

International Union of Pure and Applied Chemistry

80th MEETING OF BUREAU

2 October 2004

Bled, Slovenia

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International Union of Pure and Applied Chemistry

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Bled, Slovenia

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Attendees: Prof. L. K. Sydnes, Chairman, Prof. P. W. Atkins, Prof. C. Bai, Prof. D. StC. Black, Dr. C. F. Buxtorf, Prof. S. Chandrasekaran, Prof. P. Erhardt, Dr. D. A. Evans, Prof. R. G. Gilbert, Prof. B. R. Henry, Prof. M. Isobe, Dr. A. Kallner, Prof. W. Klein, Dr. J. Malin, Dr. A. D. McNaught, Prof. N. J. Moreau, Prof. O. M. Nefedov, Prof. H. K. J. Powell, Dr. E. P. Przybylowicz, Dr. A. Smith, Prof. G. Somsen, Prof. R. F. T. Stepto, Prof. P. S. Steyn, Prof. R. Weir, Prof. A. West

Absent: Dr. K. Racke

Guests: Dr. F. Meyers

Secretary: Dr. J. W. Jost, Executive Director

1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Sydnes welcomed the group to Bled and introduced Prof. S. Kaucic, President of the Slovenian Chemical Society. Prof. Kaucic welcomed the Bureau to Slovenia and wished it a successful meeting. He noted that while Slovenia had a long history, its period as an independent country was only ten years. The visit by the IUPAC Bureau is a significant event for the Slovenian Chemical Society.

Prof. Sydnes thanked Prof. Kaucic and the Slovenian Chemical Society for their kind hospitality and for the selection of the excellent venue for the meeting. He then noted that the schedule for this Bureau gathering had been revised so that the Bureau meeting itself would take only one day instead of the former two. This would require that many items would be taken as read, with discussion focused on those items that involved significant policy issues.

After a brief review of the Agenda, it was decided that there were no changes necessary.

2. MINUTES OF 78TH AND 79TH MEETINGS OF BUREAU

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

There were no matters arising.

3. MINUTES OF 131ST MEETING OF EXECUTIVE COMMITTEE

3.1 RECEIPT OF MINUTES BY BUREAU

3.2 HIGHLIGHTS AND QUESTIONS ABOUT ITEMS NOT ON BUREAU AGENDA

Prof. Sydnes noted that, as described in the Minutes of the Executive Committee, the Union Advisory Committee had started work with three issues sent out for comment. So far, the response has not been what might have been hoped, but there was the expectation that better response will be made as the members become more aware of the nature of their role.

He then noted that the IUPAC Poster Prize program had been successfully initiated with poster prizes awarded at both a national chemical society meeting and at a number of IUPAC sponsored conferences. There was then a discussion

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of the term "Division Sponsored Conference". It was explained that this referred to conferences that were organized by, or in conjunction with, an IUPAC Division or Standing Committee as opposed to those conferences that were sponsored based on an application from a group not connected to any IUPAC body.

There was then a brief discussion of Item 17 of the Executive Committee Minutes regarding the Propagation of Chemistry Task Force. Prof. Sydnes reported that this would be one of the subjects of a special meeting on Sunday afternoon. His intent was to make this and the project on the Value of Chemistry the subject of the World Chemistry Leadership Meeting at the Beijing General Assembly.

There were no matters arising.

4. ACTION ITEMS FROM PREVIOUS MEETINGS

This Item was presented for information only. The members were asked to inform the Executive Director of a change of status in any of the Action Items. Prof. Somsen reported that Action Item 11 had been completed.

5. DIVISIONS – RECEIPT OF WRITTEN REPORTS

The complete written reports of the Division Presidents and the Standing Committee Chairmen are available on the IUPAC web site. The reports were taken as read with each Division President and Standing Committee Chairman reporting briefly on key issues facing the Division or Standing Committee. These minutes will only provide brief summaries of these remarks in this item and the next.

