

International Union of Pure and Applied Chemistry

125th MEETING OF EXECUTIVE COMMITTEE

Research Triangle Park: 4-5 April 1998

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International Union of Pure and Applied Chemistry

125th MEETING OF EXECUTIVE COMMITTEE

Research Triangle Park: 4-5 April 1998

MINUTES

Present: Prof. J. Jortner (Chairman), Dr. E. D. Becker, Prof. A. E. Fischli,
Dr. A. Hayes, Prof. H. Ohtaki, Dr. E. P. Przybylowicz, Prof. P. S. Steyn,
Prof. J. M. Ward

Secretary: Dr. J. W. Jost

1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Jortner welcomed the members of the Executive Committee to the first IUPAC meeting held at the new Secretariat. No changes to the Agenda were made.

2. MINUTES OF 124TH MEETING OF EXECUTIVE COMMITTEE

2.1 AMENDMENTS AND APPROVAL

The Minutes of the 124th Meeting of the Executive Committee were accepted as circulated.

3. MINUTES OF 69TH & 70TH MEETINGS OF BUREAU, 39TH COUNCIL AND MEETING OF OFFICERS (20 NOVEMBER 1997), AND MATTERS ARISING

The Minutes of the Bureau, Council and Officers Meetings were received.

4. MEETING OF PRESIDENTS OF REGIONAL CHEMICAL SOCIETIES

Prof. Jortner noted that the meeting of the Presidents of regional chemical societies at the IUPAC Secretariat on 29-30 January was the first of its kind. The purpose of the meeting was the sharing of information and determination of areas of cooperation. The areas of cooperation identified were legislation, education and the public understanding of chemistry. The latter will focus on the Worldwide Celebration of Chemistry Week in 1999.

Dr. Przybylowicz asked if the other societies had Legislative Committees comparable to that of the American Chemical Society. Dr. Hayes replied that the Royal Society of Chemistry had active groups in this area but that the Europe wide rôle of the Federation of European Chemical Societies is small or nil. He noted the importance of Europe wide associations in the future.

Prof. Jortner noted the heterogeneous nature of the regional chemical societies and the need to maintain continuing contacts with a sharpening of focus. It is not yet clear whether such contacts will help in developing IUPAC policy.

The Executive Committee concurred that these meetings should be continued. The next meeting will take place at the IUPAC General Assembly, Berlin 1999.

5. REPORT OF THE SDIC

Prof. Jortner noted that this is the central topic of this meeting. Decisions made at this meeting will shape the future of the Union into the 21st century. The SDIC was

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formed at the last meeting of the Executive Meeting and was asked to provide a report for this meeting. This has been done. Discussions in previous years led to a desire to:

- Update the Mission of the Union
- Determine Objectives and achievable goals
- Take account of the globalization of the Union's activities.

The charge of the SDIC had two parts:

- Develop a Strategic Plan
- Recommend needed changes in structure and function of IUPAC scientific activities, along with specific means to effect the changes.

The membership of the Committee was unique in that it was drawn largely from the Bureau and the Divisions but also included "outside" members. The meetings of the SDIC were effective and energetic. All participants, including the non-IUPAC members, provided valuable ideas. The Executive Committee expressed its appreciation of the work of the SDIC. The Committee began with a difficult task, came together, worked effectively and produced a significant result. It was noted that the final report includes extensive background material to help readers place the report in context.

5.1 HIGHLIGHTS OF THE STRATEGIC PLAN

Prof. Jortner noted that the Strategic Plan developed by the SDIC had been sent to the Bureau for comment prior to its completion and that a number of valuable suggestions had been incorporated. Only one unfavorable comment was received from a Bureau Member. One point was based on a misunderstanding of the rôle of the EC while the second was that the Strategic Plan gave the impression that the scope of the Union was being unduly broadened. The Strategic Plan was approved by the EC on 26 February 1998 and was then widely distributed. Dr. Przybylowicz commented that the US National Committee was very supportive of the Strategic Plan.

