

43rd IUPAC COUNCIL MEETING
Beijing, China 20-21 August 2005
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1. Introductory Remarks and Finalization of Agenda.

President Sydnes welcomed the delegates of the National Adhering Organizations to the 43rd IUPAC Council meeting. He then asked the delegates to stand and observe a moment of silence for IUPAC colleagues deceased since the Ottawa General Assembly. President Sydnes thanked the organizers of the General Assembly for their kind hospitality and the provision of excellent facilities. The President drew the attention of the Delegates to the Guidelines for Discussion provided in their Agenda materials.

2. Approval of Minutes of 42nd Council Meeting and Matters Arising.

The President asked if there were any corrections, comments, or matters arising from the Minutes of the 42nd Council that were not on the agenda. The UK delegate asked that the paragraph on page 22 of the minutes be rephrased to include the words to the effect that "However, it was the sense of the meeting that the candidates should be asked to express their views." There was some discussion of this proposed change and while it was agreed that the minute as written was correct, the revision better expressed the overall sense of the discussion. The President moved that the minutes be approved as revised. The motion was approved unanimously.

3. Ratification of Decisions Taken by Bureau and Executive Committee since 42nd General Assembly.

President Sydnes moved that the decision taken by the Bureau and Executive Committee since the 42nd General Assembly be ratified. The motion was approved unanimously.

4. Announcement of Nominations for Union Officers and Bureau Members.

Secretary General Black announced the candidates for Vice President and Bureau as the following: for Vice President: Prof. S. Chandrasekaran (India), Prof. K. Matsumoto (Japan), Prof. N. Moreau (France); for Elected Members of the Bureau: Prof. C. Bai (China), Prof. D. Berek (Slovakia), Prof. S. Chandrasekaran (India), Prof. P. De Bièvre (Belgium), Prof. A. Mahmood (Bangladesh), Prof. K. Matsumoto (Japan), Prof. S. Penczek (Poland), Dr. E. Reichmanis (USA), Prof. I. Schopov (Bulgaria), Dr. A. Smith (UK), Prof. M. van Dam-Mieras (The Netherlands). Prof. Black reminded the delegates that there were six openings for Elected Members of the Bureau. He also noted that if Prof. Moreau were elected Vice President, there would be seven openings, while if either Prof. Chandrasekaran or Prof. Matsumoto were elected Vice President, there would be one fewer candidate for the Bureau.

5. Announcement of Time of Elections.

Secretary General Black announced that the elections would be held at 10 AM on Sunday, irrespective of the then current business being discussed.

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6. Statutory Report of President on State of the Union.

President Sydnes reported that the overall State of the Union was good. His complete report and a copy of his presentation at Council are available on the IUPAC web site at:
http://www.iupac.org/news/archives/2005/43rd_council/Item_06.pdf

The Polish delegate asked the President to comment on IUPAC's position on open access. The President asked the Executive Director, Dr. Jost, to describe IUPAC's position. The Executive Director noted that all IUPAC reports and recommendations published in *Pure and Applied Chemistry* are freely available from the IUPAC web site. In addition, all issues of *PAC* for the years preceding the most recent complete volume, are freely available online.

There was then a brief discussion of the part of the President's report that dealt with improving communication with the NAOs. There was a consensus that this continued to be a problem and could not be solved only by actions on the part of IUPAC.

The Korean delegation suggested that IUPAC might be the appropriate organization to lead an international campaign to increase the public appreciation of chemistry. It was noted that the Committee on Chemistry Education in cooperation with the Committee on Chemistry and Industry had issued a report on a possible niche for IUPAC in this subject of great interest to members of the chemistry community in many parts of the world. Now that the analysis has been done, action plans are being formulated.