Division I: Prof. Weir noted that the delay in the publication of the "Green Book" was a matter of great concern to him and the members of the Division Committee as well as to Commission I.1. Repeated efforts had been made to encourage Prof. M. Quack, Editor of the third edition, to complete the manuscript, with no success. Prof. Sydnes offered to take the matter up with Prof. Quack personally. Prof. Weir reported that the Advisory Subcommittee set up by the Division was functioning well and providing valuable input to the work of the Division Committee.

Division II: Prof. West noted that it had been an eventful year for the Division, with the resignation of the Division President and the need to reinitiate the work of the Division after a hiatus of some months. He then described the work of the Division in atomic weights and isotope ratios as being very strong, while that in materials was improving, but that in the area of "molecular inorganic chemistry" is not yet to the point of having any activity to report.

Division III: Prof. Isobe reported that members of the Division Committee had met in Sheffield and Nagoya in conjunction with IUPAC sponsored conferences. He noted that the Biotechnology Subcommittee had been reconstituted. He then commented on discussions held at the Division Committee meetings regarding the "bio" related activities of the various Divisions. He raised the issue of whether there should be a formal structure and noted that this had been discussed at the meeting of Division Presidents on the previous Friday. He suggested that a meeting on "bio" related projects could be held at the Beijing General Assembly. Dr. McNaught noted that IUPAC already had a relationship with the International Union of Biochemistry and

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Molecular Biology and that this relationship could be expanded.

Division IV: Prof. Stepto reported that prizes had been awarded at the World Polymer Conference 2004 at Paris using funds from the Samsung fund. IUPAC Poster Prizes had been awarded at the Polymer Networks Conference. He noted that the Division had sponsored the second in a series of planned conferences on the future direction of Polymer Science and Technology. This conference series was intended to give the Division a role in the worldwide development of polymer science. Prof. Atkins commented on the education related activities of the Division and observed that they were in the area of professional development whereas the work of the Committee on Chemistry Education was focused on chemistry education. Prof. Stepto then noted that Wiley VCH, the publisher of *Macromolecular Symposia*, had proposed a revised agreement with IUPAC. The proposed agreement no longer includes a payment to IUPAC in exchange for the right of first refusal for the publication of IUPAC sponsored conferences in polymers. The Executive Director noted that he would respond to this proposal by proposing that, in view of the elimination of the payment to IUPAC, Wiley VCH would no longer have the right of first refusal. In response to the observation that the Division has a high proportion of industrial scientists participating in the work of the Division, Prof. Stepto noted that this was a situation of long standing and was due to the early inclusion of industrial scientists in the Division and the perceived relevance of the Division's activities to industry.

Division V: Prof. Powell noted that the Division Officers had chosen Participation and Collective Responsibility as the themes for the Division. He then briefly described the Division's system for project monitoring using special forms for this purpose. He noted that the Division had initiated a series of articles for *Chemistry International* on specific Division activities. Prof. Sydnes noted the discussion of "fair trade" in the Division report. Prof. Powell observed that the Division had sponsored a special workshop on "Metrology and Trade" at the Division Committee meeting in 2004. One outcome of the workshop was the perception that the Division should cooperate with other international organizations active in this area.

Division VI: In the absence of Dr. Racke, Prof. Klein, the Division Past President, was asked to provide a few comments about the challenges facing the Division. He noted that the Division needed to increase its cooperation with outside organizations. He then commented that the Food Chemistry area required a new emphasis, with a possible expansion into more biological areas.

Division VII: Prof. Erhardt described the structure of the Division's work. He noted that the Division Presidents Meeting had been an opportunity to build interdivision ties. He then reported on an issue of current concern to the Division. A number of groups are attempting to use the concept of "combinatorial platforms" in patent applications. The Division was considering ways of influencing political action on this subject.