5.2 IMPLEMENTATION AND UPDATING OF THE STRATEGIC PLAN

Dr. Becker reviewed the proposal that he had prepared regarding Implementation and Updating of the Strategic Plan.

The Committee discussed the need to have a periodic review of the correspondence between actual activities and the Strategic Plan. It was concluded that this could be part of the Vice President's Critical Assessment. The VPCA might be in two parts, an early part looking at new ideas and a late part reviewing the process.

The Committee approved the proposal in slightly modified form (Attachment 1) to be submitted to the Bureau. Prof. Jortner emphasized the schedule and pace of the implementation process, and he asked that the "interim procedures" in the proposal be implemented as soon as possible. The pilot organizations suggested for the interim process are CHEMRAWN, CPEP and Division IV.

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5.3 PROPOSALS FOR ORGANIZATION AND MANAGEMENT OF SCIENTIFIC ACTIVITIES

Prof. Jortner reviewed the major concepts of the Proposals for Organization and Management of Scientific Activities.

- Minimum change of Bylaws and Statutes
- Major changes in the responsibilities of the Division Presidents and Division Committees
- Changes in election procedure for Division Officers and Division Committees
- Prospective and retrospective evaluation of projects
- Structure and future function of Commissions.

Since there is extensive interaction among the above points, the SDIC recommended a comprehensive program and timetable to effect the changes.

The group noted the need to avoid the impression that this was a top down process. It was decided to add a note to the section of the report on "Follow-up Actions" regarding the rôle of the Division Presidents and Division Committees in developing the processes for implementation of the SDIC report. Some actions will have to be done in concert with approval of the report by the Bureau.

The Committee agreed that the procedures for implementing the recommendations of the SDIC regarding elections should be developed by the Division Presidents while at the same time uniformity should be sought in the procedures finally adopted by the Divisions. The EC should be given an opportunity to review the proposals of the Divisions. The new procedures for elections need to be in place for the Division Committees and Officers for 2000-1, who will be elected in 1999. The Committee expressed its desire that these new election procedures should lead to a new result. This is a natural consequence of the dramatically increased rôle of the Division Committees in the management of the Union's scientific work. It was also felt to be important that the nominees for Division President be chosen in consultation with the President of the Union.

The need for further action on the integration of Division VII was noted. The intent of the creation of the new Division had been to expand the work of the Union beyond the traditional areas of clinical chemistry and medicinal chemistry. This has not yet occurred. For the purposes of this report Division VII will be treated like the other Divisions and the sections ignored.

The importance of National Representatives to many of the smaller countries was noted as well as the need to have a mechanism for involving NRs in the new structure. The Division Committees will become the focus for project generation and evaluation. The Union now has the opportunity to reach out to broader groups, such as the Associated Organizations. The inclusion of NRs on Division Committees is an important mechanism for this outreach. In this new environment NRs should be appointed because of their expertise, they should not be viewed as "delegates". It must be remembered, however, that the current Commissions will be the main source of new project ideas for the

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next few years.

The group discussed the feeling among many Commission members that the SDIC proposals will cause the Union to lose continuity in its work. The SDIC report had pointed out that some things require continuity while others are amenable to short term working groups. It was decided that the EC should make a statement that tells the members of IUPAC bodies what is about to happen.

The Committee discussed budgetary implications of the SDIC proposals. It is expected that the separate budgeting for the General Assembly will be eliminated as the new mode of operation is implemented. Attendance at the General Assembly will then be paid for from Division and Standing Committee Budgets. A consequence of this change will be the need for the Secretariat to provide more financial management backup to the Divisions. The new organization will also require that a balance be made between Divisional Budgets and Central Budgets. The Divisions need to have some financial flexibility. In the new environment, the Division Committees will decide who should attend General Assemblies. The major remaining question of how budgets are allocated to Divisions for maximum impact must be considered by the Finance Committee. This should include consideration of how to balance funds allocated to Divisions and central funds. The Committee also discussed the possible need for a "Impact/Allocation" Committee to allocate funds above the base budget.