There followed a general discussion of the IUPAC Prize and the role of the NAOs in publicizing it in their national chemical communities. Various obstacles to applicants were noted, such as theses written in languages other than English. It was observed that there was no requirement to submit the actual thesis, only a 1000 word essay describing the work done and its significance. The suggestion was made that the number of prizes should be proportional to the number of applications. The issue of a lack of communication in those cases when the NAO is not a national chemical society can be significant, but the President urged the delegates to take it as a personal responsibility to help publicize the IUPAC prize in their national chemical communities.

The Korean delegate noted the great success of the physics community in promoting 2005 as the year of physics. This was done by capitalizing on the existing iconic status of Albert Einstein. The President noted that this was a concept that was occasionally discussed, but that he had not seen any viable proposals. Unfortunately, chemistry does not have anyone with similar international recognition.

The Korean delegate then asked about the relationship, if any, between IUPAC and the Chemistry Olympiad. The President replied that there was no formal relationship, but informal contacts existed. The Korean delegate then noted that the next Chemistry Olympiad would be held in Korea and invited the IUPAC President at that time to participate in the award ceremony.

7. Report of Secretary General.

Secretary General Black gave a concise overview of the work of the Secretariat and also gave a brief introduction to the project system for those delegates who were unfamiliar with its operation. His complete report is available on the IUPAC web site at:
http://www.iupac.org/news/archives/2005/43rd_council/Item_07.pdf.

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The delegate from Slovakia commented that his experience with the lay press had led him to the conclusion that if chemists wished to see coverage of chemistry, they would have to generate stories that emphasized disaster avoided, and that raised the question: "What would happen without chemistry?"

8. Adoption of Recommendations on Nomenclature and Symbols.

The delegates unanimously approved the motion to adopt the Recommendations on Nomenclature and Symbols published by the various bodies of the Union since the last General Assembly. The list of approved Recommendations can be found on the IUPAC web site at: http://www.iupac.org/news/archives/2005/43rd_council/Item_08.pdf.

9. Reports of Division Presidents.

The complete reports of the Division Presidents are available on the IUPAC web site at: http://www.iupac.org/symposia/conferences/ga05/council_agenda.html.

The delegate from Russia commented that the Subcommittee on Photochemistry seemed to have a very narrow subject. The President of Division III replied that this Subcommittee was very active.

The delegate from Australia commended Division V for its excellent project monitoring system. The delegate from Belgium noted the importance of evaluated data as one of the significant activities of Division V and of IUPAC in general.

The President of Division VII reported that agreement had been reached with G. Richter and Co, to establish an IUPAC-Richter Prize in Medicinal Chemistry. This prize would be awarded every two years at an IUPAC sponsored conference on medicinal chemistry and would be for USD 10 000. Richter had agreed to fund the prize for ten years for a total of USD 50 000. The efforts of the Hungarian NAO to create this prize were gratefully acknowledged.

The President described the upcoming conference on "Frontiers of chemical sciences: research and education in Middle Eastern countries" to be held in Malta November 2005. This is the second conference of this kind, and it is supported by various organizations and institutions, including IUPAC, the American Chemical Society, the Gesellschaft Deutscher Chemiker, and the Royal Society of Chemistry."

10. Reports of Standing Committee Chairmen.

The complete reports of each Standing Committee Chairman are available on the IUPAC web site at: http://www.iupac.org/symposia/conferences/ga05/council_agenda.html. Please note that the Chairmen of the Project and Evaluation Committees, and of ICTNS were not required to present an oral report.

- 10.1. Committee on Printed and Electronic Publications.
- 10.2. CHEMRAWN Committee.
- 10.3. Committee on Chemistry and Industry.
- 10.4. Committee on Chemistry Education.

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- 10.5. Project Committee (written report only).
- 10.6. Evaluation Committee (written report only).
- 10.7. Interdivisional Committee on Terminology, Nomenclature and Symbols (written report only).

11. Report of the Vice-President: Critical Assessment of IUPAC.

The complete report by Vice President Henry is available on the IUPAC web site at: http://www.iupac.org/news/archives/2005/vpca_henry.html. These minutes will not attempt to summarize the report, but only the subsequent discussion.

