposal to Discontinue at Hamburg All IUPAC Projects More Than Ten Years Old

The Secretary General reminded the Executive Committee that Prof. Jeannin, in his Vice-Presidential Critical Assessment presented at Lund, drew attention to the need normally to complete an IUPAC project within ten years. The same concern was expressed in the Vice-Presidential Critical assessment of Prof. Bard. The Union was under external criticism about the long time taken to finish its projects and to publish the corresponding report. Prof. West had himself mentioned the matter in his most recent Secretary General's Column in CI (May issue, 1991, page 94). His analysis of the Current Programmes 1990 in IUPAC Handbook 1989-1991 indicated there to be about 30 ten-years (or over) old nomenclature/symbols projects and about 70 involving other technical matters. It was agreed that this was an unacceptably high level of ten-years old programmes.

The Executive Committee agreed, in principle, that all non-nomenclature/symbols projects more than ten years old should be discontinued at Hamburg, and those relating to nomenclature/symbols should be discontinued no later than by Lisbon.

6.6/91 Rationalization of Status of Subcommittees

The President was concerned that many long-existing IUPAC subcommittees were, in effect, de facto Commissions with financial support from within their Division budgets. This was against the spirit of the Statutes and Bylaws, in that Council approval was not required to create a subcommittee, nor were the members approved by their NAOs, nor were there any limitations of membership. Sometimes the total financial allocation to subcommittees was greater than to the Commissions within a Division. In the opinion of Prof. Jeannin, the balance regarding non-statutory bodies was getting out of hand, although he had no criticism of the scientific work being carried out nor of the need for it.

Prof. Jeannin proposed to warn all Division/Section Presidents, that no later than the time of the 1993 General Assembly all subcommittees must have completed their work. No subcommittees should be included in IUPAC Handbook 1993-1995. The Treasurer felt that the proposal would help the Union administratively.

Prof. Sheppard was sympathetic to the proposal, although he had some doubts in that much of the work of subcommittees constituted core activities of the Union. He outlined some other possibilities for tightening up with respect to subcommittees and for limiting the administrative burden on the Secretariat. The President invited him to put his suggestions in writing for further consideration by the Union.

7/91 AFFILIATE MEMBERSHIP PROGRAMME (Dr. Freemantle in attendance)

7.1/91 Minutes of Meeting of Committee on Affiliate Membership
(90.09.22)

The Minutes of the meeting at Triuggio/Milan were recorded as having been received officially by the Executive Committee. Prof. West said that all relevant matters had already been raised by him with the Bureau (Minute 7.2/90, 59th Meeting).

7.2/91 IUPAC Component of Affiliate Subscription for 1992

The Secretary General drew attention to the proposal from BSP (91.02.28), for an increase from USD 7.50 to 10.00 in the charge during 1992 and 1993 for supplying CI to members of IUPAC bodies and to Affiliates. The Affiliate Affairs Secretary had suggested various ways to deal with the proposal. A financial evaluation of AMP for 1989 and 1990 was also available (Minute 7.1/90, 59th Bureau).

Prof. West was unhappy to increase the IUPAC component of the Affiliate annual subscription from USD 12.00 to 16.00. The national chemical societies would almost certainly then wish to increase their component accordingly. In order to decrease the costs for CI, he preferred to reduce the number of issues per annum from six to four.

Dr. Freemantle stressed that he was already under editorial pressure from page restraints for CI, four issues per annum would make much of the news even less timely, and there would be less tangible benefit to the Affiliates. His investigations had shown that it was impossible to improve on the USD 10.00 requested by BSP: a small local printer in Oxford required about USD 17.00 for production/distribution of CI. Prof. Sheppard pointed out another reason for maintaining six issues per annum, namely the need - via CI - to notify chemists worldwide that the eight months comment period had commenced for each set of provisional nomenclature/symbols recommendations.

The President suggested five issues of CI as a compromise solution, by eliminating a "summer" issue. Dr. Freemantle said that this would be difficult in a General Assembly year.

The Executive Committee resolved:

(i) to increase the IUPAC component of the Affiliate subscription for 1992-3 from USD 12.00 to 13.00;

(ii) to delegate to the Secretary General, in conjunction with the Affiliate Affairs Secretary and Executive Secretary, responsibility for proposing ways to reduce the budget forecast expenditures for AMP in 1992-3, particularly in respect of the costs for CI and the Secretariat.

