

May 15, 1997

JWJ 97-01

TO: Dr. E. D. Becker
Prof. R. D. Brown
Dr. D.F. Eaton
Prof. A. E. Fischli

Prof. J. Jortner
Prof. P. S. Steyn
Prof. J. M. Ward
Dr. M. Williams

FROM: Dr. John W. Jost

**124th Executive Committee Meeting
Jerusalem, Israel; 6th-7th April 1997**

On behalf of Prof. A. E. Fischli, who chaired the above meeting, I send you herewith the minutes. The draft minutes prepared by me have been seen by the IUPAC officers and corrected as necessary.

Please look through these minutes to remind yourselves of the various discussions and decisions taken at Jerusalem.

May 15, 1997

JWJ 97-02

TO: IUPAC National Adhering Organizations
Members of IUPAC Bureau
Chairmen and Secretaries of IUPAC Bodies

FROM: Dr. John W. Jost

**124th Executive Committee Meeting
Jerusalem, Israel; 6th-7th April 1997**

On behalf of Prof. A. E. Fischli, who chaired the above meeting, I send you herewith the minutes. The draft minutes prepared by me have been seen by the IUPAC officers and corrected as necessary.

Prof. Fischli asks if you would please look carefully through these minutes to acquaint yourselves with the various discussions and decisions taken at Jerusalem.

International Union of Pure and Applied Chemistry

MINUTES OF 124th MEETING OF EXECUTIVE COMMITTEE

Jerusalem, Israel: 6th-7th April 1997

Present: Prof. A. E. Fischli (Chairman), Dr. E. D. Becker, Prof. R. D. Brown, Prof. J. Jortner, Prof. P. S. Steyn, Prof. J. M. Ward

Absent: Dr. D. F. Eaton

In Attendance: Dr. M. Williams (Executive Secretary), Dr. J. W. Jost (Executive Director Designate)

1.0/97 **Introductory Remarks and Finalization of Agenda.**

Prof. Fischli welcomed the attendees to Jerusalem and expressed his appreciation on behalf of IUPAC for the provision of facilities and hospitality by the Israeli Academy of Sciences.

Dr. Williams brought the group's attention to a late item, No. 11.1, an invitation to participate in the celebration of the 100th anniversary of the United States National Bureau of Standards.

Dr. Becker suggested that the items under 3.4 should be covered in the following order:

London and Asian meetings on future IUPAC Scientific Policy

Vice President's Critical Assessment

Prof. G. F. Leigh's paper (96.11.11)

Dr. Becker's Discussion Paper (97.03.28).

2.0/97 **Minutes of 123rd Meeting of Executive Committee.** Circulated by Executive Secretary 96.06.12.

2.1/97 *Amendments and Approval.*

Prof. Ward requested that the sentence in item 4.4.1 of the Minutes of the Executive Committee beginning with the phrase "If necessary..." be deleted as not accurately reflecting his comments. This was approved.

The Minutes were approved as amended.

2.2/97 *Matters Arising from Minutes (not covered by Items on Agenda).*

There were no items not covered by items on the Agenda.

3.0/97 **Minutes of 68th Meeting of Bureau and Matters Arising.** Circulated by Executive Secretary 97.01.10.

Prof. Brown requested on behalf of the Australian Academy of Science that the word "imposing" in the second paragraph of item 5.4 be changed to reflect the unconditional nature of the Australian Academy's invitation to host the IUPAC Congress and General Assembly.

Approval was given to propose this change at the Bureau meeting in Geneva.

3.1/97 *Nominations for Award of International Prizes.* Minute 3.2.1/96.

Prof. Jortner reported that he had received requests to nominate candidates for two awards, the Bower Award in Astronomy, Astrophysics and Cosmology of the Franklin Institute and the Prince of Asturias Award.

After some brief discussion Prof. Jortner proposed that he would consult with Prof. Brown

on possible candidates for the Bower Award after which he would decide if the Union should submit a nomination.

Prof. Jortner reported that he did not feel it appropriate to nominate any candidates for the Prince of Asturias Award since it was restricted to members of the Ibero-American community. This restriction he felt was contrary to the international character of the Union and its activities.

3.2/97 *IUPAC Recommendations on Names and Symbols of Transfermium Elements.* Minute 3.2.2/96.