Dr. Przybylowicz commented that in his work on the Value of Chemistry he had found a web site called Green Facts that was an attempt by some European chemical companies to use the Internet to influence public perception of environmental issues relating to the chemical industry. This was an example that the Division and IUPAC might use in efforts to influence the political process by presenting science-based information of subjects of political concern. Dr. Smith then noted that nanotechnology was a subject that cut across many scientific disciplines and was an

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example of a subject that would benefit from the presentation of independent information by a group like IUPAC. Dr. McNaught reported that Division VIII had been approached by the Center for Biological and Environmental Nanotechnology at Rice University, Houston regarding the possibility of joint work on nanotechnology terminology. Prof. Atkins observed that CCE had a role to play in preparing digests of technical reports suitable for use by the public. Prof. Gilbert commented that IUPAC needed to make a greater effort to be sure that its web site was better indexed by search engines such as Google. Prof. Henry observed that nanotechnology was an area for broad cooperation with other international organizations. Prof. Moreau then took the opportunity to distribute a document called the Paris Appeal. There was some discussion of this document and it was agreed IUPAC should consider making a response.

Division VIII: Dr. McNaught reported that the open distribution of INChI was imminent, probably in November. Distribution would be via a separate page on the IUPAC web site that contained all the necessary software. He then noted that two major book revisions were in the final stages before publication. The revised *Red Book* is expected to be ready to be sent to the publisher, the Royal Society of Chemistry, at the end of 2004 and the revised *Blue Book* will be ready for public comment by the end of October. A new project of standards for graphical representations of compounds has made a good start. The first report will be on the representation of stereochemistry. Prof. Gilbert asked how the Chemical Abstracts Service has been involved with the INChI project. Dr. McNaught reported that CAS has tested the program but it is not yet clear if they will incorporate it into their products.

6. STANDING COMMITTEES AND OTHER BODIES REPORTING TO COUNCIL AND BUREAU - RECEIPT OF WRITTEN REPORTS

Committee on Chemistry Education: Prof. Atkins reported that he had named a Division Liaison Coordinator to improve cooperation with Divisions and a Conference Coordinator to not only oversee the International Conference on Chemical Education but to try to avoid conflicts among the various international chemical education conferences. A request had been received from the Organization for the Prohibition of Chemical Weapons to organize a conference on education and chemical weapons. The Committee was considering how to respond to this request. He then discussed the interactions with the Divisions and the need for regular communication to ensure that there is no duplication of effort. Prof. Nefedov reported that the Moscow clearinghouse project was now in a position to report some positive results. Prof. Sydnes commented that the request from the OPCW concerned an effort to educate various groups regarding the Chemical Weapons Convention. A visit by himself and Prof. Atkins to The Hague was planned for further discussion. Prof. Atkins reported that there was concern that the UNESCO funding that had formerly been available for CCE projects might no longer be available with the appointment of a new Deputy Director.

CHEMRAWN: Dr. Malin reviewed his written report, using the listed series of CHEMRAWN conferences to illustrate opportunities and challenges that have been encountered. Overcoming initial funding difficulties, a major conference CHEMRAWN XV: Chemistry for Water, was held in June 2004 in Paris. Prof. Henry

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noted that Dr. Malin has agreed to provide a retrospective review of CHEMRAWN conferences and their impact

Committee on Chemistry and Industry: Dr. Evans noted agenda Items 10 and 11 and the planned discussion of the public appreciation of chemistry on Sunday afternoon. The contribution of COCI to the latter project would be made through CCE. He commented that COCI was working on improving its contact with trade associations. Good relations had been established with CEFIC (the European Federation of Chemical Industry Federations) and the Japan Chemical Industry Association but much work remained to be done, especially with some of the more important national trade associations such as the American Chemistry Council and the VCI (the German trade association). He reminded the Division Presidents that they were invited to send a representative to the COCI meeting at the Beijing General Assembly. Prof. Atkins commented that CCE had found it useful to have an officers strategy meeting in addition to the off year meeting of the full Committee.