Regarding (ii), the Executive Committee accepted suggestions from the Secretary General that:

a. the costs for any Affiliates welcoming package and any leaflets to promote AMP should be charged to the "general" budget of the Union;

b. the unit cost should be recalculated for 2 000 copies of CI (i.e., about

1 500 copies for members of IUPAC bodies plus the paid library subscribers), so that BSP would thereby break even financially on the production/distribution expenditures;

c. the cost of CI to Affiliates (about 7 000) should then be set, in principle, at the level for run-on production/distribution.

The President asked Dr. Freemantle to approach selected Affiliates in various countries in order to ascertain the total subscription levied. The national component of the subscription could then be computed.

8/91 IUPAC BODIES

8.1/91 Ratification of Memberships Approved by Correspondence

The appointments, made through correspondence by the President since the 59th Bureau meeting (Appendix A), were ratified by the Executive Committee.

8.2/91 Nominations of New Members

(i) Commission on Functional Polymers (LLTC) - It was noted that Prof. T. Shimidzu was not to be Chairman, but simply a Titular Member [Minute 8.4(i)/90, 59th Bureau]. The Macromolecular Division Vice-President, Prof. J. Economy, would act as interim Chairman at Hamburg. The Executive Committee approved the nomination of Prof. J. Wendorff (FRG) as Chairman and Titular Member from Hamburg (1991-1995).

(ii) Commission on Equilibrium Data - The Executive Committee accepted the advice of Prof. den Boef, that Dr. T. Kiss should replace Prof. O. Yamauchi as Secretary in order to gain experience before Hamburg [Minute 8.4(ii)/90, 59th Bureau].

8.3/91 Chairmanship of Commission on Macromolecular Nomenclature

The President pointed out that, for exceptional reasons, the maximum statutory term of service of Dr. P. Kratochvíl on the Commission had already been extended at Lund until 1991 [Minute 20(x)/89, 58th Bureau]. Therefore, the Executive Committee accepted his recommendation not to grant any further extension exceptionally after Hamburg.

8.4/91 Commission on Instrumentation and Software in Clinical Chemistry (LLTC)

The Executive Committee accepted a recommendation (91.01.28) from the President of the Clinical Chemistry Division, Prof. N. Montalbetti, that the Commission should be dissolved immediately [cf. 6(ii) of Appendix A to Minutes, 35th Council - Lund]. The Treasurer confirmed that the allocated money could be used for other activities in the Division.

8.5/91 Suggestion to Restrict Filling of Vacancies at Hamburg

The Treasurer drew attention to some suggestions for not filling all Titular Membership vacancies in Commissions at Hamburg (Minute 2.2.3/91, Finance Committee - Zürich).

9/91 RELATIONS WITH OTHER ORGANIZATIONS

9.1/91 Belgian Membership of IUPAC

Noting that its outstanding subscriptions for 1985, 1988, and 1989 had been cleared earlier (Minute 9.2/90, 59th Bureau), and a "subscription" paid for 1990 on 90.12.21, the Secretary General proposed that an official request from Belgium to rejoin the Union (91.01.02) should be treated sympathetically. The Executive Committee agreed to ask the Bureau to recommend Council, at the start of its meeting in Hamburg, to readmit Belgium immediately to membership, with full voting rights (cf. Brazil at Boston, Minute 20/87, 34th Council).

9.2/91 ICSU Matters

9.2.1/91 23rd ICSU General Assembly

The Secretary General tabled his report on the Assembly (Sofia, 90.10.01.06), and drew attention to the following points:

(i) CASAFA had now attained full Scientific Committee status within ICSU. In view of the emphasis to be placed on sustainable agriculture, it was important for IUPAC to play an active role. Prof. Jeannin suggested that the future official representative of IUPAC might be drawn from the Commission on Agrochemicals.

(ii) In order to ensure that the interests of chemistry continued to be well served, vigilance would be necessary on the part of IUPAC's representative to COBIOTECH.

(iii) ICSU would hold its future General Assemblies on a triennial instead of a biennial basis, with meetings of the General Committee to take place every eighteen months instead of annually. In 1993 there would be an Assembly for both ICSU and IUPAC, which might cause problems due to their close proximity.