Dr. Becker briefly reviewed the communication process and the press coverage of the IUPAC announcement. He also mentioned that an article will appear in the May issue of *Physics Today*. The proposal has been informally made to change the name of Bohrium to Danium, but the proposal cannot be considered at this time since it was not made during the comment period leading up to the approval by the Commission on Nomenclature of Inorganic Chemistry. If the Danish NAO wishes to pursue this point, it should communicate formally with the President.

Prof. Fischli brought up the issue of the names for elements 110, 111 and 112. He pointed out that this should be dealt with promptly. Dr. Williams noted that a working party had been formed with IUPAP to review the validity of the discovery claims for new elements. It was agreed that, after determining the current situation from Prof. A. M. Sargeson and Prof. Leigh, Dr. Williams will write a letter for Prof. Fischli's signature to the President of IUPAP to initiate joint activity to verify the discoveries and ultimately lead to the assignment of names for elements 110, 111 and 112 by IUPAC.

3.3/97 *Collaboration with UNESCO.* Minute 3.2.3/96.

Prof. Fischli reviewed the first meeting of the International Chemistry Council in Paris (97.01.31). The Council has been set up as a joint activity of UNESCO and IUPAC. The three areas in which ICC and IUPAC are planning joint activities are:

1. CHEMRAWN - a proposal has been made to organize a conference on education in underdeveloped countries.
2. COCI and UNIDO - These three organizations will continue their joint program in training in industrial safety for underdeveloped countries. The point was made that it will be important to involve industrial companies in Asia and North America in these programs. Thus far only European companies have been involved. It was also mentioned that UNESCO had ordered a large number of copies of the White Book on Chlorine to distribute to the representatives of the member countries.
3. CTC - Prof. Fischli will work with members of CTC to discuss proposals made at the ICC meeting.

Dr. Becker reviewed a meeting with Prof. C. Garbers, who is setting up a workshop for chemists from the least developed countries in Africa to determine where and what IUPAC could do to be of assistance. This work is being funded by a grant from UNESCO. Prof. Brown emphasized that it will be important to make sure that IUPAC's efforts benefit a whole country, not just a few select individuals.

Prof. Fischli next reviewed the proposed areas of activity of ICC.

1. Education in chemistry and science.

2. A Center for Chemistry in Africa.
3. A network for chemistry in South America.
4. Energy utilization and production in the least developed countries or Water resources for the least developed countries.
5. Chemistry and Society.

The programs of the ICC will be reviewed after four years to ensure their quality and relevance. The minutes of the Paris meeting will be available in May.

Prof. Steyn reminded the group of the importance of primary and secondary education in chemistry to the least developed countries.

Prof. Jortner commented that we always need to be careful not to attempt to replace the work of governments in these areas. He also stressed the need to consult local people to be sure programs are relevant to their needs.

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| 3.4/97 | <i>Future Scientific Policy of the Union.</i> | Minute 3.2.4/96. |
| 3.4.1/97 | <i>Report on Meeting at London.</i> | 97.02.24. |

Dr. Becker briefly reviewed the Meeting in London which reinforced the need for the changes under discussion within IUPAC. He also briefly described the previous meeting in Belmont, USA (96.06.11-12), which had produced good general comments on the future policy directions of the Union but few specifics. Prof. Brown commented that it was important to balance the academic leanings of the Union with comments from industrial chemists. Prof. Jortner requested that Dr. Becker send the final reports on these two meetings to all the participants. The Vice Presidential Critical Assessment will also be sent when it has been finalized.

- 3.4.2/97 *Proposed Meeting with Asian Chemists.*

Prof. Fischli reported that the Asian Meeting is planned for June 21 in Singapore with participants from Japan, China, Australia, Malaysia, Thailand and India, and possibly other countries. The meeting is being organized by Prof. R. G. Gilbert and Dr. J. Miyamoto. Dr. Williams emphasized the need to carefully select the participants to get active participation.

- 3.4.3/97 *Vice Presidential Critical Assessment.*

Prof. Jortner reviewed his Critical Assessment with emphasis on the Goals and Objectives of the Union. After some discussion it was agreed that the goals should not be incorporated in the Bylaws but rather, become part of the material in the IUPAC Handbook. The proposal to slightly modify the statutory objectives will be sent as part of the Agenda for the Council, along with a discussion on the introduction of Goals. Dr. Becker will write the brief discussion.