5.4 ACTIONS NEEDED TO EFFECT THESE PROPOSALS

Prof. Jortner made the following motion:

The Executive Committee accepts the report of the Strategy Development and Implementation Committee, thanks the SDIC for its valuable contributions and discharges the Committee.

The EC endorses the integrated program and timeframe proposed by the SDIC for improvement in the organization and management of the Union's activities. The EC encourages suggestions from the members of all IUPAC bodies and from the National Adhering Organizations on ways in which the recommendations of the SDIC can be strengthened before their submission to the Bureau in September 1998 for action.

The Executive Committee unanimously approved this motion and asked that a number of actions be taken to ensure that the Bureau has a fully developed proposal for consideration in September and to give all interested parties an opportunity to provide comments prior to the Bureau meeting.

1. Dr. Becker will prepare a summary of the actions by the EC regarding the SDIC report, which will be distributed with the report.
2. Prof. Jortner will send separate letters of transmittal to the NAOs, Members of the Bureau, Members of Division Committees, Commission Officers, and Standing Committee Chairmen.
3. Dr. Jost will see that the report, together with an introduction from the

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President, is mounted on the IUPAC web site and published in *Chemistry International*.

4. Dr. Becker will ask each Division President to develop a plan for carrying out nominations and elections to Division Committees according to the recommendations by the SDIC. He will also ask them to consider how National Representatives could best be accommodated as non-voting members of the restructured Division Committees.
5. The Finance Committee will analyze the budgetary implications of the new structure and procedures.

Prof. Jortner noted that the development of criteria for project evaluation is an important open question. He asked the Committee to approve the formation of an *ad hoc* Committee on Project Evaluation Criteria (CPEC) to develop this process. The EC approved this request. The charge to the CPEC and its membership as subsequently appointed by the President is given in Attachment 2.

6. DISCUSSION OF PROPOSAL BY DIVISION PRESIDENTS

Prof. Jortner and Dr. Becker reviewed the history of Prof. Leigh's proposals for restructuring of the Bureau. The original proposal was extensively discussed at the EC meeting in 1997. Prof. Leigh then organized a meeting of the Division Presidents, authorized by the President of the Union. The report presented here is based on Prof. Leigh's original report and the results of the meeting of Division Presidents. Prof. Leigh had desired the immediate distribution of this report to the Bureau and NAOs. It was decided to treat the report as a discussion paper that will be considered in turn by the EC and Bureau.

Dr. Becker said that the report was sent to the SDIC in order that material pertinent to the SDIC's charge could be considered at the SDIC meeting in January. However, much of the report deals with reorganization of the Bureau, a topic outside the scope of the SDIC, but one that should be considered in detail by the EC. He noted comments about this meeting being unique are factually incorrect since the Division Presidents meet annually in accord with the Bylaws.

In the general discussion of this report, the Committee felt that many good ideas were expressed, but the methods proposed for implementing the ideas were not always feasible. For example, the idea of special *ad hoc* committees of the Bureau is a useful one; however, the composition and responsibilities of the three committees that were suggested might be problematical.

Dr. Becker was asked to prepare a paper summarizing the EC comments on this report. This paper should accompany the text of the report in the agenda book for the Bureau meeting in September.

6.1 PROPOSALS FROM CTC AND DIVISION V

The Committee noted the proposals from the Committee on the Teaching of Chemistry and Division V.

7. VICE PRESIDENTIAL CRITICAL ASSESSMENT

Dr. Hayes described his plans for the VPCA. He plans to work on areas not covered by Prof. Jortner. The focus will be on relations to Trade Associations, UN bodies, Chemical Societies, and the Standing Committees. He will start with meetings in Washington with the American Chemical Society and Chemical Manufacturers Association as well as the US National Academy of Sciences/National Research Council and the National Science Foundation. The question of the involvement of young chemists in international activities may also be looked at. How can IUPAC have an impact compared to other groups? A model might be the CHEMRAWN in Baltimore. For this Conference, 20-25 young scientists from developing countries were brought to the meeting with the expectation that they would teach larger groups locally.

