

International Union of Pure and Applied Chemistry

126th MEETING OF EXECUTIVE COMMITTEE

Tokyo, Japan: 24-25 April 1999

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International Union of Pure and Applied Chemistry

126th MEETING OF EXECUTIVE COMMITTEE

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

1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Jortner welcomed the group to Tokyo and expressed his personal appreciation and that of the Committee for the invitation and gracious hospitality of the Chemical Society of Japan. Prof. Jortner also thanked Prof. Ohtaki for his efforts both in bringing the Executive Committee meeting to Tokyo and the excellent arrangements. Prof. Jortner briefly reviewed the accomplishments of the Union in 1998. He noted that IUPAC adopted a Strategic Plan, progress was made in implementing the project driven system; the publication of the Special Issue of *Pure and Applied Chemistry*, *Natural and Anthropogenic Environmental Oestrogens*; the arrangements for a world class IUPAC Congress in Berlin; the first conference on New Directions in Chemistry (Workshop on Advanced Materials – 1, Hong Kong, 1999); and the many other achievements noted in the report to ICSU included in item 28.1.

Prof. Jortner noted that Dr. Hayes and Prof. Ward were unable to attend due to health concerns and wished them both a continued recovery on behalf of the Committee. There were no additions or changes to the Agenda.

2. MINUTES OF 125TH MEETING OF EXECUTIVE COMMITTEE

2.1 AMENDMENTS AND APPROVAL

Dr. Becker noted that in future approval of the Minutes of the Executive Committee would be obtained by correspondence, as was done in the case of the Minutes of the previous Bureau meeting.

The Minutes of the 125th Executive Committee meeting were approved as written.

2.2 MATTERS ARISING FROM MINUTES (NOT COVERED BY ITEMS ON AGENDA)

There were no items arising.

3. MINUTES OF 71ST MEETING OF BUREAU AND MATTERS ARISING

The Committee noted that the Bureau had approved the Minutes of the 71st Bureau by correspondence. There were no matters arising from the Minutes of the Bureau that were not on the Agenda.

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4. AGENDA - 40TH COUNCIL, BERLIN

Dr. Becker noted the major items on the Council Agenda. It was agreed that Items 16-18 should be discussed together since they all relate to "restructuring" and the future of Commissions. Dr. Becker pointed out that the phrasing of Item 21 was a departure from previous practice. Council would be asked to approve the date and location of the General Assembly and Congress for 2003 rather than giving only preliminary approval at Berlin and giving final approval in 2001. This change is necessary because the arrangements for major events such as these require commitments up to four years in advance of the event. Withholding final approval until two years before the event creates a handicap for the organizers in terms of signing contracts for venues and obtaining funds from potential donors.

Prof. Ohtaki raised the issue of changes in individual National Subscriptions after Council had approved the biennial budget. The subsequent discussion took note of the fact that current practice was for the Council to approve the total National Subscription while the calculation of the individual National Subscriptions was done using the so-called 4L formula. The table of individual National Subscriptions circulated prior to the Council meeting is considered to be a preliminary estimate subject to change. Due to changes in data after the Council meeting, the individual National Subscriptions do often change, usually by small amounts. The Committee felt that this was a source of confusion to the National Adhering Organizations and that the table of individual National Subscriptions presented to Council at the General Assembly should be considered final. Any changes necessary in particular cases should not change the other National Subscriptions.

The group noted the nominees received to date for IUPAC Officers and Bureau Members. Prof. Jortner commented on the increased role being played by the elected members of the Bureau in the work of the Bureau. Dr. Becker expressed the hope that in future more candidates with an industrial background would be nominated for election to the Bureau.

5. FINANCE COMMITTEE

5.1 STATEMENT OF ACCOUNTS FOR 1997 AND 1998

In the absence of Prof. Ward, Dr. Przybylowicz reviewed the financial statements for 1997 and 1998. In general, the Union's financial position is good. The Union's reserves are at the targeted levels, due especially to the strong performance of the Union's investment portfolio in 1997 and to savings in the operating costs of the Secretariat and the Union's publications. He commented that the investment climate was not as favorable as it had been and the Union should be prepared to lose some of the unrealized gains shown in the reserves.

