

46th IUPAC COUNCIL MEETING
San Juan, Puerto Rico 3-4 August 2011
Minutes

1. Introductory Remarks and Finalization of Agenda

IUPAC President Prof. Nicole Moreau welcomed the delegates to the 46th IUPAC Council meeting. She thanked the Colegio de Químicos de Puerto Rico for their hospitality and the excellent arrangements for both the General Assembly and the Congress.

Prof. Moreau asked for a moment of silence for IUPAC Colleagues deceased since Council last met at Glasgow.

Prof. Moreau introduced Prof. Bryan Henry who offered greetings from the International Council for Science (ICSU).

There were no additions or changes proposed to the Agenda. The Agenda was approved unanimously.

2. Approval of Minutes of 45th Council Meeting and Matters Arising

Prof. Moreau asked if there were any corrections or matters arising not covered elsewhere in the Agenda. No corrections or other matters were proposed. The motion below was made and seconded and was approved unanimously by a show of hands.

Motion: *Minutes of the 45th Council Meeting in Glasgow, UK, are approved.*

3. Ratification of Decisions Taken by Bureau and Executive Committee since 45th General Assembly

All decisions taken by the Bureau and Executive Committee, since those approved by the Council at Glasgow (Minute 3, 45th Meeting), are contained in the following Minutes, which were distributed to National Adhering Organizations on the dates shown:

88 th Bureau (Glasgow, UK, 6 August 2009)	23 October 2009
89 th Bureau (Sofia, Bulgaria, 17-18 April 2010)	02 September 2010
90 th Bureau (Warsaw, Poland, 9-10 April 2011)	20 July 2011
140 th Executive Committee (Glasgow, UK, 6 August 2009)	23 October 2009
141 st Executive Committee (Concepción, Chile, 3-4 October 2009)	28 December 2009
142 nd Executive Committee (Sofia, Bulgaria, 18 April 2010)	09 September 2010
143 rd Executive Committee (Taipei, Taiwan, 2-3 October 2010)	19 January 2011
144 th Executive Committee (Warsaw, Poland, 10 April 2011)	20 July 2011

The motion below was made and seconded and was approved unanimously by a show of hands.

Motion: *Council ratifies all decisions taken by the Bureau and Executive Committee, since those approved by the Council at Glasgow (Minute 3, 45th Meeting).*

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4. Announcement of Nominations for Union Officers and Bureau Members

Prof. David Black noted that biographies of the nominees were available on the IUPAC website and in printed form in the Agenda Book for the Council meeting. He informed the delegates that the voting order would be Vice President, Treasurer, Secretary General and then Elected Members of the Bureau. He then reviewed the situation for each office. He indicated that four Bureau members would be elected to complete the full roster of ten members. The nominations received are given below.

Nominations Received

Vice President

Dr. Mark Cesa (United States)

Prof. Natalia Tarasova (Russia)

Treasurer

Prof. John Corish (Ireland)

Secretary General

Prof. René Deplanque (Germany)

Prof. Anders Kallner (Sweden)

Elected Members of the Bureau

Prof. Christopher M. A. Brett (Portugal)

Prof. Russell J. Boyd (Canada)

Prof. Tavarekere K. Chandrashekar (India)

Prof. Francesco de Angelis (Italy)

Dr. Javier García-Martínez (Spain)

Prof. George Horvai (Hungary)

Prof. Venčeslav Kaučič (Slovenia)

Prof. Wolfram Koch (Germany)

Prof. Ram S. Lamba (Puerto Rico)

Prof. Natalia Tarasova (Russia)

5. Announcement of Time of Elections

Prof. Black announced that the elections for Vice President, Treasurer, Secretary General and Elected Members of the Bureau would be held at 09:30 hours on 4 August 2011. He then announced that the proposed Tellers for the Union election were Prof. James McQuillan, Dr. Aleš Fajgelj and Dr. Fabienne Meyers.

The motion below was made and seconded and was approved unanimously by a show of hands.