Prof. Jortner suggested that the first draft should be done by the end of December 1998.

8. SCIENTIFIC PROJECTS, 1998-9

8.1 STATUS OF COMMISSION PROJECTS FROM GENERAL ASSEMBLY

Dr. Jost reviewed the current programs database. The number of active projects had been reduced to less than 400 by extensive review of the status of the projects with each Division.

8.2 POOL PROJECTS AND POOL TITULAR MEMBERS

Prof. Linders was approved as a Pool Titular Member for 1998-9.

8.3 METHODS FOR MEASUREMENT OF PH

Dr. Becker reviewed the history of this project. It was organized as a joint activity of Division I & V and the first meeting of the Working Group was held at Durham, UK. Progress has been made and the problem may be well on the way to being resolved. This project is a good example of how the new project based system should work.

8.4 STANDARDS FOR ELECTRONIC DATA BASES-JOINT IUPAC/CODATA PROJECT

Dr. Becker reviewed the proposal from Dr. Kehiaian. This project has the support of CPEP. The Working Group formed to carry out this project will be drawn from a number of different Divisions. The Committee endorsed the project.

9. INTERIM PROCEDURES FOR APPROVAL AND FUNDING OF INTERDIVISIONAL PROJECTS

Dr. Becker pointed out that Dr. Kehiaian's proposal illustrates the need for a mechanism to deal with project proposals during this interim period while the Union changes from a Commission system to a project driven system.

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The Committee agreed that the Secretary General, in consultation with the Treasurer, would have the authority to approve special projects.

9.1 PROPOSALS FOR ICSU GRANTS

Prof. Fischli reported that the tripartite proposal (IUPAC/IUPHAR/IUTOX) to develop a conference series on molecular toxicology had been withdrawn. The other Unions had been asked to work with Division VII to prepare a proposal on this subject for submission in 1999.

Prof. Jortner commented that some of the proposals, such as that on updating the recently published Compendium of Analytical Chemistry, demonstrated the need for assistance to IUPAC bodies in preparing complete and persuasive proposals.

10. FELLOWS AND AFFILIATE MEMBERSHIP PROGRAMS

Dr. Jost reviewed the status of the IUPAC Fellows Program. There are currently 169 Fellows in the database with more expected to be added as reports are received from more Commissions regarding their membership.

The Committee discussed various ways of recognizing Fellows. The suggestions included lapel pins and plaques (possibly sent by the NAO). The consensus of the group was that the value of such items was viewed very differently in many societies and it would be difficult to devise one means of recognition that was appropriate for all, or even a majority, of the Fellows. The Secretariat was asked to send the appointment letter to the Fellows on a heavy paper stock with the IUPAC letterhead. This letter could be framed if the Fellow desired.

11. IUPAC WEB SITE AND OTHER PUBLICITY ABOUT THE UNION

Dr. Jost reviewed the changes made to the IUPAC web site since it had been relocated to the Sunsite server at the University of North Carolina, Chapel Hill. A short demonstration of the current site was given. Future plans call for the addition of a number of new capabilities, including discussion groups, list servers and on line publications. A new staff member has been added to the Secretariat whose major responsibility will be the content of the web site.

12. STATUS REPORT ON IUPAC SECRETARIAT

Dr. Jost reported that a new Administrative Assistant had been hired. Invoices have been sent out for National Subscriptions and Company Associates. Major efforts continue to be applied to updating the membership database and the current programs database.

13. PUBLICATIONS

13.1 STATUS REPORT

Dr. Jost reported on the production problems with both *Chemistry International* and *Pure and Applied Chemistry*, both of which will be

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published late this year. Dr. Becker will review the situation and write a letter to Mr. R. Campbell of Blackwell Science if it seems useful.