Dr. Przybylowicz reviewed the situation that had led to the Union engaging a new auditor, Batchelor, Tillery, and Roberts of Raleigh, North Carolina. The actions of our previous auditor, Neutra Treuhand, caused the audit of our 1997 financial statement to be delayed until November 1998. The audit of the 1998 financial statement was made in February 1999 and the auditors' report is

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expected late in May 1999. Dr. Przybylowicz pointed out that the Southern Hemisphere Fund had been increased by USD 50 000 in 1998 and 1999. The audited accounts for 1997 will be printed in the May issue of *Chemistry International* while the 1998 accounts will be printed in the July issue. The audited accounts for 1997 were approved as presented and the 1998 accounts were approved subject to any changes proposed by the auditors.

5.2 NATIONAL SUBSCRIPTIONS

Dr. Jost reported that Japan and the United States had recently paid their 1998 National Subscriptions. The only National Adhering organizations in arrears for 1998 are Brazil, Pakistan, and Puerto Rico. [Following the EC meeting funds were received from Puerto Rico.]

5.3 REVIEW OF BUDGETS FOR 1999, 2000-1 AND CAPITAL BUDGET FOR 1999

The proposed 1999 budget is essentially unchanged from that originally approved and was approved by the Committee. The draft budget for the 2000-1 biennium includes a 1% annual increase in the National Subscription and an increase of 5% over the biennium in the allocations to Divisions and Standing Committees. Dr. Jost noted that the operating reserve in the draft budget of USD 548 900 should be allocated equally between the years 2000 and 2001, rather than the unequal allocation shown in the draft. Dr. Przybylowicz noted again that the strong reserves of the Union were partly a result of the extraordinary performance of the Union's investment portfolio in 1997-8 and that comparable performance should not be expected in the coming years. The Committee endorsed the proposed budget for 2000-1 as presented for submission to the Bureau and Council.

5.4 ALLOCATIONS TO IUPAC BODIES, 2002-3

Dr. Przybylowicz reviewed two alternative concepts prepared by the Treasurer and the Finance Committee for distribution of the funds usually allocated to cover participation by Titled Members in the General Assembly. The first concept abolishes a separate budget for the General Assembly and distributes the entire amount to individual IUPAC bodies. The alternative concept retains the GA budget but reduces the amount to that needed to fund the bodies that must meet there – the Division Committees, Standing Committees, Bureau, etc. The funds saved from Commissions not meeting at the GA would be used to increase the allocations to Divisions by a fixed amount (USD 10 000 per Division) and retain a Division Reserve, which would be available to fund projects at the Division level after a Division had allocated its budget to projects. Distribution of funds from the Division Reserve would be approved by the Treasurer and Secretary General.

Both alternatives envision a fund to be allocated by the Project Committee of the Bureau. The Standing Committees would receive funds for their projects from this fund after approval by the Project Committee.

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The rationale for continuing separate funding of the General Assembly was discussed. It was felt that in order to promote the cohesiveness of the Union and contacts among the Divisions and Standing Committees, it was important to budget for the participation of these bodies in the General Assembly. By providing a special budget for participation in the General Assembly, a clear indication would be given of the value that IUPAC places on participation.

Support was expressed for the second alternative because it allows funds to be allocated to Divisions based on activity and the merit of the projects developed. The question was raised if this was the time to go to a "zero based budget" for Divisions. The consensus was that the Divisions are not ready to do the long range planning required for the proper implementation of this concept. It was felt that the Division Committees are in a new situation and will require help and time to adjust to their new rôles.

The Committee approved the second alternative and requested the Secretary General to further develop this concept in consultation with the Treasurer and the Division Presidents.