7. SCIENTIFIC PROJECTS, 2004

7.1 CURRENT PROJECTS

Dr. Jost reviewed the reports in the Agenda Book and reviewed the concepts of Project Commitment and Project Expense budgets. There was a discussion of the lifetime of a project. Some members felt that funding for a project should be terminated on or soon after the date specified in the project proposal as the end date. Task Group Chairs of projects that were still incomplete at this time should be asked to submit a brief justification for continuation of funding. Dr. Jost noted that currently termination is the responsibility of the Division. After further discussion it was concluded that decisions regarding the termination of projects should continue to be the responsibility of Divisions and Standing Committees. It was felt that imposing a bureaucratic termination procedure would only lead to attempts to beat the system by proposing long project terms.

7.2 REPORT FROM PROJECT COMMITTEE

7.2.1 Projects

Prof. Somsen reported that the review procedure had been improved and the process was now working well. He noted that interactions with Division Presidents and Standing Committee Chairmen had improved due to a better understanding of what was wanted from them by the Project Committee.

7.2.2 Conferences

Prof. Somsen noted that the support program had been adjusted and still needs to be worked on. The Committee feels that a better statement is needed to describe what is meant by “developing and economically disadvantaged” countries. One change being considered is to allow support for a conference in a country that has the potential to attract participants from neighboring countries that would qualify as economically disadvantaged, even though the conference would be held in a country that did not qualify. He also noted that the Committee planned to remove the restriction that support should not be provided to “well-

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established “ conference series. Prof. Nefedov commented that the Mendeleev Conference held in Kazan had attracted many participants from neighboring economically disadvantaged countries. There was a brief discussion of various terms, such as “country in transition” that might better describe what was intended. The suggestion was made that the United Nations definitions be used. The latter was felt to be inappropriate by the Committee since it did not address scientific and educational issues but focused only on national economic parameters. The Bureau came to the conclusion that the Project Committee should continue to seek a better expression of what countries qualified for this program, but that the Committee should continue to use its judgment rather than rely on a definition.

7.3 REPORT FROM EVALUATION COMMITTEE

Prof. Gilbert reviewed the results of the meeting of the Committee the previous Friday. He noted that the Committee had concluded that its role was not to review the decision making process of the Divisions but rather to provide an overview of the impact of the work of IUPAC. There was some discussion of the process and the request to the Divisions to suggest selected projects for a more detailed evaluation by the Committee. Prof. Gilbert then reviewed the plans of the Committee for the evaluation of Conference series. The Bureau encouraged the Committee to proceed with its planned evaluations as this was considered an important part of the project system.

8. DIVISION ELECTIONS

8.1 NOMINATION AND ELECTION OF DIVISION COMMITTEES

Prof. Sydnes noted that the schedule for the process was in the Agenda Book. There were no comments on the schedule. Dr. Jost reminded the Bureau that the process described was an innovation that had been implemented for the Ottawa General Assembly and was intended to give the NAOs an opportunity to have greater input into the selection of members of Division Committees beyond the naming of National Representatives.

8.2 REDEFINING THE DIVISION ELECTORATE

Prof. Black reported that the Division Presidents at their meeting on Friday had proposed that each Division be given the option to increase the Division electorate by including members of subcommittees or advisory committees if desired by the Division. After a brief discussion, the Bureau approved this proposal.

8.3 DEFINING THE NUMBER OF NATIONAL REPRESENTATIVES

Dr. Jost noted that the Bureau at Ottawa had approved the increase in National Representatives from six to ten on Division Committees for the biennium 2004-5. Approval was required to continue to have ten National Representatives on Division Committees for 2006-7. The Bureau approved this proposal.

8.4 PROPOSAL TO LIMIT THE NUMBER OF TITULAR AND ASSOCIATE MEMBERS FROM ONE NAO ON DIVISION COMMITTEES

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Prof. Nefedov briefly reviewed the proposal. There was then a general discussion of the implications of this proposal. A number of members noted that this would be an additional constraint on the election process and would be difficult to implement. There was consensus that geographic diversity was important, but that it was best achieved by proper use of the existing system, especially the ability of National Adhering Organizations to nominate not only National Representatives but candidates for Titular and Associate Member. Prof. Nefedov pointed out that this would not be a fixed constraint, but only a requirement to ask permission from the Bureau.