The Committee continues to feel that the Union needs to thoroughly analyze its publishing options, either with other publishers or as its own publisher. Both traditional modes of publication or new ones needed to be considered.

Dr. Jost reported that the January issue of *CI* would be the first to be available on the IUPAC web site. The new publishing arrangement for the Solubility Data Series with the National Institute of Standards and Technology was also described.

13.2 ENDOCRINE SPECIAL ISSUE

Prof. Fischli noted that many organizations had expressed interest in purchasing copies of the special issue in bulk for distribution to their members. The manuscripts for the individual chapters are scheduled to be completed by the end of April, although some may not be available until the end of May due to delays in arranging for authors of some of the chapters. The review of the completed manuscripts for suitability will be done by the three cooperating societies (one third by each) with publication scheduled for late in the third quarter or early in the fourth quarter of 1998. While management of the special issue has been transferred to Dr. A. N. Wright, Prof. Fischli will remain involved. It was noted that a regular structure needs to be set up to manage future special issues.

13.3 SPECIAL ISSUE EDITOR FOR *PURE AND APPLIED CHEMISTRY*

Prof. Jortner reported that an editor had not yet been found to take on the task of producing 1-2 special issues on topics at the frontiers of chemistry. He will continue to search for a suitable candidate. Dr. Becker noted that in some cases it might be better to have 1-2 special topics per issue rather than a whole issue devoted to a single topic.

13.4 FORUM EDITOR FOR *CHEMISTRY INTERNATIONAL*

Prof. Jortner described the concept of adding new material to *CI* on global science policy and learned articles for a general scientific audience. An editor to take on this responsibility has not yet been found.

13.5 SUPPLEMENT TO "HISTORY OF IUPAC"

Dr. Jost reported that Prof. S. Brown plans to have a manuscript at the publisher in June. The Committee asked the Executive Director to set up a review process for the manuscript.

13.6 CONFERENCES ON THE FRONTIERS OF CHEMISTRY

Prof. Jortner described the concept of Conferences on the Frontiers of Chemistry. Prof. M. El-Sayed has agreed to organize the first two conferences in the series. The first will be on Advanced Materials and will be held in Hong Kong. A budget of USD 20K has been approved for 1998-9.

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Prof. Fischli commented that he was anticipating the development of a well-respected, high profile conference series. Dr. Becker noted that a review of the sponsored symposia was appropriate at this time in order to determine if their overall quality could be improved.

13.7 DISSOLUTION OF THE *CHEMISTRY INTERNATIONAL* EDITORIAL ADVISORY BOARD

Dr. Becker reviewed the intended function of the *Chemistry International* Editorial Advisory Board. He concluded that the Board no longer had a useful function and recommended that it be dissolved. The Committee approved this recommendation. Dr. Becker was asked to write a letter to the current members informing them of the EC's decision.

14. UNESCO-IUPAC INTERNATIONAL COMMITTEE ON CHEMISTRY

Prof. Fischli reviewed the January meeting of the Executive Committee of the ICC. He noted that UNESCO had agreed to fund the attendance of 20 young chemists from the third world and Eastern Europe at the Berlin Congress. Prof. Jortner commented that this was now being handled directly by the Gesellschaft Deutscher Chemiker and UNESCO.

14.1 WORLD SCIENTIFIC CONGRESS

Prof. Fischli commented that the intention of UNESCO was to create the scientific equivalent of the Davos World Economic Forum. The schedule for planning the conference is tight and decisions on topics and speakers must be made soon if the conference is to have the desired impact. The arrangements for the WSC are now in the hands of ICSU with input on chemistry to be provided by the ICC.

14.2 CHEMISTRY IN AFRICA'S LEAST DEVELOPED COUNTRIES

Dr. Becker and Prof. Steyn reviewed the history of the proposal made to UNESCO. The report of Prof. C. Garbers is viewed as being a significant contribution in this area. The next steps are not yet clear. The faculty at many African Universities is well trained. The major problem is a lack of infra structure. More than 50% of the operating costs of African Universities are covered by donor funds. The difficulty in traveling, even within Africa, makes regional cooperation difficult. UNESCO will publish the full Garbers report.