(iv) From 1993 onwards, the annual subscriptions for scientific unions would rise from 2.5 to 3.5% of their national income.

(v) The subscription for Associate Membership of ICSU, which had previously been zero in most cases and USD 100 for the others, was raised to a uniform USD 500 per annum.

9.2.2/91 Applications for Associate Membership of ICSU

The President suggested that for each application for Associate Membership of ICSU, which was seeking the support of IUPAC, the IUPAC Secretariat should first ascertain the views of ICSU itself.

(i) The Secretary General said that he had already agreed to support the admission of the International Union for Vacuum Science, Technique, and Applications. The Executive Committee endorsed the action of Prof. West.

(ii) It was noted that ICSU had no objection to the admittance of the International Union of Air Pollution Prevention Associations, although there were unlikely to be enough supporting organizations for ICSU to accept the application in 1991. The ICSU Secretariat was concerned about the increasing administrative burden, which was arising from the increasing number of Associate Members. The Executive Committee decided to defer until 1992 any decision on IUPAC support for the application.

9.3/91 IUPAC-IUPAP Transfermium Working Group
(Minute 9.4/90, 59th Bureau)

The Executive Committee noted that the Phase (i) report - Criteria that must be satisfied for the Discovery of a New Chemical Element to be Recognized - would be published shortly in PAC [1991, 63 (6), 879]. The report had been endorsed by the IUPAP Executive Council (Dresden, September 1990), but a suitable physics medium for simultaneous publication had not been identified. In the Phase (ii) discussions at Mogilany/ Krakow (91.06.30- 07.07), the Working Group would apply the criteria, so as to develop discovery profiles for each of the individual transfermium elements.

Prof. Koptyug reiterated his hope (Minute 8.8/90. 114th Executive Committee), that the Working Group would produce a good account of the history of "discovery" of the relevant elements. Prof. Jeannin had already conveyed that hope to the Working Group, but apparently it wished to work differently: he agreed to reiterate the view of Prof. Koptyug at Mogilany. Also, he confirmed that the laboratories at Berkeley (USA), Darmstadt (FRD), and Dubna (USSR) would not be present at Mogilany, because they were not represented in the Working Group.

9.4/91 General Considerations for Appointment of Official Representatives on Other Organizations (Minute 9.5/90, 59th Bureau)

The Secretary General had hoped to discuss at Pretoria with Prof. Bard the appointment of IUPAC representatives to ICSU bodies for the biennium mid-1991 to mid-1993. The Executive Committee asked him to present his views by letter or telephone to Prof. Bard before the Hamburg Assembly.

9.5/91 Brazilian Chemistry Committee for IUPAC
(Minute 9.6/90, 59th Bureau)

The Executive Secretary reported that, in response to the letter of 90.12.10 from Prof. Jeannin, the four constituent societies of BCC had duly approved the nominations of Dr. Maria A.C. Kaplan and Dr. Tania M. Tavares. In addition, Dr. Williams tabled a summary of the first meeting of BCC (Rio de Janeiro, 91.03.25), which showed that IUPAC matters were at last being discussed properly in Brazil. It would now be possible for Council at Hamburg to give preliminary consideration to an invitation from Brazil to host the 1997 IUPAC General Assembly and Congress, although a decision, in principle,

could not be taken until 1993.

9.6/91 Romanian Membership of IUPAC (Minute 9.7/90, 59th Bureau)

An application for IUPAC Observer Country status from the Chemical Sciences Section of the Romanian Academy (90.10.29), accepted through correspondence by the President, was ratified by the Executive Committee. Prof. Jeannin hoped that Romania would eventually again become a full Member of the Union.

9.7/91 Applications for Associated Organization Status of IUPAC

The President suggested that, in view of the continuing requests for Associated Organization status of IUPAC (there were presently thirty-four AOs), the Treasurer might wish to consider the introduction of a service charge like that for Observer Countries [see also Minute 9.2.1(v)/91].

9.7.1/91 EURACHEM

Noting the precirculated views of the Presidents of the Physical Chemistry, Analytical Chemistry (slight doubts), and Applied Chemistry Divisions, the Executive Committee agreed to ask the Bureau to recommend Council at Hamburg to accept the application from EURACHEM (90.10.26) for AO status.