The proposal was put to a vote and the results were: eight for, sixteen against, with four abstentions.

9. REVISED STANDING ORDERS FOR COMMITTEE ON CHEMISTRY EDUCATION

Prof. Black noted that this was being done to bring the Standing Orders for the Committee on Chemistry Education into line with the other Standing Orders. There was a brief discussion and then the revised Standing Orders were approved.

10. RECRUITING COMPANY ASSOCIATES

Dr. Evans noted that the recruitment of Company Associates was the responsibility of the National Adhering Organizations. However, many NAOs did not have active programs and the Committee on Chemistry and Industry had concluded that it would be important for the NAOs to take a proactive role in recruitment of Company Associates with the full cooperation of COCI. . The key points of the proposal were:

- Executive to consider appointing a single source of accountability at the center - should not be NAO or COCI-based.
- Executive to consider forming a task team to establish future modus operandi and prepare implementation plan.

There was a brief discussion, during which it was noted that the situation in each country was different and recruitment efforts would have to be formulated with this in mind. The proposal was then approved.

11. PROJECT BUDGET FOR COCI

Dr. Evans noted that the Committee felt that the current procedure made it difficult to plan properly and having a project budget allocated to the Committee would enable it to move more quickly to take advantage of new opportunities. The Bureau, after some discussion, approved this request in principle. The amount to be allocated would be approved by the Executive Committee as part of the budget proposal for 2006-7 and future years.

12. NEW NAME FOR MACROMOLECULAR DIVISION

Prof. Stepto reported that the Division had discussed the possibility of a name change for a number of years, with various names being considered. At the recent meeting during the World Polymer Congress in Paris, it had been agreed to propose the name: "Polymer Division." It was felt that this name best described the work of the Division and also agreed with current practice in the community. After brief discussion, the

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proposed change was approved, with immediate effect.

13. ADDITIONAL ITEMS FROM MEETING OF DIVISION PRESIDENTS

Prof. Stepto noted that most of the items from the meeting of the Division Presidents had already been discussed. He commented that this was the first meeting at which the Chairmen of the Operating Standing Committees had been asked to participate. It was felt that this had been useful and should be continued in future meetings of the Division Presidents.

He reported that the Division Presidents had discussed the guideline set by the Treasurer that no more than 25 % of the total Division budget should be spent on operational expenses. It was felt that this was too restrictive and that an increase was necessary. There was some discussion of this point and the Treasurer said that he would change the guideline to “up to 30 %” as proposed by the Division Presidents.

Prof. Stepto then reported that the Division Presidents had agreed that the budget of Division IV should be increased by USD 5 000. The budget of the Division was smaller than that of the other Divisions for historical reasons that were no longer applicable. The Treasurer agreed to sympathetically consider this change in the budget for the next biennium.

14. VICE PRESIDENTIAL CRITICAL ASSESSMENT

Prof. Henry reported that he had visited a number of Division Committee meetings and had had meetings with Division Presidents in some cases where it had not been possible to attend Division Committee meetings. He planned to attend the next meeting of the Committee on Chemistry and Industry and to speak with the Chairmen of the Interdivisional Committee on Terminology, Nomenclature and Standards and the Committee on Printed and Electronic Publications as well. He also plans to visit the Secretariat to improve his understanding of its operations. He noted that in addition to providing information directly related to the subject of his Vice Presidential Critical Assessment, the functioning of the Project System, the visits to Division Committees had been beneficial in improving communications with the Divisions. Prof. Henry plans to have a draft of his report available for comment by November or December 2004.

15. STRATEGIC PLAN

15.1 STRATEGIC PLAN, 2002-3 AND ITS IMPLEMENTATION

Prof. Sydnes commented that he did not see any need to consider revision to the Strategic Plan at this time. The Bureau agreed with this assessment.