5.5 FINANCE COMMITTEE MEMBERSHIP

Dr. Guy Martens was nominated by Prof. Ward and Dr. Przybylowicz to become a member of the Finance Committee. The nomination was approved.

6. VICE PRESIDENTIAL CRITICAL ASSESSMENT

In the absence of Dr. Hayes, Prof. Jortner reviewed Dr. Hayes' draft Vice President's critical assessment. He noted that the principle of complementarity had been observed. That is, the current VPCA covers those aspects of the Union not covered in the previous VPCA. Prof. Jortner also noted the receipt of a report from Dr. Hayes on his participation in the recent meeting of the International Council of Chemical Associations (ICCA).

The Committee expressed its appreciation for Dr. Hayes' report, which raised significant issues regarding the future role of IUPAC with regard to the global chemical industry as well as IUPAC's leadership role in promoting international cooperation in the chemical sciences.

Subsequent discussion noted the need to expand the contacts already made to cover the trade associations representing the pharmaceutical, agricultural and biotechnology industry. The concerns of these industries should be taken into account in the activities of COCI, CHEMRAWN, and the Committee on the Teaching of Chemistry. Prof. Jortner will convey a summary of the specific points raised in the discussion to the Vice President for his consideration in preparing the final version of the VPCA for submission to the Bureau and Council in Berlin.

7. APPROVAL OF DIVISION PLANS FOR DIVISION COMMITTEES AND NOMINATING COMMITTEES

Dr. Becker briefly described the plans of the Divisions for implementation of the recommendations of the SDIC, as approved by the Bureau, for selection of nominees

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for Division Committees by Nominating Committees that included outside members. Divisions I through V have submitted plans that were summarized for the Executive Committee in the Agenda book. The plans for Divisions VI and VII are not yet complete. Dr. Becker emphasized the need to provide the Divisions the necessary flexibility to adapt the Bureau's recommendations to the situation of each Division. The Committee noted the importance of communication with the membership of the Division by the officers of the Division regarding the plans of the Division for implementation of the recommendations of the Bureau.

Prof. Fischli reported that Prof. Schmid had written to notify the Union that he would be stepping down as Chairman of the Committee on Biotechnology at the end of 1999. He has proposed Prof. Milton Hearn as a suitable replacement. The group discussed the possibility of recommending to the Bureau at Berlin that the programs of the Committee on Biotechnology be incorporated into Division III, with Prof. Hearn becoming a member of the Division Committee. There was also some discussion of a possible name change for Division III to Organic and Biomolecular Chemistry or to Organic Chemistry and Biotechnology. The Division President is reluctant to employ a name that appears to claim "ownership" of a broad area such as biomolecular chemistry but would be happy to incorporate "bioorganic" into the name of the Division. The sense of the Committee was that a name change was not necessary at this time, and the question can be discussed by the Bureau before asking Council for any necessary action.

Dr. Becker noted that there were a number of Subcommittees and Working Parties in the Divisions that will formally continue to exist, even if the Council does not reapprove Commissions after 2001. The Committee agreed that the Secretary General should write to the Division Presidents asking them to consider carefully the necessity for each Subcommittee and Working Party. It was felt that some of these groups could be converted to Task Groups working on a project; if others need to be retained for longer range activities, they could be reestablished with updated terms of reference and with a specific time limit for termination or consideration for further extension.

The need for flexibility regarding the length of the terms of service of Commission TMs and Officers for the next two years was noted by the Committee. Prof. Steyn was asked to discuss the plans of Division VI with Dr. Miyamoto. Prof. Jortner and Prof. Fischli will discuss the situation of Division VII with Prof. Wermuth.

8. STRATEGIC PLAN

8.1 IMPLEMENTATION PLANS

Dr. Becker reviewed the document summarizing implementation of the Strategic Plan by the Divisions and Standing Committees. He noted that this summary was based on separate reports from each Division and Standing Committee, which had been condensed and combined to form a coherent report of the Union's activities in terms of the Strategic Plan. The Committee felt that this report was a valuable part of the planning process and should be part of the material distributed to the Council. Dr. Przybylowicz agreed to undertake the

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editing of the report to produce two versions, one suitable for distribution to the Council and the other for use in publicizing the work of the Union to outside organizations. The suggestion was made that the Strategic Plan should appear in future editions of the Handbook

8.2 UPDATING

The National Adhering Organizations have been requested to provide proposed changes to the Strategic Plan by 15 June. The Division Presidents will also be asked for suggested changes by the same date.