9.7.2/91 Calorimetry Conferences

Noting the precirculated views of the President of the Physical Chemistry Division, the Executive Committee agreed to ask the Bureau to recommend Council at Hamburg to accept the application from the Calorimetry Conferences (90.12.21) for AO status.

9.8/91 Spanish Membership of IUPAC

The Secretary General drew attention to the re-evaluation by Consejo Superior de Investigaciones Científicas of its membership of ICSU and its Unions and interdisciplinary bodies, as requested by the Spanish government (91.02.20). The Executive Committee noted that Spain had paid its subscription for 1990 to IUPAC and it was, therefore, eligible to vote in Council at Hamburg.

10/91 BUDGET PROPOSAL FOR 1992-3

10.1/91 Officers Preallocation at Pretoria

The Treasurer tabled details of the preallocation agreed by the Officers on 91.05.11 at Pretoria (Appendix B), and he spoke briefly to it.

10.2/91 Budget Proposal

The Treasurer tabled his draft General Purposes budget proposal for 1992-3

(Appendix C), based on core activities alone, while mission-oriented programmes would be paid from assets. He suggested that the service charge for Company Associates should be increased from USD 35 to 40 for 1992 onwards. The Executive Committee accepted, in principle, his view that the draft proposal could only be recommended at a forecast level of biennial deficit of about USD 135K (to be financed from assets), provided definite plans were made during 1992 to eliminate in advance a deficit in the 1994-5 biennium.

11/91 PUBLICATIONS

11.1/91 Student-oriented Nomenclature Book (Minute 10.1.1/90, 59th Bureau)

The tabled response of Prof. C.J.H. Schutte (91.05.08) to the letter from the President (91.01.24) was accepted, in principle, by the Executive Committee. The Treasurer was happy to grant an extra day of subsistence from the General Assembly budget for the suggested exploratory meeting at Hamburg. Thereafter, Prof. Schutte should provide a detailed plan for consideration, but without prejudice for any action, by the Executive Committee

11.2/91 Database of IUPAC Reports (Minute 10.1.2/90, 59th Bureau)

The Executive Committee noted the progress being made on this important project. It endorsed the stance taken by the Executive Secretary (91.03.22), that the Secretariat should not be involved in the envisaged checking and verification work.

11.3/91 Changes in Prices of Publications (Minute 10.1.4/90, 59th Bureau)

Further to the deliberations of the Bureau at Triuggio/Milan, the Executive Committee endorsed retrospectively the following additional changes in prices, approved through correspondence by the President: by 15% to the already agreed prices of USD 0.20 per page (camera-ready books) and USD 0.25 per page (typeset books) for new publications in the categories of symposia books, databooks, and non-nomenclature reference books, to be issued by BSP during 91.01.01-08.06.

11.4/91 IUPAC-IPCS/WHO Monograph on Safe Use and Disposal of Chemicals in Laboratories (Minute 10.4/90, 59th Bureau)

The Executive Committee noted that a revised publishing agreement had now been signed with Cambridge University Press. It was hoped to have a "mock-up" copy of the monograph available for Hamburg.

11.5/91 History of IUPAC (Minute 9.4/90, 114th Executive Committee)

The Secretary General reported that first drafts were now available of Chapters 1-7, and that the Executive Secretary and he had made comments on them to the editor. Prof. West hoped that Mr. R.W. Fennell would have the draft text completed soon after Hamburg.

12/91 SPONSORSHIP OF SYMPOSIA

12.1/91 Ratification of IUPAC-sponsorships of Symposia

The sponsorships of symposia (Appendix D), approved through correspondence by the Secretary General on behalf of the President since the 59th Bureau meeting, were ratified by the Executive Committee.

12.2/91 Ratification of Official Representatives to IUPAC-sponsored Symposia

The appointments of official representatives of IUPAC to its sponsored symposia (Appendix E), as made on behalf of the President since the 59th Bureau meeting, were ratified by the Executive Committee.

12.3/91 Financial Support for Official Representatives to IUPAC-sponsored Symposia (Dr. Freemantle in attendance)

The Information Officer elaborated briefly on his precirculated proposal (91.03.14), for the Union to provide, upon request, USD 200 as a contribution towards the travel expenses of each Official Representative. The President was not in favour of the proposal: either a Representative should be identified at no cost to IUPAC or a letter of greetings should be sent for the organizers to read out at the opening ceremony.