15.2 GOVERNANCE STRUCTURE COMMITTEE PROPOSALS

Prof. Black noted that the Governance Structure Committee had made two major recommendations. One of these, the creation of the Union Advisory Committee, had been approved by Council at Ottawa and had now been implemented. The second, the replacement of the Bureau and Executive Committee by a new body, the Executive Board, had not been approved. The sense of the discussion at the Council was that the delegates had not had sufficient time to consider this proposal and that it should be further

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investigated and then brought to Council again if the Executive Committee and Bureau still felt that it should be implemented.

Prof. Black then reported that the proposal to create the Executive Board had been sent to the members of the Union Advisory Committee for comment. Eight responses had been received and would be consolidated and distributed to the Executive Committee. Dr. Jost noted that the process to be followed, if a recommendation was to be made, was for the Executive Committee to approve a proposal for distribution to the National Adhering Organizations; this would then be placed on the Agenda for the Council meeting at Beijing; the Bureau would then have the opportunity to discuss the proposal at Beijing and make a recommendation to Council. If Council approved the proposal, a Committee would need to be appointed to draft the necessary changes to the Bylaws and Statutes for consideration at the next Council meeting in 2007.

Prof. Atkins suggested that it would be useful to have a proposal circulated to the Bureau for comment before it is considered by the Executive Committee.

16. STABILITY CONSTANTS DATABASE

Prof. Powell reviewed the history of the Stability Constants Database and its value to the community of chemists. The issue of its future arose because the current commercial partners, Academic Software, had informed the Division that they would only be able to support the database for another 3 years due to the impending retirement of the principals in the company. Prof. Powell requested that the Bureau authorize Division V to investigate possible partners and begin negotiations for an agreement to take over development and maintenance of the Database in cooperation with Division V. He also asked that the Project Committee be authorized to consider a proposal from the Division for a project to carry out this work.

After some discussion of this request the Bureau authorized the Division to proceed with the study and negotiations. The Bureau also approved the request to authorize the Project Committee to consider a project proposal to fund this work. Prof. Powell was asked to conduct negotiations with possible partners in consultation with the Officers.

17. REPORT OF TREASURER AND FINANCE COMMITTEE

17.1 ACCOUNTS, BUDGETS, AND ALLOCATIONS

Dr. Buxtorf commented that the financial situation of the Union was currently healthy but that care must be taken in undertaking new expenditures as the future income of the Union was threatened both by the continuing decline in the income from the Union's journal as well as the continuing difficulties of some National Adhering Organizations in paying their National Subscriptions.

17.2 NAOS AND ANAOS IN DEFAULT

Dr. Jost reported that three National Adhering Organizations, those of Argentina, Brazil, and Chile, had been sanctioned for being in arrears for more than a year with their National Subscriptions. He noted that he had recently learned that a partial payment had been made by the Chilean NAO through ICSU.

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17.3 LONG TERM ACCOUNTS

Dr. Przybylowicz commented that the investments of the Union were doing well due mainly to the overall improvement of the global financial markets as well as the decision made a few years ago to move to a higher proportion of fixed income versus equity investments. He also noted that the introduction of a Euro investment account had been beneficial due to the continuing strength of the Euro versus the US dollar.

17.3.1 Performance of Long Term Account

This was taken as read.

17.3.2 Investment Policy Statement Review

There was no discussion of this Item.

17.3.3 Funds and Fund Policy Statement

There was no discussion of this Item.

18. GENERAL ASSEMBLIES AND CONGRESSES

18.1 42ND GENERAL ASSEMBLY AND 39TH CONGRESS (OTTAWA, 2003) FINAL REPORT

Dr. Jost noted this report was for information only. There was no discussion of this item.