9. RESTRUCTURING

9.1 COMMENTS RECEIVED

The Committee noted with thanks the comments received from organizations and individuals. The comment received from the Slovak National Committee will be included as a proposal under Item 18 of the Council Agenda.

9.2 LETTERS TO NAOS REGARDING RESTRUCTURING

Dr. Becker commented that it would be important to address the concerns of individual NAOs before the Council meeting, since the Council meeting was not a good forum for detailed discussion of a complicated proposal.

Dr. Przybylowicz noted that it was important to emphasize the open nature of the discussions that had led to the proposals approved by the Bureau and to be considered by the Council. Dr. Becker was asked to draft a letter which would summarize the background of the proposed changes and explain the actions that had already been taken by the Bureau and how the actions proposed to the Council fit into the overall proposed new system of managing the Union's scientific work.

9.3 BYLAW CHANGES AND OTHER COUNCIL ACTIONS

Dr. Becker briefly reviewed the proposed bylaw change regarding the entitlement of Titular Members to support for attendance at General Assemblies and the Council resolution not continuing Commissions past 2001.

9.4 RESULTS OF USNC/IUPAC SURVEY

Dr. Przybylowicz briefly described the results of a survey of US members of IUPAC bodies and an open meeting held at the ACS Convention in Anaheim, California. The results of the survey were in general positive. There were a number of concerns expressed by some members regarding the need to ensure continuity in moving to a project based system.

10. NEW PROJECT APPROVAL SYSTEM

Dr. Jost briefly described the steps that had been taken to begin operation of the new project approval system. Project proposals are being received and distributed to

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Division Committees, reviews are being requested and projects have been submitted to the Project Committee. The Committee asked the Treasurer and the Secretary General to continue to approve the expenditure of funds for small projects that have been approved by Division Committees but which the Divisions do not have the resources to fund.

10.1 PROPOSALS FOR ICSU GRANTS

Dr. Jost noted that one project had been submitted to ICSU in the > USD 50 000 category and three in the < USD 50 000 category. It was noted that the quality of the proposals received had improved from last year due to the use of a standard form proposed by the Committee on Project Evaluation Criteria.

Prof. Fischli described the modified plans for the Biodiversity project that were developed at the recent meeting in Amsterdam. Prof. Jortner noted the support of IUPAC for this project and the willingness of the Union to provide seed money in advance of ICSU funding approval.

11. FELLOWS AND AFFILIATE MEMBERSHIP PROGRAMS

Dr. Jost reviewed the status of these two programs. Prof. Jortner noted the positive response he had personally received to the Fellows program. The Committee approved the continuation of the distribution of *Chemistry International* to Fellows indefinitely. The Committee recommended that the Bureau and Council be asked to continue the Affiliate Membership Program indefinitely.

12. IUPAC WEB SITE AND OTHER PUBLICITY ABOUT THE UNION

Dr. Jost demonstrated the IUPAC web site for the Committee and described the changes that had been made in the site over the past year. These included the introduction of improved navigation aids, the mounting of the complete contents of the IUPAC Handbook online, an improved directory of members, and the complete set of current projects of Divisions and Standing Committees.

12.1 IUPAC ANNUAL PROJECT HIGHLIGHTS

Dr. Jost noted the publication on the web of the annual report to ICSU. Prof. Jortner commented that this report was a good summary of the Union's activities and was a valuable tool in communicating the work of the Union both to members and outside organizations.