Prof. Jortner next discussed the Principles described in his Assessment and how these related to the Union's core activities. His restructuring proposals are based on Interdisciplinary Unification and on Closing Gaps in the Union's activities. Divisions I & V have responded positively to the suggested organizational changes at the Frankfurt meeting. Materials and Biological Chemistry represent two large gaps in the Union's activities. To close these gaps Division IV has agreed to assume the lead in Materials and will change its name to some combination of Macromolecules, Chemistry and Materials to reflect this new emphasis. Division III will assume the lead on biomolecular chemistry. Consideration should be given to changing the name of the Division to Organic and Biomolecular Chemistry at the end of

the next biennium. The result of these changes should be a better promotion of interdisciplinary activity.

Prof. Fischli commented that we do not have a culture which promotes the termination of old activities and the start of new ones. Prof. Steyn pointed out the need to emphasize that IUPAC serves the needs of the chemical industry. He also commented that we need to have the Division programs reflect the Goals as they have now been introduced. Prof. Ward wished to emphasize the importance of the concept of uniqueness to the principle of relevance.

Prof. Fischli proposed that the Biotechnology Commission continue to report to the Bureau during 1998-99 to give the new leadership an opportunity to establish its programs. This will also allow Division III to develop interdisciplinary programs in biomolecular chemistry.

3.4.4/97 *Report on Meeting at Frankfurt.* 97.03.24

Prof. Fischli requested that Dr. Becker send a letter to the Presidents of Divisions I, III, IV, V, VI and VII requesting that they summarize their proposed organizational changes in a one page letter which after review by the members of the Executive Committee could be presented to the Bureau and voted on by the Council at Geneva. This will need to be available by June 15. The letter to Prof. D. W. Moss of Division VII should also include a request for suggested members of the new Division Committee.

3.4.5/97 *Discussion of Proposals by Prof. Leigh.*

Dr. Becker reviewed the key points in the proposal for the restructuring of the Union by Prof. Leigh. The Committee then considered in detail the major proposed changes.

Change Composition of the Bureau - The group came to the view that if only Union Officers and Division Officers are on the Bureau, policy generation and decision making would be done by a narrow group based solely in the Divisions. Proper management can reduce the amount of duplication between the Division Presidents' meeting and the Bureau meeting. The Committee agreed that it did not wish to change the composition of the Bureau as proposed.

Prof. Jortner suggested that there should be an annual meeting of the Division Presidents to review projects, chaired by the President of the Union.

Prof. Fischli raised the question "Should COCI and CHEMRAWN continue to have a representative on the Bureau?" The group concluded that this was necessary to promote interdisciplinary activities.

Establish a Public Affairs Division - The group concluded this was a responsibility of the Secretary General and the Secretariat which should be more actively pursued.

The Union Should Focus on Nomenclature - The group concluded this was contrary to the Objectives of the Union.

Money Should be Assigned to Projects not People - This is the direction in which the Committee would like to move the Union's activities.

Improve Chemistry International - This is a subject which has been raised on a number of occasions. The consensus was that by better use of the Internet and by including thoughtful essays discussing policy issues of importance to the international chemistry community CI could become a more significant publication.

Abolish the PAC and CI Editorial Boards - The Committee decided that these Boards needed

to be improved, not abolished. They should take a more active role in editorial policy. This will probably require a change in membership to include more elected members or members of special committees.

3.4.6/97 *Discussion Paper by Dr. Becker.*

Dr. Becker summarized the main points of his Discussion Paper on the Organization of the Union. The proposals are based on three main concepts:

1. The volunteers do not constitute the membership of the Union
2. Commissions should be transformed into limited term entities which are created to perform a single, defined project
3. Changing to a project based operation would create the need for an improved project generation mechanism and an improved recruitment mechanism for volunteers to serve on "project teams".

The Committee agreed that the concepts in the Discussion Paper should be presented to the Council in Geneva. It was decided to set up a Strategy Development and Implementation Committee (SDIC) in order to (a) develop further the goals proposed in the VPCA and define a long-range strategy and (b) determine how to implement the transition to a project-based organization. The President decided to appoint the committee immediately in order that results from the first meeting (planned for June) could be available for discussion with Bureau and Council at Geneva. The SDIC will be chaired by the Vice President, and will include representation from the IUPAC Officers, the elected Members of the Bureau, the Divisions and Standing Committees, and the chemistry community at large - total membership of about 10. Dr. Jost will provide staff support. Specific names were proposed, and the Vice President agreed to contact them and organize the committee.

The EC agreed that the work and ultimate proposals from the SDIC will not interfere with implementation of the recommendations of the Officers for reorganization of the Union as contained in the Vice-President's Current Assessment.