18.2 43RD GENERAL ASSEMBLY AND 40TH CONGRESS (BEIJING, 2005)

18.2.1 Arrangements

Dr. Jost briefly reviewed the arrangements for the General Assembly at Beijing. He noted that the arrangements were proceeding as planned and that the invitations to NAOs and others would be sent out in early November.

18.2.2 Scientific Program

Dr. Jost noted that IUPAC had had a much greater influence on the program of the Beijing Congress than on previous Congresses with a number of IUPAC Division and Standing Committee members acting as session co-chairmen and speakers. The Second Circular of the Congress will be distributed along with the November-December issue of *Chemistry International*. Prof. Bai then briefly reviewed the program of the Congress. Prof. Sydnes suggested that Prof. Steyn be the contact point between the Congress Program Committee and IUPAC for the Scientific Program of the Congress.

18.2.3 Support for Young Scientists from Developing Countries

Dr. Jost reported that the Young Scientist program was in place and that information regarding the program would be in the Second Circular.

18.3 44TH GENERAL ASSEMBLY AND 41ST CONGRESS (TORINO, 2007)

Dr. Jost noted that the report for this item was for information only. There was no further discussion.

18.4 45TH GENERAL ASSEMBLY AND 42ND CONGRESS – 2009

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Dr. Jost reported that the invitations to bid on this General Assembly and Congress would be distributed to the National Adhering Organizations later in October.

19. WORLD CHEMISTRY LEADERSHIP MEETING: BEIJING, 19 AUGUST 2005

Prof. Sydnes suggested that this be taken as read. He noted that there would be a meeting on Sunday of interested members of the Bureau to discuss the program of the WCLM.

20. PUBLICATIONS

20.1 STATUS REPORT ON PUBLICATIONS (*PAC & CI*)

Dr. Jost reminded the Bureau that the financial information provided for *Pure and Applied Chemistry* and *Chemistry International* was intended to compare the self-publishing operation to that using an official publisher. He then pointed out the excellent work that had been done by Dr. Meyers in improving both the appearance and content of *Chemistry International*. The Bureau concurred in this assessment and congratulated Dr. Meyers on her outstanding work. The Division Presidents and Standing Committee Chairmen were again urged to use *Chemistry International* as a means of publicizing the work of their Divisions and Standing Committees.

20.2 BOOKS

This Item was taken as read.

21. TRANSFERMIUM ELEMENTS

21.1 REPORT FROM TRANSFERMIUM WORKING PARTY

Prof. West reported that the Joint IUPAC-IUPAP working party had concluded that there were no new reports of the synthesis of new elements that justified undertaking a review of claims.

21.2 APPROVAL OF NAME FOR ELEMENT OF ATOMIC NUMBER 111

Prof. West reported that there had been no comments received on the Provisional Recommendation that would necessitate any significant changes. The Bureau was asked to approve the name, roentgenium and symbol, Rg, as proposed in the Provisional Recommendation, subject to no adverse comments being received by the end of the Public Comment period, 31 October 2004. Dr. Jost noted that the Council had delegated this authority to the Bureau at Ottawa. The name and symbol for the element of number 111 was approved with no further discussion.

22. FELLOWS AND AFFILIATE MEMBERSHIP PROGRAMS

This Item was taken as read.

23. STATUS REPORT ON IUPAC SECRETARIAT

This Item was taken as read.

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24. IUPAC WEB SITE AND OTHER PUBLICITY ABOUT THE UNION

This Item was taken as read. Dr. Meyers noted that the Committee on Printed and Electronic Publications had initiated a review of the IUPAC web site with a view to considering long-term issues regarding upgrading the technology used on the site and the capabilities available.

25. IUPAC PRIZE FOR YOUNG SCIENTISTS

This Item was taken as read. Prof. Steyn commented that the topics of the prizewinners were all on the cutting edge of chemistry.

26. BENEFITS OF IUPAC MEMBERSHIP (NAO vs. ANAO)

Prof. Henry noted that hosting IUPAC sponsored conferences is a significant benefit that is currently available to both National Adhering Organizations and Associate National Adhering Organizations. He then suggested that IUPAC had been too generous in extending this benefit to ANAOs and proposed that sponsorship by IUPAC should be restricted to conferences held in NAO countries. After some discussion the Bureau approved this proposal.