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Motion: *Council approves the appointment of Prof. James McQuillan, Dr. Aleš Fajgelj, and Dr. Fabienne Meyers as Tellers.*

6. Statutory Report of President on State of the Union

Prof. Moreau delivered a summary of her Report on the State of the Union. The entire written report is available in the Council Agenda Book.

7. Update – International Year of Chemistry 2011

Prof. Moreau summarized the progress achieved for activities related to the International Year of Chemistry (IYC 2011). In particular, she emphasized the cornerstone events of the year: Opening Ceremony in Paris, France; General Assembly/World Chemistry Congress in San Juan, Puerto Rico, and Closing Ceremony in Brussels, Belgium. Reference was also made to the World Chemistry Leadership Meeting in San Juan and the Global Water Experiment.

8. Vice President's Critical Assessment

Prof. Kazuyuki Tatsumi delivered a summary of his Vice President's Critical Assessment. The entire written report is available in the Council Agenda Book.

9. Report of Secretary General

Prof. Black delivered a summary of his Report of the Secretary General. The written report is available in the Council Agenda Book.

Prof. Kenneth Ruud of Norway commented that he was concerned about the work load of the Secretariat, especially in light of anticipated growth in activities due to the International Year of Chemistry. Prof. Black responded that the Officers of the Union would like to expand the Secretariat staff, but this would have to be achieved within the context of the currently proposed budget for the next biennium.

Prof. Peter Kündig of Switzerland thanked outgoing Secretary General Prof. Black for his eight years of service in this position. The Council members responded with a spontaneous round of applause.

10. Applications for National Adhering Organization (NAO) and Associate National Adhering Organization (ANAO) Status

Prof. Black reported that three organizations had applied for NAO status. These are listed below. In addition, the Indonesian Chemical Society had applied for Associate National Adhering Organization (ANAO) status. All four organizations had been granted Provisional Membership by the Executive Committee. Having paid all required National Subscription fees under the terms of Provisional Membership, Council approved their membership applications and all four organizations were eligible to vote during the Council meeting.

10.1. Pancyprian Union of Chemists (Cyprus)

10.2. Tanzania Chemical Society (Tanzania)

10.3. Chemical Society of Nigeria (Nigeria)

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The following motion was approved by the required simple majority vote.

Motion 1: *Council approves the applications of the Pancyprian Union of Chemists, the Tanzania Chemical Society, and the Chemical Society of Nigeria to become IUPAC National Adhering Organizations. This approval is subject to payment of the 2010 National Subscription by Cyprus and Tanzania and the 2011 National Subscription by Nigeria.*

10.4. Indonesian Chemical Society (Indonesia)

The following motion was approved unanimously.

Motion 2: *Council approves the application of the Indonesian Chemical Society to become an Associate National Adhering Organization of IUPAC. This approval is subject to payment of the 2010 ANAO membership fee by the applicant organization.*

Two current NAOs, Republic of Korea and Brazil, petitioned Council to approve changes of their official representative organizations to IUPAC. The following motions were made and approved unanimously by Council.

10.5. The Republic of Korea has requested that its NAO Representative to IUPAC be changed from the Korean Federation of Science and Technology Societies (KOFST) to the Korean Chemical Society (KCS).

Motion 3: *Council approves the request from the Republic of Korea to change its NAO Representative to IUPAC from the Korean Federation of Science and Technology Societies (KOFST) to the Korean Chemical Society (KCS).*

10.6. Brazil has requested that its NAO Representative to IUPAC be changed from the Brazilian Chemistry Committee for IUPAC (CBAQ) to the Brazilian Chemical Society (SBQ).

Motion 4: *Council approves the request from Brazil to changes its NAO Representative to IUPAC from the Brazilian Chemistry Committee for IUPAC (CBAQ) to the Brazilian Chemical Society (SBQ).*

11. Adoption of Recommendations on Nomenclature and Symbols

Prof. Black referred the Delegates to the list of published Recommendations and Technical Reports in the Agenda Book. The motion below was approved unanimously.