The comment was made that the need for face-to-face meetings to improve progress on projects implied the need to increase the funding for individual projects to allow more meetings. The Vice President suggested that this could be accomplished most inexpensively by arranging project meetings at scientific conferences already being attended by most of the members of a Task Group. He noted that this was in fact already being done in many instances.

There was then a general discussion of how to improve involvement by chemical industry in the work of IUPAC. The Delegate from Japan ascribed the success of the Japanese NAO in recruiting Company Associates to the fact that the NAO has influence with the chemical industry in Japan and that the representative from Japan on COCI was an influential member of the industry. He noted that Japan holds an annual meeting of Company Associates to keep them informed of the work of IUPAC and that they make extensive use of the informational material provided by IUPAC. The French Delegate noted that in order to improve the awareness of IUPAC among the French chemical companies, a meeting of R&D directors of ten companies had recently been held in Paris. A general lack of awareness of what IUPAC does was apparent. The meeting focused on participation rather than on money. The attendees were asked to consider submitting projects to IUPAC.

12. Proposal to Replace Executive Committee and Bureau with an Executive Board.

President Sydnes introduced the subject by reviewing the background material provided to the delegates before the meeting. A copy of the material provided to the delegates before the meeting, can be found on the IUPAC web site at: http://www.iupac.org/news/archives/2005/43rd_council/Item_12.pdf. The President also indicated that the Bureau did not recommend acceptance of the motion. The subsequent discussion was extensive and covered many aspects of the proposal and can therefore only be summarized here.

Prof. Erhardt spoke in the name of the other Division Presidents to declare that they were unanimously opposed to this motion. They felt that as the Division Presidents represented those who did the technical work of the Union they should not be disenfranchised.

Dr. Kallner showed an organogram of the Union's governance. He pointed out that it had a number of areas of duplicated or uncertain responsibility and these led to delays in decision-making. He believed that the changes that would result from approval of this motion would remove these duplications and uncertainties and result in more efficient and effective governance of the Union. A number of delegates spoke in support of the position that had

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been expressed by the Division Presidents. There were a number of suggestions made to modify the motion to defer the composition of the Executive Board for further discussion, including a motion to replace "an" before "Executive Board" by the phrase "a fully representative" in the motion. After some discussion, the proposed amendment was ruled out of order, as the composition of the Executive Board was not part of the motion. The delegate from Denmark noted that since the details of the proposal for an Executive Board and the reasons for the proposed composition had been described in the papers presented at Ottawa and at this meeting, that this was not the occasion to revisit the work of the Governance Strategy Committee. After some further discussion the motion was put to a vote with the following result: Yes: 15; No: 69; Abstain: 40.

The Vice President announced the intention to create an ad hoc committee to revise the Bylaws and a second ad hoc committee to examine ways to improve the operational efficiency of IUPAC governance.

13. Financial Reports

13.1. Biennial Report of Treasurer

The Treasurer reported that the overall financial situation of the Union continued to be strong. He noted that while some National Adhering Organizations continue to have difficulty in paying their National Subscriptions, the change to billing in national currency approved by Council at Ottawa seems to have had the desired beneficial effect for many of the NAOs. The Treasurer also noted that while income from the Union's publications, almost entirely from institutional subscriptions to the Union's journal, *Pure and Applied Chemistry*, was expected to remain unchanged for the next biennium, this was due to regular increases in the subscription rate to offset declining numbers of subscribers. He warned that the Union faced a time in the near future when it would no longer be possible to fund all worthy projects. The complete report of the Treasurer can be found on the IUPAC web site at:

http://www.iupac.org/news/archives/2005/43rd_council/Item_13.pdf. There was no discussion on this item.