13. STATUS REPORT ON IUPAC SECRETARIAT

Dr. Jost reviewed the activities of the Secretariat in 1998. The staff is now three, Mrs. Linda Tapp, Administrative Assistant, Dr. Fabienne Meyers, Electronic Publishing Specialist, and Dr. Alan Senzel, Publications Manager, hired in February 1999. Dr. Senzel has assumed responsibility for the management of the Union's print publications, *Pure and Applied Chemistry*, *Chemistry International*, and books. Dr. Meyers, in addition to her responsibility for the IUPAC web site, will also be responsible for the administrative aspects of the new project approval system.

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The major accomplishments of the year include the expansion and improvement of the IUPAC web site and the improvement of the processing of claim forms by switching from Merrill Lynch to the Wachovia Bank for bank transfers and foreign currency checks.

14. PUBLICATIONS

14.1 STATUS REPORT *CHEMISTRY INTERNATIONAL*

Dr. Jost reviewed the change in publication process of *Chemistry International*. This is now edited by a contract copy editor and printed by Cadmus Journal Services. The latter firm also handles mailing and distribution. The new arrangement is working well. *CI* will be back on a normal printing schedule with the July issue. That is, the July issue and subsequent issues will be printed in the month before the date of the issue. The costs have been in line with those projected when the change was proposed, resulting in a small decrease in the cost of producing *CI*.

14.2 STATUS REPORT *PURE AND APPLIED CHEMISTRY*

Publication of *PAC* continues to run behind the issue date. The December issue was printed in April. The January and February issues will be combined into a single issue, due to the length of the special issue, *A review of oil spill countermeasures technologies and response methods*. This will be printed and distributed in June. [It was learned after the EC meeting that, after editing, the material for the special issue would not require a double issue. The issue dates noted here should, therefore, be moved back by one month.] The March issue will be printed and distributed in June and the April issue is planned for printing in June and distribution in July.

14.3 PUBLISHING CONTRACT - RESPONSE TO RFP

Dr. Jost reviewed the response to the requests for Proposal sent to nine publishers. Five proposals were received, including one from Blackwell. Dr. Jost then reviewed his paper on the self-publishing option. The main advantage of this option is the independence and flexibility as compared to using an official publisher. The discussion emphasized the importance of the Union being able to disseminate the information from its work as widely as possible. It was felt that this was of the greatest importance to the future of IUPAC. The financial analysis indicated that this option would also be preferable.

The Executive Committee accepted the policy of self-publishing *PAC* and directed the Executive Director to implement this decision in consultation with the Committee on Printed and Electronic Publications. Books will continue to be published using an official publisher for the IUPAC compendia. The Executive Director was asked to contact the publishers who received the RFP to request proposals covering only book publishing.

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14.4 PAC SPECIAL ISSUE: NATURAL AND ANTHROPOGENIC ENVIRONMENTAL OESTROGENS

The publication of the special issue, *Natural and Anthropogenic Environmental Oestrogens*, was a major event for IUPAC in 1998. Response to the special issue has been good, with a number of individual and group sales being made. Income from these sales has already recovered the Union's cost of having extra copies printed. IUTOX has asked that a number of copies be sent to participants in workshops on environmental oestrogens as well as to members of the International Program on Chemical Safety, a UN sponsored group. The Committee felt that the Committee on Chemistry and Industry should continue to work to publicize the special issue. The Secretariat will make the contents of the special issue available on-line in HTML/PDF format.

14.5 SPECIAL TOPICS EDITOR FOR *PURE AND APPLIED CHEMISTRY*

Dr. Jost noted that Prof. James Bull of the University of Capetown, South Africa, had been appointed as Special Topics Editor of *PAC* at the end of 1998. Prof. Bull has been in contact with the Division Presidents to solicit ideas for future special issues. One idea is now being worked on, "Green Chemistry". Prof. Fischli suggested that Chemistry and Food, with the cooperation of the International Union of Food Sciences, and Genetically Modified Plants as Food Sources, might also be possible topics for special issues.