Prof. Garbers has not yet developed a project within the scope of IUPAC. The meeting in Durban should provide more information. The question of what resources UNESCO has available and what it has committed is still uncertain. Dr. Przybylowicz commented that his experience with the State Department program for former "Satellite Countries" showed him that small amounts of money could be very effective.

14.3 PROPOSED TRAINING IN INDIA

14.4 PROPOSED TRAINING IN LATIN AMERICA

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Prof. Fischli briefly reviewed the two proposals for training, in Latin America and India. The former program would fund five trainees working at labs in Argentina, Brazil and Chile. This proposal has the benefit of low language barrier and higher probability of return to the home country. The selection committee proposed by Prof. A. C. Paladini would consist of Prof. F. Galembeck, Prof. B. K. Cassels and the Secretary General of IUPAC with Prof. Paladini as Chairman. The proposal from Prof. Rao would cover all in country costs with travel expenses paid by IUPAC/UNESCO. Both programs are intended specifically for chemists.

Prof. Jortner commented that these two proposals raise a policy issue: Is this the kind of program that IUPAC wishes to operate? IUPAC policy for developing countries focuses on capacity building, which includes human capital, research support and the benefits of research support.

The Paladini and Rao proposals are comparable in their order of magnitude compared with IUPAC capability, even though the former is considerably more expensive. These projects will need peer review before approval by the full ICC. These proposals may be appropriate for Endowment money.

The Committee decided not to pursue these proposals until further details are available. Prof. Fischli was asked to solicit as soon as possible the opinions of the members of the ICC on the training projects described in Items 14.3 & 14.4. The EC will decide on possible funding for these projects after this information is obtained.

15. FINANCE COMMITTEE

15.1 MINUTES OF THE FINANCE COMMITTEE AND STATEMENT OF ACCOUNTS FOR 1997

Prof. Ward reviewed the accounts and discussed his written commentary. He noted that the figures had changed slightly from those in the agenda book due to revisions in classification of some expenses.

The Committee accepted the accounts as presented.

15.2 NATIONAL SUBSCRIPTIONS

Dr. Jost reviewed the current status of National Subscriptions.

The Committee discussed the question of using chemical turnover as the basis for computing National Subscriptions. Does this measure reflect the nature of the global chemical industry? COCI was asked to study the issue of alternative bases for calculating National Subscriptions. The Committee suggested that it might be necessary to consult an economist/planner rather than the members of COCI. The Committee emphasized the need to rely on international sources of data.

15.3 REVIEW OF BUDGETS FOR 1998-9 AND CAPITAL BUDGET FOR 1998

Prof. Ward reviewed the revised budgets. Lower than originally planned

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expenditures on Secretariat operations has led to a larger surplus. He raised the issue of whether or not this money should be used to increase the scientific work of the Union.

The Committee discussed alternative uses for this money. It could be distributed to the Divisions, used to complete the work of Commissions or to start new projects. The difficulty of getting Commissions to increase their rate of spending is one of the consequences of the current organization. The Committee decided that the best use of this money would be to accelerate existing projects. Commissions and Standing Committees would be asked to make proposals for new projects. Proposals should be evaluated on their relevance to the three major segments of the Union's activities. The Committee emphasized that applications should be for project funding.

Prof. Ward suggested that the per diem be increased from 65% of the ICSU rates to 70-75%.

Prof. Jortner suggested that they be raised to 70% with the comment that the rate could be raised in special cases. The Committee agreed to this proposal and asked the Executive Director to issue new subsistence rate tables showing the increased rates effective 1 May 1998.