Dr. Jost noted that this created a problem for the program of financial support of conferences in developing countries, many of which were not NAOs. Prof. Somsen discussed the potential difficulties in resolving the issues of sponsorship and financial support if sponsorship were restricted to conferences held in NAOs. Prof. Sydnes proposed that the Project Committee be asked to suggest a resolution of this problem

27. RELATIONS WITH INTERNATIONAL BODIES

27.1 UNESCO

Prof. Sydnes reported that he had met with UNESCO officials in Paris and planned to meet with them again to promote continued cooperation.

27.2 ICSU

Prof. Black noted that Prof. Steyn was the designated contact with ICSU. Prof. Henry has been asked to take responsibility for coordinating IUPAC responses to ICSU proposals.

27.3 APPLICATION OF THE INTERNATIONAL COMMISSION FOR ACOUSTICS TO JOIN ICSU AS A MEMBER UNION

Prof. Black briefly reviewed the background of this Item. The Bureau approved the application. Prof. Steyn will cast the Union's vote in favor of this application at the ICSU General Assembly in 2005.

28. SPONSORSHIP OF SYMPOSIA

28.1 SPONSORSHIP GUIDELINES

This Item was preempted by the action taken in Item 26.

28.2 RATIFICATION OF SPONSORSHIP OF SYMPOSIA

The Bureau ratified the sponsorships granted, as listed. The suggestion was

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made that IUPAC should seek to have a representative on the Program Committee of sponsored conferences.

29. RATIFICATION OF APPOINTMENTS TO IUPAC BODIES

The Bureau approved the appointment of Prof. Elena Dominguez, Department of Analytical Chemistry, Faculty of Pharmacy, University of Alcala, Spain as National Representative for Division V.

Prof. Atkins requested that Prof. Morton Z. Hoffman, Department of Chemistry, Boston University, USA, be appointed as National Representative to the Committee on Chemistry Education.

The Bureau approved this appointment.

The Bureau ratified the following appointments:

Prof. A. R. West: President Division II

Prof. Kazayuki Tatsumi: Vice President, Division II

Mr. Xianghong Cao: NR, COCI

Dr. Hideyuki Ishida: NR, COCI

Dr. Bernard West: NR, COCI

30. DATES AND PLACE OF NEXT BUREAU MEETING

Dr. Jost noted that the next Bureau meeting would in Beijing, 17-18 August 2005

31. ANY OTHER BUSINESS

Prof. Sydnes noted that the response rate from the Union Advisory Committee to the three items sent for comment had been very low. Prof. Powell noted that the UAC had not received any feedback on what had been submitted.

Prof. Sydnes then reported on the Young European Chemists meeting at Turin earlier this year. The meeting has attracted over 200 young (<35 years old) chemists. He had the opportunity to not only describe IUPAC to the participants, but to engage in conversation with many individual participants, almost all of whom were unaware of the work of IUPAC.

Dr. Jost noted that the question of outside funding for IUPAC projects had been discussed both at the Division Presidents meeting and at the Bureau. He felt that it would be useful to summarize what had been said. Outside funding is governed, in general, by the Fund Policy Statement developed by the Finance Committee.

Administratively outside funding is handled in two ways. Funding for a particular project is paid to IUPAC and made available to the project as part of the approved budget for the project. Payments are made by the Secretariat as authorized by the Task Group Chairman. Funding that is intended to be used as an endowment is paid to IUPAC and the income, as determined by the Finance Committee, based on the interest earned by the Union's fixed income investments, is made available to the IUPAC body designated by the donor.

Prof. Sydnes thanked the members for their hard work during the meeting. He noted that this was the first Bureau meeting to complete its work in one day. He then thanked the Slovenian Chemical Society for the excellent facilities and local arrangements.