14.6 FORUM EDITOR FOR *CHEMISTRY INTERNATIONAL*

Prof. Jortner noted that he had, as yet, had no success in finding a suitable candidate for this position. Dr. Jost commented that, in the absence of a Forum Editor, he had arranged for the publication of special articles on chemistry in Poland, the Czech Republic, and South Africa. An article on chemistry in Brazil will be published in the July 1999 issue. He had also arranged for an article on science policy for developing countries by Prof. J. Goldemberg to be reprinted from *Science* magazine.

14.7 SUPPLEMENT TO "HISTORY OF IUPAC"

Dr. Becker briefly reviewed the background on this project and noted that it had been decided to delay publication until after the 1999 General Assembly at the earliest. This would allow inclusion of the significant decisions to be taken at the General Assembly, as well as including the 80th anniversary year of the Union.

15. CONFERENCES ON NEW DIRECTIONS IN CHEMISTRY

Prof. Jortner briefly reviewed the background of this conference series. The first conference, a Workshop on Advanced Materials, WAM-1, organized by Prof. M. El-Sayed, will take place this June in Hong Kong. Organizers for the next two conferences in this series are being sought.

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16. WORLD CONFERENCE ON SCIENCE

Dr. Jost reported that IUPAC had agreed to organize two workshops at this conference. The first on Science, Industry and Knowledge, will be organized by Prof. Fischli, the second, Science and New Materials, will be organized by Prof. J. Corish and Prof. R. G. Gilbert. IUPAC has agreed to pay the expenses of its organizers to attend the Conference.

17. CONFERENCES IN DEVELOPING COUNTRIES

Prof. Ohtaki reviewed his proposal for IUPAC financial sponsorship of scientific conferences in developing countries. The proposed level of support would be USD 10 000 per conference with a maximum of three conferences supported per year. The difficulty of defining a "developing" country was noted. It was suggested that the UN definition might be applicable. An alternative might be to use the proposed funds to pay for scientists in developing countries to attend IUPAC sponsored conferences. Further discussion concluded that more scientists in developing countries would benefit from sponsored conferences in their own countries, or nearby locations, than by sponsoring individuals. The group felt that for a conference to qualify for support, it must meet the normal requirements for receiving IUPAC sponsorship. That is, the quality and international nature of the conference must meet the standards set forth in the AIQ. Prof. Ohtaki was asked to prepare a detailed proposal for presentation to the Bureau. The Secretariat was asked to assist as necessary.

18. CHEMISTRY IN AFRICA

Prof. Steyn noted the success of the 7th International Conference on Chemistry in Africa and the joint IUPAC-AAPAC meeting in Durban. He then described a recent meeting in Pretoria sponsored by the American Association for the Advancement of Science. Other participants were the American Chemical Society, the African Association of Pure and Applied Chemistry and other organizations interested in chemistry in Africa.

19. ASSIGNMENT OF VOTES IN FUTURE COUNCIL MEETINGS

Dr. Becker reviewed the material in the Agenda book. He noted that in the years since the previous adjustment of vote assignments, 1995, there had already occurred a significant degree of compression. Thus, the number of countries with 1 vote has decreased from 5 to 2 while the number of countries with 3 votes has increased from 10 to 14. This is due to using absolute values of National Subscriptions to determine the number of votes assigned, rather than relative values. Dr. Przybylowicz noted that if an inflation factor is used to adjust the voting assignments, a result very similar to that given in Dr. Becker's Table 2 is obtained. The possibility of increasing the maximum number of votes from 6 to 7 was discussed. However, this would require an amendment to Statute 5.1, and it was concluded that this was probably not feasible.

The Committee agreed with the recommendation that future allocations of votes should be based on the percentage each NAO contributes to the total national

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subscriptions, rather than on a fixed dollar basis. Dr. Becker was asked to bring this analysis to the Bureau meeting at Berlin for further discussion; however, this issue will not be brought to Council this year.