13/91 REPORT ON IUPAC SECRETARIAT AND ITS LOCATION
(Minute 12/90, 59th Bureau)

(i) The Secretary General tabled a report on his 1990 annual staff inspection (Oxford, 90.12.13), as supplemented by discussions with the Executive Secretary (Aberdeen, 91.04.29). Refurbishment of the Secretariat was now complete, except for the archives area, which was scheduled to be done shortly. It had resulted in a considerable improvement in morale of all staff.

The staff were working to full capacity, and in the case of the Executive Secretary and his Deputy beyond reasonable capacity: saturation point had been reached. In fact, the Deputy Executive Secretary had suffered from acute stress reaction earlier in 1991, and was convalesced by her doctor for a period of six weeks. Prof. West outlined proposals for transferring, after Hamburg, all possible administration duties connected with the running of the Secretariat from the Executive Secretary to his Deputy who, in turn, would transfer to her Secretary full responsibility for producing the IUPAC Handbook 1991-1993 and for the IUPAC membership database. To remedy the loss in capacity to the Executive Secretary, caused by his own Secretary being assigned to handle the computerized IUPAC accounting and bank transactions, his temporary part-time Secretary should become full-time and shared between himself and the Deputy Executive Secretary. The Executive Secretary would take back from his Deputy responsibility for CEP and CAMP. Appropriate salary increases were suggested by Prof. West. In order to ensure greater efficiency and harmony, the Secretariat should move to a uniform computing system, which was IBM-compatible, for which purpose budgetary provision was being made

during 1992-3.

The Treasurer indicated that he fully supported the proposals of the Secretary General, which were approved unanimously by the Executive Committee. The Executive Secretary was asked to convey its thanks to the Secretariat staff for all their work on behalf of the Union.

Invited to comment by the President, Dr. Williams said that, in his opinion, the Union was trying to pursue more activities than it could expedite efficiently, which had inevitably led to the Secretariat being over-extended.

(ii) The President spoke about a possibility to transfer the location of the Secretariat from Oxford to La Maison de la Chimie in Paris, which was pleasantly situated and with adequate space available. It was a private foundation, so the rental costs would be lower, but higher salaries would be needed for staff in Paris. Serious consideration could not be given at present to such a move, but it might become feasible when Dr. Williams retired from office in 1997. The Executive Committee accepted an invitation for the new Secretary General and the Executive Secretary, at no cost to IUPAC, to visit the Maison de la Chimie after Hamburg.

(iii) The Secretary General drew attention to a recent ruling by the European Court of Justice, as a result of which women, after reaching sixty years of age, must be allowed to work on, if they so wished, until sixty-five. He advocated that for all new staff employed henceforth, retirement should be at sixty-five years of age, with provision to retire at or after sixty (in which case the right to further pension contributions from the Union for the remaining years would not be made).

14/91 DATES AND PLACES OF NEXT MEETINGS

Invitations were considered for the Executive Committee to hold its Spring 1992 meeting in Ireland or Israel. On the basis of the lower air travel costs applicable, it was decided to recommend Prof. Bard to accept the invitation to meet at Trinity College, Dublin, which would be celebrating the quatercentenary of its foundation in 1592. Suitable dates should be checked with Prof. Bard, and whether he wished the 1993 meeting to be in USA (Austin or Washington, DC).

In response to a suggestion by the Treasurer, Prof. Jeannin offered to investigate the costs for the Bureau to meet in September 1992 at Centre Port-Royal, which was situated southwest of Paris.

15/91 ANY OTHER BUSINESS

15.1/91 Internal Communication

This item was withdrawn from the agenda by the Treasurer.

VOTES OF THANKS

Votes of thanks were recorded to the South African ICSU Secretariat/Foundation for Research Development for the provision of hospitality and facilities.