3.5/97 *Progress on Pool Projects 1996-7 and 1998-9.* Minute 3.2.6/96.

Dr. Williams spoke to his tabled Progress Reports on the Pool Projects for 1996-7 (97.04.03). The Committee agreed that this initiative had not been very successful, and that it should be stopped pending the other changes contemplated in the scientific policy of the Union. No attempt would be made to allocate the other thirteen Pool TM positions for 1998-9. In addition, it was decided to fund the participation of 1996-7 and 1998-9 Pool TMs at Geneva from unused Pool Project moneys rather than from the Assembly budget..

3.6/97 *IUBMB-IUPAC Joint Commission on Biochemical Nomenclature.* Minute 3.2.6/96.

The Committee agreed to notify IUBMB that only USD 6 536 was available from IUPAC for this joint activity in 1997, and that in future IUPAC wished to fill vacancies in its three non-Officer TM positions on JCBN with candidates from relevant IUPAC Commissions rather than with non-IUPAC biochemists.

3.7/97 *Affiliate Membership Program.* Minutes 3.2.7/96.

The Committee reacted favorably to Prof. J. W. Lorimer's draft report (97.03.03) and recommends that the AMP be continued during 1998-9 along the general lines advocated by the Committee on Affiliate Membership. The establishment of a Fellows program of

Affiliate Membership for members of Commissions and other working groups that have completed their projects was endorsed. The subsidy for Affiliates from less developed countries has already been stopped. Drs. Becker and Jost will prepare a report for the Bureau on proposed changes in CI and other tools for communicating with members. The Honorary Fellowship program needs further thought and will be postponed. A method for communication with chemists in LDCs needs to be developed. Dr. Becker is to incorporate these changes and to make necessary corrections and ask Prof. Lorimer to present a suitably modified report via the Bureau to Council at Geneva.

3.8/97 *Manila Declaration and Melaka Accord.* Minute 3.2.8/96.

Prof. Fischli reviewed the report and recommendations by the Medicinal Chemistry Section published in PAC (December 1996). Copies of this report should be sent to Prof. E. Dagne and Dr. B Abegaz. Dr. Williams will determine how many reprints of this report are available for use by IOCD.

3.9/97 *IUPAC Home Page on Internet and Other Publicity about the Union.* Minute 3.2.9/96.

Dr. Jost said that the Home page will continue to be located on the RSC site. In the near future the Home Page will be moved to a site in RTP with the RSC site becoming a mirror site. A new mirror site in Asia will be established, probably in 1998. The Home Page will become the chief means of communicating with the chemical community, especially those engaged in IUPAC projects.

Concerning other publicity about the Union, Dr. Becker and Prof. Ward had not received from Division Presidents any good examples for an article about IUPAC projects which saved, or could potentially save money for the chemical industry. Prof. Fischli preferred to defer any further action on the article, and to concentrate on developing the Home Page.

3.10/97 *Status Report on IUPAC Secretariat.* Minute 3.2.10/96.

Drs. Becker, Jost and Williams reviewed the status of the transfer of Secretariat functions to RTP. The main points were:

1. The office in Oxford will function until the end of September
2. Routine correspondence will be handled by the Oxford staff, other correspondence will be sent to RTP for handling.
3. The 1997 issues of PAC and CI will be handled by the current contractors.
4. Correspondence relating to 1998 and subsequent issues of PAC will be handled in RTP.

The RTP office will be functional as of April 10, 1997.

3.11/97 *Commission on Biotechnology.* Minute 3.2.12/96.

Prof. Fischli reviewed the current status of COB (as of 97.03.14). The new Chairman is Prof. R. D. Schmid (Germany), the remainder of the Committee is in the process of being selected and a meeting of COB was being scheduled for Geneva. The actions taken by Prof. Fischli were approved.

4.0/97 **Minutes of Meetings of Standing Committees.**

Minutes were recorded as having been received officially, and read by the Secretary General on behalf of the Executive Committee, of meetings of the Committee on Teaching of Chemistry (96.07.16), Interdivisional Committee on Nomenclature and Symbols (96.08.22-

23), Committee on Chemistry and Industry (96.08.30-31), CHEMRAWN Committee (96.09.01), and Finance Committee (97.02.17).

4.1/97 *Committee on Teaching of Chemistry.* 96.07.16.