20. PROPOSED CATEGORY OF "ASSOCIATED NATIONAL ADHERING ORGANIZATIONS"

The Bureau [Minute 71/17.6] had endorsed a change "Observer Country" to "Associated NAO" and asked the EC to discuss the matter in more detail. The practice of ICSU was briefly discussed. There the category of Observers is reserved for Organizations that are unable to pay their dues, while a "National Scientific Associate" is an Organization that is normally expected to become a regular member within six years.

Prof. Ohtaki suggested that organizations in the Associated NAO category could pay USD 500 and join together to cast one vote per two Organizations. Dr. Przybyłowicz felt that the name change was acceptable but asked if only organizations that could become NAOs should be allowed to become ANAOs. After some discussion, the group felt that making such a judgment would be too difficult. Dr. Jost commented that if ANAOs were to pay a higher fee than the current Observers, there would have to be some additional benefit, such as the right to have members on IUPAC bodies or National Representatives. Dr. Becker was asked to prepare a paper for Council discussing the proposed name change and the question of increased participation by ANAOs compared to Observers.

21. COMPANY ASSOCIATE FEES

Dr. Jost reviewed the material in the paper prepared for the meeting. The issue is one of equity in the way Company Associate fees are used by IUPAC. Prof. Fischli suggested that the issue should be brought to the attention of COCI. Dr. Becker suggested that when the letters regarding Company Associate fees are written, the NAOs be asked how they would like the Company Associate fees from companies in their countries to be used. The Committee asked that COCI be asked to consider the issue and that a letter be written to NAOs before the invoices for Company Associate fees are sent asking how they would like the fees to be used.

22. GUIDELINES REGARDING OUTSIDE FUNDING

Dr. Becker reviewed his paper on the subject. The group felt that it would be too difficult to prepare a set of rules that covered all the possible situations without creating a bureaucratic problem.

23. CHANGE OF UK NATIONAL ADHERING ORGANIZATION

The Committee noted the change in the UK NAO from the Royal Society to the Royal Society of Chemistry. Dr. Hayes was asked to ascertain how the Royal Society was dealing with representation on other scientific Unions. The Council will be asked to accept the proposed change.

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24. FUTURE GENERAL ASSEMBLIES AND CONGRESSES

24.1 40TH GENERAL ASSEMBLY AND 37TH CONGRESS (BERLIN, 1999)

Dr. Jost reviewed the preparations for the General Assembly and Congress. Both meetings are progressing normally with no anticipated problems. The Congress should be a major scientific event for 1999.

24.1.1 Schedule for Berlin General Assembly

The Committee noted the schedule of events involving the Bureau and Council. The meetings of Chemical Society Presidents and Regional Chemical Society Presidents were noted.

24.1.2 Meeting of Presidents of Regional Chemical Societies

Prof. Jortner reviewed the purpose of the meeting and the tentative agenda. It was agreed that the President of the Gesellschaft Deutscher Chemiker should be invited to attend. In future meetings of this group during an IUPAC General Assembly, the President of the host Chemical Society would normally be invited.

24.2 41ST GENERAL ASSEMBLY AND 38TH CONGRESS (2001)

Dr. Jost reviewed the planning for the General Assembly and Congress to be held in Brisbane, Australia. He noted that he would be visiting the site immediately after the EC meeting to discuss detailed plans with the local organizers. A *pro forma* schedule was distributed for Commission and Committee meetings in the proposed concurrent format. The schedule indicates that such an arrangement is feasible.

24.3 42ND GENERAL ASSEMBLY AND 39TH CONGRESS (2003)

The Committee was very favorably impressed by the comprehensive submission from Canada to hold the General Assembly and Congress in Ottawa in 2003. Dr. Jost was asked to visit Ottawa prior to the General Assembly in Berlin to verify logistical and organizational aspects. Provided no unexpected problems arise, the Committee will recommend to Bureau and Council that the proposal of the Canadian organizers be approved. Approval by Council at Berlin would be final, subject only to significant changes in the situation.