* * * * *

CHAIRMAN: Allen J. Bard

DATE: May 23, 1992

RATIFICATION OF MEMBERSHIPS APPROVED BY CORRESPONDENCE

I. STANDING COMMITTEES

Committee on Chemical Databases

Prof. H. Chihara (Japan) - Member (1991-1994)
Dr. J.M. Barnard (UK) - Associate Member (1991-1994)

Committee on Chemistry and Industry

Dr. H.C. Rowlinson (Canada) - Member (1991-1994)

Committee on Publications

Prof. C.J.H. Schutte (South Africa) - (1986-1990, extended to 1994)

Coordinating Committee on Chemistry and Environment Programme

Prof. K.V. Sané (India) - Member (replacing Prof. M. Chastrette as Chairman of Committee on Teaching of Chemistry)

II. COMMISSIONS

Commission on Food Chemistry

Dr. J. M. Fremy (France) - Secretary, replacing Dr. D.L. Park, and Titular Member (1989-1993)

Commission on Water Chemistry

Dr. N.L. Wolfe (USA) - Titular Member (1989-1993)

Commission on Quantities and Units in Clinical Chemistry

Dr. P.L. Storrington (UK) - Titular Member (1989-1993)

PREALLOCATION FOR BIENNIUM 1992-3
(as at 91.05.11: in USD
numbers in parentheses are for 1990-1)

<u>Standing Committees</u>	A	B	(Assets)
Exec. Comm.	30 000 (26 000)		
Bureau	35 000 (35 000)		
CHEMRAWN	12 000 (10 000)		
CCDB	10 000 (9 000)		
PC	12 500 (10 000)		
CTC	16 000 (14 500)	2 000 (4 000)	
FC	16 000 (14 000)		
IDCNS	15 500 (16 500)		9 000
JCBN	10 500 (9 000)		
COCI	- (-)		
	<hr/>		
	157 500 (144 000)	2 000 (4 000)	9 000
	<hr/>		
 <u>Divisions/Sections</u>			
I	26 500 (25 250)	5 000 (11 000)	15 000
II	34 000 (30 290)	3 000+ (5 000)	8 400
III	35 000 (34 000)	- (-)	-
IV	31 000 (27 000)	6 000 (4 000)	18 500
V	33 000 (27 200)	11 000 (11 500)	16 300
VI	37 000 (31 500)	9 000 (8 500)	30 500
VII	27 900 (24 300)	4 800 (6 000)	20 000
Med. Sect.	14 000 (13 000)	- -	-
	<hr/>		
	238 400 (212 540)	38 800 (46 000)	108 700
	<hr/>		
Letterheads	4 300		
	<hr/>		
TOTAL	441 000		117 700
	<hr/>		

APPENDIX C

IUPAC GENERAL PURPOSES BUDGET 1992
(as at 91.05.12: in USD)

EXPENDITURE

INCOME

<u>Office Expenses</u>		<u>National Subscriptions</u>	530 000
IUPAC Officers	8 500		
IUPAC Secretariat	290 500		
Audit & Bank Fees	<u>33 000</u>	<u>Company Associates Service Charges</u>	8 000
<u>Expenses IUPAC Bodies</u>		<u>Interests & Dividends Earned</u>	170 000
IUPAC Bodies Programmes	441 000		
IUPAC Representatives on Other Organizations	<u>15 000</u>	<u>Grants from ICSU</u>	25 000
<u>Provision for Handbook 1991-93</u>	16 000		
		<u>Transfer from Publications Budget</u>	140 000
<u>Contributions to Symposia</u>	10 000		
<u>Contributions to ICSU & ICSU Committees</u>	13 000		
<u>Information Services/Developing Countries</u>	15 000		
<u>Other Expenses</u>	<u>30 000</u>		
	872 000		
<u>Excess of Income over Expenditure</u>	<u>1 000</u>		
	873 000		<u>873 000</u>

IUPAC GENERAL PURPOSES BUDGET 1993
(as at 91.05.12: in USD)

EXPENDITURE

INCOME

<u>Office Expenses</u>		<u>National Subscriptions</u>	557 000
IUPAC Officers	9 000		
IUPAC Secretariat	318 000		
Audit & Bank Fees	<u>33 000</u>	<u>Company Associates Service Charges</u>	8 000
<u>Expenses IUPAC Bodies</u>		<u>Interests & Dividends Earned</u>	170 000
General Assembly	600 000		
IUPAC Representatives on			
Other Organizations	<u>15 000</u>	<u>Grants from ICSU</u>	25 000
<u>Contributions to ICSU & ICSU</u>		<u>Transfer from Publications Budget</u>	140 000
<u>Committees</u>	17 000		
<u>Information Services/Developing</u>		<u>Excess of Expenditure over Income</u>	137 000
<u>Countries</u>	15 000		
<u>Other Expenses</u>	<u>30 000</u>		
	1 037 000		1 037 000