The Officers of CTC will meet with Prof. Fischli in Basle on April 21 to review its current projects with view of reorienting the work in view of the programs of ICC.

Prof. Jortner proposed that each Standing Committee Chairman meet with the President at the General Assembly in Geneva. This is already the practice for Division Presidents.

4.2/97 *Interdivisional Committee on Nomenclature and Symbols.* 96.08.22-23.

The Executive Committee approved proposals for Dr. V. Metanomski (USA) to become Secretary (1998-2001). Prof. T. Cvitas Croatia) to become Chairman (2000-2003) after he had served as President of Division I for 1998-1999.

4.3/97 *Committee on Chemistry and Industry.* 96.08.31.

Nothing to discuss.

4.4/97 *CHEMRAWN Committee.* 96.09.01.

Prof. Ward reported that USD 5 000 has been transferred to the CHEMRAWN account to promote various initiatives. The Executive Committee approved this transfer.

4.5/97 *Finance Committee.* 97.02.17.

4.5.1/97 *Statement of Accounts for 1996.*

Prof. Ward reviewed the Statement of Accounts. The Committee instructed Prof. Ward to create a separate account as an Endowment Fund, with the windfall money received from Barings Bank as the initial contribution. With suitable guidelines and adequate publicity, the endowment might grow to provide an additional source of income to finance IUPAC projects. It was agreed that the Building Fund Account could be used to set up the office in RTP if current operating funds or amounts that might be transferred from operating reserves are inadequate. In addition an extra USD 50 000 should be put into the sinking fund to finance General Assemblies in the southern hemisphere or other expensive locations.

The Executive Committee agreed that the audited accounts for 1996 should be presented to Council at Geneva.

Prof. Fischli asked about the performance of the Union's securities in 1996. Prof. Ward said that Merrill Lynch had reported IUPAC's portfolio to have been one of its best in 1996. Although the fixed interest securities (bonds) had done poorly (return of only a few per cent), the equities had done well (a return of more than 20%). Also, Prof. Ward's dialogue with Merrill Lynch was a great improvement over that previously with Schweizerische Bankgesellschaft. Prof. Fischli asked that, in future years, the Executive Committee should be provided with a summary report on the performance of the securities.

4.5.2/97 *Appointment of Auditors for 1997-8.*

The re-appointment of NeutraTreuhand, AG as Auditors would be recommended via the Bureau to Council at Geneva. Prof. Ward was requested to determine if the Union is incurring any special costs by using a Swiss auditor.

4.5.3/97 *National Subscriptions.*

Egypt has been informed that it is no longer a member of the Union since it has not paid its subscriptions for 1995 and 1996.

Technical problems led to late subscription payments by Brazil and France. These have been resolved and the money has either been received or is in transit.

Russia is in arrears for 1996, but no explanation has been received. Letters have been sent reminding countries in arrears for 1996 that they will not be able to vote at the Geneva General Assembly if their subscription is not received. Prof. Fischli will contact Prof. O. M. Nefedov personally to determine what the situation is for Russia.

A one time special rate of USD 1 500 for Slovenia for 1997 was approved. Slovenia must pay on the basis of its chemical turnover starting in 1998 or move to Observer Country status.

In conformity with past practice, the Executive Committee accepted a recommendation that the 1993-4 biennial average chemical turnover should be used as the basis for calculating the 1998-9 subscriptions. To obtain the latest available Chemical Turnover values, the 1997 UNIDO "International Yearbook of Industrial Statistics" should be used, with exchange rates from the "International Financial Statistics Yearbook" of the International Monetary Fund..

4.5.4/97 Review of Approved Budget for 1997 and Capital Budget for 1997.

Prof. Ward reviewed the Budget as revised by the Finance Committee (97.02.17). He noted that he preferred his original estimate of USD 140 000 for Interest & Dividends earned to the USD 110 000 proposed by the Finance Committee. He also noted that the transfer from the Publications account is very uncertain due to changes in operating costs at the Secretariat.

4.5.5/97 Budget Preparations and National Subscriptions for 1998-9.

After reviewing the proposed budgets for 1998-1999 (as at 97.03.18), the Committee approved Prof. Ward's suggestion to Council that the increase in NAO subscriptions be based in future on the OECD inflation rate.

The Committee recommended that COCI should review the Company Associate Subscription rate with a view to increasing the unit to USD 1 000 and eliminating the service charge. Prof. Ward will write a short paper summarizing this view in time for the Geneva Meeting of COCI.