15.4 ENDOWMENT FUND

Prof. Ward reviewed his written comments on the Endowment Fund. He suggested two alternatives for increasing the Endowment Fund. The first would be to simply add the Building Fund to the Endowment Fund and use the income from the Fund for specified purposes. The second would be to create a Reserve Endowment Fund in addition to the Endowment Fund. The Reserve Endowment Fund would be used to match contributions from donors to the Endowment Fund. The possibility that some donors would want to earmark their donation for the funding of certain projects was accepted as a part of the operation of the Reserve Endowment Fund. The Committee requested the Treasurer to set up the two funds as proposed.

The Endowment Fund could be invested either in fixed income securities or in the same mix of investments as the rest of the portfolio. The Committee agreed with the Treasurer's proposal that the Endowment Funds be invested in the same portfolio mix as the rest of the portfolio.

The Committee agreed with the proposal of Prof. Jortner that the purpose of the Endowment Fund should be to do worthwhile projects that are in conformance with the Mission Statement as detailed in the Strategic Plan and that encourage young scientists.

15.5 FINANCE COMMITTEE MEMBERSHIP

Prof. Ward noted the two new members of the Finance Committee, Dr. J. Miyamoto and Dr. H.-L. Senti. Dr. Przybylowicz will become Chairman at the 1999 meeting in preparation for the separation of the positions of Chairman of the FC and Treasurer with the election of a new Treasurer at the 1999 General Assembly.

16. FUTURE GENERAL ASSEMBLIES AND CONGRESSES

16.1 40TH GENERAL ASSEMBLY AND 37TH CONGRESS (BERLIN, 1999)

The Berlin General Assembly, 7-14 August 1999, and the Congress, 14-19 August 1999, are both proceeding according to plan.

16.1.1 IUPAC Participation in International Celebration of Chemistry in 1999

Dr. Becker briefly described this program, led by the ACS. The rôle that IUPAC could play is not clear, since the program is geared to participation by individuals. The group agreed that this is a program for national chemical societies, not for IUPAC.

16.2 41ST GENERAL ASSEMBLY AND 38TH CONGRESS (2001)

Dr. Becker reported that the Australian Academy of Science and the Royal Australian Chemical Institute had proposed an alternative format for the General Assembly and Congress. The proposal is to have the General Assembly and Congress run concurrently. Attachment 3 gives one possible schedule for such an arrangement. The Congress would schedule its events in the morning and evening, leaving the afternoons free for participants to use as they wished. The General Assembly meetings would take place in the afternoons. The major advantages of this arrangement would be lower cost for space rental and potentially increased attendance at the Congress. A further benefit would be the integration of the Union's scientific activities as represented by the Congress and its administrative activities as represented by the General Assembly. There would also be an opportunity to use the Congress as a forum for the presentation of IUPAC recommendations and for gathering suggestions for future IUPAC projects.

The Committee agreed that the proposal of the AAS and RACI was attractive and asked the Secretary General to inform the Australian organizers that they should pursue this concept.

16.3 42ND GENERAL ASSEMBLY AND 39TH CONGRESS (2003)

The Canadian National Committee for IUPAC has asked for information to allow it to consider the possibility of hosting the Congress and General Assembly in 2003.

17. IUPAC MEETINGS IN AFRICA AND LATIN AMERICA

Prof. Jortner noted that the Durban meeting will allow the leaders of the African Chemical Community and IUPAC to discuss how IUPAC could better meet the needs of the African Chemical Community.

Prof. Steyn reviewed the program and the participants. Dr. Hayes suggested that Dr. Sanchez, the organizer of CHEMRAWN XII, be invited to the meeting.

Dr. Becker reported that IUPAC had been invited to make an hour presentation to the Board of the Federación Latinoamericana de Asociaciones Químicas during the

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FLAQ meeting in Puerto Rico 26-30 July 1998. This was an excellent opportunity to explore the possibilities for expansion of IUPAC membership in Latin America. The President asked Dr. Becker and Dr. Jost to represent IUPAC at this meeting.