13.2. Report of Finance Committee.

The Treasurer noted that the Chairman of the Finance Committee, Dr. Przybylowicz, was unable to attend the Council meeting and sent his regrets. The Treasurer then noted that the Union's portfolio had continued to perform well over the past biennium, this performance being in part due to a timely shift to fixed income securities for a greater part of the portfolio and a shift of some assets to Euro denominated securities. A motion was moved, seconded, and unanimously approved to give a vote of thanks to the Finance Committee, and especially to its retiring Chairman, for their excellent management of the Union's portfolio. There was no further discussion of this item.

13.3. Accounts for 2003-2004.

This item was presented for information only. The complete report of the Auditors can be found on the IUPAC web site at:

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http://www.iupac.org/news/archives/2005/43rd_council/Item_13.pdf. There was no discussion on this item.

13.4. Appointment of Auditors for 2005 and 2006.

Council unanimously approved a motion to appoint Batchelor, Tillery & Roberts, LLP, of Raleigh, North Carolina, USA as IUPAC Auditors for 2005 and 2006.

14. Budget Proposal

14.1. Proposed Budget for 2006-7.

The Treasurer noted that the budget for the coming biennium was very similar to the budget for the current biennium. The increase in total National Subscriptions being proposed was 1 %. This is less than the OECD inflation rate and is possible only because of the Union's strong financial position and the increasing contribution to current income by the Union's portfolio. The motion to approve the budget, including a 1 % increase in total National Subscriptions was approved unanimously. The complete budget proposal can be found on the IUPAC web site at: http://www.iupac.org/news/archives/2005/43rd_council/Item_14_rev.pdf.

14.2. National Subscriptions for 2006-7.

The Treasurer noted that the individual National Subscriptions shown in the table provided for information before the meeting were based on calculation using the method approved by the Council and did not require separate approval.

15. National Adhering Organizations in Arrears.

Council unanimously approved, with one abstention, the suspension of NAO status for those NAOs that have not paid their 2003 and earlier National Subscriptions by 31 December 2005 until such time as the 2003 and earlier National Subscriptions are paid. This action currently applies to the National Adhering Organizations for Argentina, Egypt, and Chile.

16. Applications for National Adhering Organization Status

Council unanimously approved motions to grant National Adhering Organization status for the following organizations:

- The Caribbean Academy of Sciences – Jamaica Chapter;
- The Jordanian Chemical Society;
- The National Academy of Sciences of Ukraine;
- The National Academy of Sciences of Belarus.

17. Proposals Formally Received from National Adhering Organizations

There were no proposals received from National Adhering Organizations.

18. Organizational Changes in Existing IUPAC Bodies, Proposals for New and Reconstituted Bodies/Terms of Reference

18.1. New Division Rules

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Council unanimously approved new Division Rules for Divisions I, II, III, and VIII. The Division Rules can be found on IUPAC web site at:
http://www.iupac.org/symposia/conferences/ga05/council_agenda.html.

18.2. Standing Order and Membership of Editorial Advisory Board of PAC

Council unanimously approved the Standing Order and Membership of the Editorial Advisory Board of *Pure and Applied Chemistry*. The Standing Order and members of the Editorial Advisory Board can be found on IUPAC web site at: http://www.iupac.org/news/archives/2005/43rd_council/Item_18-2_PAC_EAB.pdf.

19. Election of Union Officers and Bureau Members and Approval of Elected Officers of Divisions

Elections for Vice President were held at 10:00 on 21 August 2005. The results were as follows (total valid votes cast: 128):

Prof. S. Chandrasekaran (India)	8
Prof. K. Matsumoto (Japan)	78
Prof. N. Moreau (France)	42

Prof. Matsumoto received more than 65 votes and will therefore be IUPAC Vice President and President elect for 2006-7.