Prof. Ward and Dr. Jost were asked to discuss presentation of the budget as a biennial budget, i.e., one budget to cover the two year period between General Assemblies.

4.5.6/97 Finance Committee Membership.

Prof. Ward reported that there were now two Membership vacancies. Dr. J. Miyamoto has agreed to fill one of the vacancies (1998-2000), and the Executive Committee approved his appointment..

The Committee agreed that the Union should revert to previous practice and separate the functions of Treasurer and Chairman of the Finance Committee. Prof. Ward was asked to serve as a Member (1998-9) on the Finance Committee after his term as Treasurer and Chairman ended. It was decided to wait until after the new Treasurer had been elected to appoint a new Chairman of the Finance Committee and any other new Members.

5/97 Future General Assemblies and Congresses.

5.1/97 39th General Assembly (Geneva, 1997).

- 5.1.1/97 *Status Report.* Minute 5.1/96, 68th Bureau.
 Dr. Williams reviewed the status of the Geneva General Assembly. Of the more than 300 TMs, 45 had not yet (97.03.25) returned their registration materials. The Assistant Secretary (Finance) would start paying claims for travel and subsistence in late April (distant locations first). To date there was a total of 502 scientific participants and 183 accompanying persons.
- 5.1.2/97 *Council Matters: Agenda and Standing Committees Reporting to Council and Bureau.*
 It was decided that item 8 of the draft agenda should refer only to Division Presidents. The time limit for the Division Presidential presentations was set at 10 minutes each. Dr. Becker will send a letter to the Division Presidents and the Chairmen of Standing Committees regarding the time limit and its strict enforcement.
 It was decided to add CTC to the other Standing Committees making presentations.
 Prof. Jortner proposed, and the Executive Committee agreed, that the Secretary General should make a presentation to the Council, after item 6, on administrative matters.
 Prof. Brown commented that the President's report should cover broad issues including the Vice-President's Critical Assessment, while the Treasurer and Secretary General should cover specific financial and administrative issues. The Committee endorsed this concept.
 It was decided that the Chairmen of the Standing Committees, apart from IDCNS, should not make an oral report to the Bureau. They will be available if any questions arise from their written reports to Council.
- 5.1.3/97 *International Meeting of Chemical Society Presidents.* Minute 5.1.2/96, 68th Bureau.
 No information has been received from the New Swiss Chemical Society regarding the agenda for this event.
- 5.2/97 *40th General Assembly and 37th Congress (Berlin, 1999).* Minute 5.2/96, 68th Bureau.
 Dr. Williams reviewed the arrangements to date for the General Assembly, following the visit of Miss Ann Troughton and Mrs. Ulrike Inglis to Berlin-Dahlem (97.02.12-13).
 Prof. Jortner noted that the arrangements for the scientific program of the Congress are not as far along as he would wish. He will review the situation with Prof. tom Dieck when he visits Israel shortly. The International Advisory Board will be appointed after consulting with Prof. tom Dieck, as will the Chairmen of the various Program Committees. It would be helpful if a brochure or flyer for the Congress were available at the Geneva Congress and General Assembly.
- 5.3/97 *IUPAC Participation in International Celebration of Chemistry in 1999.* Minute 5.3/96, 68th Bureau.
 Prof. Jortner will discuss with Prof. tom Dieck how to incorporate this in the Berlin Congress.
- 5.4/97 *41st General Assembly and 38th Congress (2001).* Minute 5.4/96, 68th Bureau.
 Noting the withdrawal of the invitation from the Russian Academy of Sciences (97.03.13), the Executive Committee recommended via the Bureau to Council at Geneva the acceptance of the Australian bid to host the Congress and General Assembly. Detailed discussion should be initiated with the Australian Academy of Science after the Geneva Assembly

regarding the organization of the two events in 2001.

5.5/97 *42nd General Assembly and 39th Congress (2003).* Minute 5.4/96 68th Bureau.

Dr. Becker was authorized to inform the Canadian Chemical Society that a joint IUPAC Congress and CCS Annual Conference would be acceptable.

6.0/97 IUPAC Bodies.

6.1/97 *Ratification of Memberships Approved by Correspondence.*

The appointments, which had been made through correspondence by the President since the 68th Bureau meeting (Appendix A), were ratified by the Executive Committee..

6.2/97 *Nominations of New Members.*

The Executive Committee approved the appointment of Prof. R. A. Gross (USA) as a new member of the Commission on Functional Polymers following the resignation of Prof. S. Huang.