18. SCHEDULE FOR BUREAU MEETING AND PRE-MEETINGS, 24-27 SEPTEMBER 1998

Dr. Becker reviewed the schedule for the Bureau Meeting. It was agreed that Prof. Jortner (along with Dr. Becker) and Dr. Hayes would each meet separately with the individual Division Presidents and the Chairmen of COCI and CHEMRAWN on Thursday, 24 September. The Division Presidents meeting would be on Friday. Prof. Ward's participation in these meetings might be required.

19. PROVISIONAL MEMBERSHIP

Dr. Becker reviewed the proposed process for approving Provisional Members. The Committee approved the nominations presented. All future approvals should be handled by the Secretary General and the Executive Director

20. RATIFICATION OF SPONSORSHIP OF SYMPOSIA

The Committee ratified the sponsorships of Symposia granted since the Bureau Meeting in 1997.

20.1 CHEMRAWN XI & XII

Dr. Jost noted that these had been approved by correspondence. Dr. Hayes reported that CHEMRAWN XI in Montevideo had been successful and will probably break even. The success of the meeting was in large part due to work of Prof. Moyna.

21. IUPAC BODIES

21.1 RATIFICATION OF MEMBERSHIPS APPROVED BY CORRESPONDENCE

The Committee approved the memberships granted by correspondence.

21.2 NOMINATIONS OF NEW MEMBERS

The Committee approved the new members submitted.

21.3 IUBMB-IUPAC JOINT COMMISSION ON BIOCHEMICAL NOMENCLATURE

Dr. Becker noted that the IUBMB had decided not to dissolve its Nomenclature Committee. This meant that the changes to the bylaws contemplated were not necessary. The Committee approved the appointment of Prof. H. B. F. Dixon as Chairman of the JCBN and the appointment of Prof. N. Sharon to the Committee.

22. ICSU MATTERS

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22.1 ICSU REORGANIZATION

Prof. Fischli briefly reviewed the proposed reorganization of ICSU. The major points are the abolition of the General Committee and the creation of new Vice Presidents with defined responsibilities. The name of the organization will be changed to International Council for Science but the logo, ICSU, will be retained.

The Committee authorized Prof. Fischli to vote in favor of the proposed changes.

22.2 WORLD CLIMATE RESEARCH PROGRAM

Dr. Jost was asked to find out if any IUPAC body wished to participate in this program.

23. NOMINATIONS FOR AWARD OF INTERNATIONAL PRIZES

23.1 KING FAISAL PRIZE

Prof. Jortner noted that this prize is one of the most prestigious in science. The Past President was asked to submit a nomination in the name of IUPAC.

24. NAMES AND SYMBOLS OF TRANSFERMIUM ELEMENTS

24.1 ELEMENTS 110-112

Dr. Becker reported that Prof. Corish had asked Prof. Leigh to continue discussions with the laboratories involved. The Committee on Nomenclature of Inorganic Chemistry would consider the issue at its meeting this summer.

Dr. Becker noted that if hahnium is proposed as a name, there may be a problem, since that name has been used for a time for another element.

25. IUPAC PARTICIPATION IN NIST CENTENNIAL

Dr. Becker reported that IUPAC had agreed to present a plaque at the observance of the NIST centennial in 2001 and to help NIST determine the names of NIST (NBS) participants in IUPAC activities. Some mention should be made of the centennial at the 2001 Congress.

26. DATES AND PLACE OF NEXT EXECUTIVE COMMITTEE MEETING

Prof. Ohtaki extended a tentative invitation to meet in Tokyo, Japan, 24-25 April 1999. This invitation will be confirmed later, after it has been ascertained if facilities will be available.

27. ANY OTHER BUSINESS

Dr. Hayes brought the Committee's attention to a letter from Prof. Kuznetsov regarding the closure of the Gmelin Institute. The Committee concluded that it could not make a useful intervention in this issue.

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Dr. Jost noted the invitation from Prof. Niinistö for an IUPAC representative to attend the Federation of European Chemical Societies meeting in Istanbul, 17-19 September 1998. Dr. Hayes agreed to represent the Union at this meeting.