SPONSORSHIPS OF SYMPOSIA BY IUPAC APPROVED BY CORRESPONDENCE

SINCE 59th BUREAU MEETING

9th International Conference on Positron Annihilation
Szombathely, Hungary: 26th-31st August 1991

International Symposium on Recycling of Polymers: Science &
Technology
Marbella, Spain: 18th-20th September 1991

13th International Symposium on Polynuclear Aromatic Hydrocarbons
Bordeaux, France: 1st-4th October 1991

Centenary of Geneva Conference - Organic Chemistry: Its Language
and its State of the Art
Geneva, Switzerland: 22nd-24th April 1992

7th International Symposium on Novel Aromatic Compounds
Victoria/BC, Canada: 19th-24th July 1992

17th International Symposium on Macrocyclic Chemistry
Provo/Utah, USA: 9th-14th August 1992

12th International Conference on Chemical Thermodynamics
Snowbird/Utah, USA: 16th-21st August 1992

International Conference on Organic Substances in Soil and Water
Lancaster, UK: 14th-17th September 1992

8th International Meeting on Boron Chemistry
Knoxville/Tennessee, USA: 13th-17th July 1993

OFFICIAL REPRESENTATIVES TO IUPAC-SPONSORED SYMPOSIA

APPROVED BY CORRESPONDENCE SINCE 59th BUREAU MEETING

2nd International Symposium "Organic Chemistry: Technological Perspectives"

Baden-Baden, FRG: 15th-19th April 1991

PROF. H. A. STAAB

3rd International Symposium on Pharmaceutical and Biomedical Analysis

Boston, USA: 28th April-1st May 1991

PROF. P. C. UDEN

6th International Workshop on Vapor-Liquid Equilibrium in 1-Alkanol + n-Alkane Mixtures

Liblice, Czechoslovakia: 13th-17th May 1991

DR. J. H. DYMOND

27th Colloquium Spectroscopicum Internationale

Bergen, Norway: 9th-14th June 1991

PROF. A. HULANICKI

8th Bratislava International Conference on Solution Properties of Modified Polymers

Tatranská Lomnica, High Tatras, Czechoslovakia: 10th-14th June 1991

DR. J. STEJSKAL

International Symposium on Calorimetry and Chemical Thermodynamics

Moscow, USSR: 24th-28th June 1991

PROF. G. SOMSEN

7th International Conference on Surface and Colloid Science

Compiègne, France: 7th-12th July 1991

DR. B. VINCENT

22nd International Conference on Solution Chemistry

Linz, Austria: 14th-19th July 1991

PROF. G. SOMSEN

10th International Symposium on Plasma Chemistry

Bochum, FRG: 4th-9th August 1991

PROF. H. Gg. WAGNER

33rd IUPAC Congress

Budapest, Hungary: 17th-22nd August 1991

PROF. A. J. BARD

6th International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis

Utrecht, Netherlands: 25th-29th August 1991

PROF. I. P. BELETSKAYA

11th International Conference on Chemical Education
York, UK: 25th-30th August 1991

Prof. K. V. SANÉ

International Congress on Analytical Sciences
Makuhari-Messe, Japan: 25th-31st August 1991

PROF. A. TOWNSHEND

16th International Symposium on Macrocyclic Chemistry
Sheffield, UK: 1st-6th September 1991

PROF. A. M. SARGESON

4th European Conference on Spectroscopy of Biological Molecules
York, UK: 1st-6th September 1991

PROF. M. TASUMI

International Symposium on Recycling of Polymers: Science &
Technology
Marbella, Spain: 18th-20th September 1991

PROF. T. SAEGUSA

1st International Symposium on Self-Propagating High-Temperature
Synthesis
Alma-Ata, USSR: 23rd-28th September 1991

PROF. E. T. DENISOV

International Workshop on Electron Spin Echo Spectroscopy
Novosibirsk, USSR: 25th-28th September 1991

PROF. K. I. ZAMARAEV

International Symposium on Olefin and Vinyl Polymerization and
Functionalization - Reaction, Mechanism and Industrial Application
Hangzhou, China: 14th-18th October 1991

PROF. W. HEITZ

IUPAC International Symposium on New Polymers
Kyoto, Japan: 30th November-1st December 1991

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