6.3/97 *Changes to Statutes and Bylaws.* Minutes 6.7 & 7.2(ii)/96, 68th Bureau.

The proposal to no longer require the approval of NAOs for appointments to Commissions and Committees had been circulated by Dr. Becker. Few comments were received, with four NAO's endorsing the change and one NAO objecting. The wording in the original proposal has been changed to include a procedure to notify NAOs.

The Committee approved the revised "Objects" of the Union as described in the Vice President's Critical Assessment and directed Dr. Becker to include a proposal for change in Statute 1.

The Committee endorsed the revised proposals for changes in Statutes and Bylaws, as given in Appendix B. This document will be circulated to NAO's with the Council agenda for Geneva four months prior to the meeting..

6.4/97 *Fullerene Nomenclature and Terminology.* Minute 6.11/96, 68th Bureau.

This project is complete and a report (preliminary survey) will be published in PAC before Geneva. The Committee agreed that future policy and procedures regarding chemical nomenclature should be included in topics to be addressed by the Strategy Development and Implementation Committee.

Dr. Becker will come forward with a suggestion on how the Union might move forward in the light of Beilstein machine developments re IUPAC's present chemical nomenclature mechanisms, possibly through convening a workshop of Beilstein, Chemical Abstracts Service and IUPAC experts.

7.0/97 Relations with Other Organizations.

7.1/97 *ICSU Matters.*

7.1.1/97 *Collaboration with ICSU Scientific Committee on Problems of the Environment.* Minute 7.1.1/96, 68th Bureau.

The Committee noted the minutes of a meeting re collaboration of ICSU-SCOPE and IUPAC (London, 97.02.22).

Prof. Fischli proposed that Dr. Miyamoto be asked to provide a list of 10-15 authors for a White Book on Endocrine Disrupters which will be referred for comment by COCI and

Division VII. Subsequently there will be consultation with IUTOX and IUPHAR to discuss the list of authors. Prof. Fischli was given authority to manage this project.

- 7.1.2/97 *Collaboration with ICSU Scientific Committee on Oceanic Research.* Minute 7.1.2/96, 68th Bureau.

No action was needed on the report from Prof. D. Turner to Prof. Fischli (96.12.04).

- 7.1.3/97 *Science and Technology for Earth Management.*

Dr. Miyamoto will be asked by Prof. Fischli to develop, in conjunction with his Commission Chairmen, a proposal for ICSU.

- 7.1.4/97 *The Antiscience Cancer.*

The Executive Committee agreed to refer Prof. A. J. Bard's views to ICSU (re capacity building), and to circulate them to the NAOs since action will be better developed nationally. Also Dr. Williams was requested to arrange the publication of Prof. Bard's views in CI.

- 7.2/97 *Collaboration with International Brain Research Organization.*

Prof. Fischli reported on his preliminary discussions with IBRO for a joint symposium or a symposium-in-print on a suitable topic, liaising with IUPAC's Clinical Chemistry Section, IUPHAR and IUTOX.

- 7.3/97 *Application for Upgrading to Full Membership by Puerto Rico.* Minute 7.2(i)/96, 68th Bureau.

The Bureau had endorsed in principle the admission of Puerto Rico, subject to satisfactory compliance with Statutes 1, 3.1 and 3.2, which refer to a "country." Under Statute 14.4. President Fischli issued the following ruling to clarify these Statutes (and thus to broaden the interpretation given by President Smets in 1979):

In accord with IUPAC's status as a non-governmental organization, the word "country" as used in Statutes 1, 3.1 and 3.3 may include a specific geographic territory that is widely recognized as having the cultural and administrative characteristics usually associated with an independent state but without necessarily having complete independence or sovereignty.

Under this interpretation, the Committee agreed that Puerto Rico could be treated as a country for the purposes of membership in the Union. The application will be forwarded via the Bureau to Council at Geneva.

In addition, the Committee agreed that the chemical turnover figures for the USA should be recalculated in determining the 1998 subscriptions to insure that the amount listed for Puerto Rico is not counted twice.

- 7.4/97 *Application for Membership by Union of Yugoslav Chemical Societies.* Minute 7.8/96, 123rd Executive Committee.

The application will be forwarded via the Bureau to Council at Geneva with a recommendation that the subscription should be USD 2 000 until the UYCS can supply some CT data .