Elections for the Bureau were held after the elections for Vice President. The results of the election for Members of the Bureau for the term 2006-9 by Council 21 August 2005 were as follows (total valid votes cast: 128):

Prof. C. Bai (China)	109
Prof. D. Berek (Slovakia)	44
Prof. P. De Bièvre (Belgium)	71
Prof. S. Chandrasekaran (India)	98
Prof. A. Mahmood (Bangladesh)	37
Prof. S. Penczek (Poland)	74
Dr. E. Reichmanis (USA)	105
Prof. I. Schopov (Bulgaria)	14
Dr. A. Smith (UK)	95
Prof. M. van Dam-Mieras (The Netherlands)	103

There were seven candidates with the required majority of 65 votes; the six candidates with the highest vote totals were therefore elected as Members of the Bureau for 2006-9:

Prof. C. Bai, Prof. S. Chandrasekaran, Prof. S. Penczek, Dr. E. Reichmanis, Dr. A. Smith, Prof. M. van Dam-Mieras.

Biographical information on the candidates for Vice President and Members of the Bureau can be found on the IUPAC web site at:
http://www.iupac.org/news/archives/2005/43rd_council/index.html.

20. Plans for 44th General Assembly and 41st Congress (Torino, 2007)

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Prof. Della Gatta described the plans for the General Assembly and Congress to be held in Torino in 2007 (General Assembly: 4-12 August 2007; Congress: 5-11 August 2007). His presentation can be found on the IUPAC web site at:
<<http://www.iupac.org/symposia/congress07.html>>.

21. Approval of Dates and Sites of 45th General Assembly and 42nd Congress (2009)

The Royal Society of Chemistry presented a proposal to host the General Assembly and Congress in Glasgow, Scotland (General Assembly: 1-9 August 2009; Congress: 2-7 August 2009). The invitation from the Royal Society of Chemistry can be found on the RSC web site at: <http://www.rsc.org/ConferencesAndEvents/RSCConferences/IUPAC2009/>.

Council unanimously approved the proposal for the dates and location of the General Assembly and Congress for 2009 as proposed by the Royal Society of Chemistry.

22. Official Language of IUPAC (Statute 5.405)

Council unanimously approved a motion that the official language of IUPAC should continue to be English.

23. Reauthorization of Commissions.

Council unanimously approved the continuation of Commission I.1: Commission on Physicochemical Symbols, Terminology, and Units and Commission II.1: Commission on Isotopic Abundance and Atomic Weights.

24. Important Matters Referred to Council by Bureau at 43rd General Assembly not Covered by Items on Council Agenda

The Vice President reported that the Bureau at its meeting on 17-18 August had approved two motions regarding Associate National Adhering Organizations. The first motion would limit the time an organization could continue as an Associate National Adhering Organization to four years, beginning 1 January 2006. The second motion would increase the amount of the membership fee for Associate National Adhering Organizations from USD 50 to USD 250, effective 1 January 2006.

Council unanimously approved both motions.

25. Any Other Business (discussion only)

The President introduced one of the Young Observers to the General Assembly, Dr. Andrea Jackson of the UK. Dr. Jackson thanked IUPAC on behalf of herself and the other Young Observers for the opportunity to participate in the General Assembly and to see IUPAC at work. She reported that she and the other Young Observers were impressed not only with the great variety of the work being done but the openness of the Committees to new proposals, even from people such as herself who were new to the work of the Committees.

26. Closing Remarks, Adjournment

The President thanked the delegates for their work and participation during the meeting. He reminded them that part of their role as delegates was to communicate what had been done at

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the General Assembly to their National Adhering Organizations and national chemical communities. He noted that while his term of office continued until the end of the year, this would be his last Council meeting as President and he wished to take the occasion to thank all of the officers for their support and assistance during his term as President, to thank John Jost and the staff at RTP for their helpful and efficient operational management of IUPAC, and to wish the incoming President success during his term.

The Vice President then expressed the thanks of all of the delegates to the President for his exemplary leadership in the past biennium.

The meeting was then adjourned.