25. RATIFICATION OF SPONSORSHIP OF SYMPOSIA

The approvals of Symposia and Conferences for IUPAC sponsorship made since the Bureau meeting were ratified. (See Attachment 1)

26. VISA CLAUSE IN CONFERENCE SPONSORSHIP LETTERS

Dr. Becker discussed his paper on this subject. The issue is one of the enforceability of the clause as it is currently written. There was a discussion of the relation of this

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issue to ICSU policy on the free circulation of scientists. The Committee concluded that ICSU policy on the subject did not require withdrawal of sponsorship if scientists from some countries were unable to obtain visas. The Committee asked the Executive Director to change the wording of the clause to read: "...please note that IUPAC may withdraw sponsorship" Rather than the current "will withdraw sponsorship."

27. IUPAC BODIES

27.1 RATIFICATION OF MEMBERSHIPS APPROVED BY CORRESPONDENCE

The Committee ratified the memberships of IUPAC bodies previously approved by correspondence. (See Attachment 2)

28. ICSU MATTERS

Prof. Fischli noted that he would be attending the meeting of the ICSU Executive Board in May, in Paris, France and the ICSU General Assembly, 28-30 September 1999 in Cairo, Egypt.

28.1 REPORT TO ICSU

Prof. Jortner noted that the report to ICSU contained in the agenda book was a useful summary and could be used in other contexts.

29. IUPAC PRIZE FOR YOUNG SCIENTISTS

The Bureau [Minute 71/26] approved the concept of awarding annual prizes to recent Ph.D.s in chemistry and asked Dr. Becker to prepare a paper for the EC giving a more detailed proposal. He proposed that up to four awards be made per year, each consisting of USD 1 000 and travel expenses to the next IUPAC Congress, and he provided details on application, evaluation and award procedures, as well as schedules for the competition in 2000 and 2001. There was some discussion of the degree to which geographic diversity should be specified. The group felt that a general statement was appropriate since a more specific allocation of awards by region could lead to the devaluation of the awards. The Committee recommended that the Bureau and Council approve this proposal.

30. ENDOWMENT FUND - DISCUSSION OF IDEAS FOR USE

Prof. Jortner was asked to provide the Bureau with a list of possible uses for the endowment fund income. Dr. Jost was asked to summarize the commitments made to date.

31. NAMES AND SYMBOLS OF TRANSFERMIUM ELEMENTS 110-112

Dr. Jost reported that the Working Party had been appointed and was in the process of determining priority of discovery. After the Working Party has completed its task, a new Working Party will be formed to consider the names and symbols of elements 110-112.

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32. REQUEST FROM THE INTERNATIONAL UNION OF THE HISTORY AND PHILOSOPHY OF SCIENCE

Dr. Jost described the request of the IUHPS regarding the preservation of original records of science. The Committee asked that a letter be written to the IUPHS regarding the steps that the Union was taking to preserve its archives.

33. DIDAC

DIDAC is a set of viewgraphs intended to facilitate the teaching of Chemistry at the secondary school level. Dr. Van de Sande has proposed that IUPAC sponsor the translation of these into a number of languages for worldwide use. After discussing the available material, the Committee asked that Prof. Fischli get more information from Dr. Van de Sande.

34. COPYRIGHT ISSUES

Dr. Becker noted that while the specific issue that had arisen had been resolved, there was still a need to ensure that all members of IUPAC bodies, especially those engaged in writing reports or books, be aware of the Union's copyright policy, as described on page 221 of the 1998-9 IUPAC Handbook.

35. DATES AND PLACE OF NEXT EXECUTIVE COMMITTEE MEETING

Dr. Jost reported that Dr. Hayes had arranged for the next Executive Committee meeting to take place in London, UK. The Society of Chemical Industry would be host and had agreed to provide their Board Room for the meeting. A suitable date will be determined before the next Bureau meeting.

36. ANY OTHER BUSINESS

There was no other business.

Prof. Jortner again thanked Prof. Ohtaki for the excellent arrangements. The Committee gave a vote of thanks to the Chemical Society of Japan for hosting this meeting.