- 7.5/97 *Application for Upgrading to Full Membership by Pakistan.* Minute 7.2/96, 123rd Executive Committee.

The application will be forwarded via the Bureau to Council at Geneva.

- 7.6/97 *Inquiry for Upgrading to full Membership by Philippines.*

Subject to provision of the requested material, the application will be forwarded via the Bureau to Council for approval at Geneva.

7.7/97 *Application for Downgrading to Observer Organization Status by Turkey.*

Turkey's request for downgrading in 1997 was accepted by the Executive Committee.

7.8/97 *Four-year Review of Associated Organizations.* Bylaw 5.5.

Dr. Becker noted that the 18 reports received from Associated Organizations were satisfactory but that 11 AOs had not yet responded. Dr. Williams will ascertain whether any AOs have failed to pay the service charge. Dr. Becker will write to the non-reporting AOs pointing out the need for a report to Council.

7.9/97 *Change in Name for International Congress of Catalysis.*

The new name of the ICC, International Association of Catalysis Societies was noted and its new status.

7.10/97 *New Constitution for Federation of European Chemical Societies.*

Dr. Becker reported on the 1996 General Assembly of the FECS and the new Constitution of the Federation, which reflected the closer links established with the European Communities Chemistry Council.

7.11/97 *100th Anniversary of Discovery of Polonium and Radium.*

Dr. Williams was requested to write again to the Polish NAO to ascertain the exact date of this event.

7.12/97 *Joint Committee for Guides in Metrology.* Minute 7.9/96, 123rd Executive Committee

The new name of the organization was noted, instead of Forum for Interorganizational Cooperation in Metrology (FICOM).

7.13/97 *Proposed K. I. Zamaraev Foundation.*

The Committee enthusiastically endorsed the concept of the proposed Foundation but discussed at length the desirability and precedent of a financial contribution from IUPAC. The Committee decided to donate USD 5 000 to the Foundation with the note that this represents an unprecedented situation in which an IUPAC Officer had died while holding office. Dr. L. Zamaraeva will be requested to place a member of the IUPAC Bureau on the Board of the Foundation and to inform the Union of the names of the awardees.

7.14/97 *2nd Session of Intergovernmental Forum on Chemical Safety.*

Prof. Fischli briefly reviewed the participation of Dr. Miyamoto in the Forum as the representative of the four nongovernmental scientific organizations involved.

8.0/97 Publications.

8.1/97 *Status Report.*

Dr. Williams reviewed the situation. The current year of PAC will be managed by a contractor, including the subject index. RTP will handle correspondence relating to the 1998 issues. CI is being managed by a different contractor. After some early problems the situation for CI is now satisfactory. The Committee thanked Dr. Williams for his handling of this difficult situation, which involved both great stress and much additional work on his

part.

8.2/97 *Supplement to "History of IUPAC".* Minute 8.4/96, 68th Bureau.

A Name Index for the existing book has been completed by Dr. S. S. Brown, who is now reviewing the minutes of EC, Bureau and Council meetings. He hopes to scan the minutes into computer readable form to facilitate his work.

8.3/97 *Update of "Chemical Safety Matters".* Minute 8.5/96, 68th Bureau.

Dr. Miyamoto will provide a recommendation in the near future.

9.0/97 **Sponsorship of Symposia**

9.1/97 *Ratification of IUPAC Sponsorship of Symposia.*

The Sponsorships of Symposia (Appendix C), approved through correspondence by the Secretary General on behalf of the President since the 68th Bureau meeting, were ratified by the Executive Committee .

9.2/97 *Participation of Chemists from East European Countries.* Minute 9.3/96, 123rd Executive Committee.

It was agreed that the standard letter to symposium and conference organizers requesting sponsorship will be revised by Dr. Becker and Dr. Jost and will no longer contain a paragraph requesting student rates for chemists from East European countries. Prof. Jortner will discuss with Prof. tom Dieck the desirability of offering student rates to chemists from Eastern Europe for the 1999 IUPAC Congress in Berlin.

10.0/97 *Dates and Place of Next Executive Committee Meeting.*

The next Executive Committee meeting will be on 4 and 5 April 1998 at the Secretariat office in Research Triangle Park, North Carolina, USA.

11.0/97 **Any Other Business.**

11.1/97 *IUPAC Participation in 100th Anniversary Celebrations of US National Bureau of Standards.*

Dr. Becker will discuss this with Dr. R N. Goldberg of US-NIST.