Motion: *Council approves the recommendations approved by the Interdivisional Committee on Terminology, Nomenclature and Symbols and published, or scheduled to be published, in Pure and Applied Chemistry from August 2009 through July 2011.*

11.1. Validation and Naming of New Elements

Prof. John Corish summarized the most recent efforts regarding the validation and naming of new elements with atomic numbers 112, 114 and 116. Documentation was provided in the Council Agenda Book. Since work of the Joint Working Party for elements 114 and 116 was not completed at the time of the Council meeting in San Juan and since the Council would not meet again until 2013, Prof. Corish petitioned Council to authorize the Bureau to approve the names of the new elements after the public comment period and final recommendation of IUPAC's Division II. Unanimous approval was granted to the Bureau by Council.

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12. Reports of Division Presidents

The reports of the Division Presidents were accepted as read and periods were allocated for questions and comments. Full reports are available in the Council Agenda Book.

13. Reports of Standing Committee Chairs

The reports of the Standing Committee Chairs were accepted as read and periods were allocated for questions and comments. Full reports are available in the Council Agenda Book.

14. Financial Reports

14.1. Biennial Report of Treasurer

The Treasurer Prof. Corish noted in his report that there were two significant factors that influenced the finances of the Union during the current biennium. These were the continuing worldwide recession from which very few could hope to be immune and the additional expenditures necessary to support the IUPAC program for the IYC 2011. He presented an interim report on financial aspects including fundraising for the IYC and stated that, in addition to the events organized directly to celebrate the year, the full spread of our normal activities has been maintained. Although it was still too early to know the final financial outcome of the IYC, he predicted that the Union will emerge from 2011 in a healthy financial state. He also noted that the Union will certainly need to diversify and increase its income streams if it is to continue to grow and expand its current range of services to and involvement with the worldwide community of chemists and so take advantage of the increased activity generated by the IYC.

14.2. Report of Finance Committee

Prof. Corish noted in his report that the two meetings of the Finance Committee held since the last General Assembly in Glasgow had, in addition to normal business, been concerned with careful reviews of the Union's investment portfolio. In particular, contact on this issue was maintained during the past year between the Secretariat and the Chairman of the Finance Committee. Independent assessment indicated that our portfolio, because of the diversity and prudent nature of its holdings, had performed as well as could be expected in the prevailing fiscal climate with some less well-performing elements recently showing recovery. At its meeting in 2010, the Finance Committee approved a proposal to use an average of the currency exchange rate data for four calendar quarters for the calculation of National Subscriptions in national currencies for the 2012-2013 biennium and onward, thereby seeking to even out anomalously low or high exchange rate changes resulting from rapid market fluctuations.

14.3. Accounts for 2009-2010

Prof. Corish noted that the Agenda Book contained the audited financial statements for 2009 and 2010. The operations of the Union for the biennium were within budget

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Other than the decrease in the value of the investment portfolio, the statements show no areas of concern.

14.4. Appointment of Auditors for 2011 and 2012

Prof. Corish reported that the Bureau had recommended to Council the appointment of Batchelor, Tillery and Roberts, LLP, of Raleigh, North Carolina USA as IUPAC Auditors for 2011 and 2012. The motion below was unanimously approved by Council.

Motion: *Council approves the appointment of Batchelor, Tillery and Roberts, LLP, of Raleigh, North Carolina USA as IUPAC Auditors for 2011 and 2012.*

14.5. Interim Financial Report for International Year of Chemistry 2011

Prof. Corish reported that the Executive Committee had agreed to provide up to USD 500,000 to support the International Year of Chemistry, but with the objective that as much as was possible of this total, preferably all of it, should be recovered from outside sponsorship. It was not possible at the time of this interim report to know the overall financial outcome. However, indications were that, given the level of sponsorship that had been attained, particularly for the cornerstone events, the IYC would remain comfortably within the level of expenditures set by the Executive Committee. The experience of obtaining external funding and of working with outside sponsors will have been important for future growth of the Union.

15. Budget Proposal

15.1. Proposed Budget for 2012-2013

The proposed budget was in line with all recent budgets and has been formulated following input from the Finance Committee and the Bureau. It has also been designed to take account of the trends noted in the financial position of the Union in the early part of this current year and, in particular, to allow the work of the Divisions and Standing Committees to be maintained in the face of those changes. The estimates for both the expenditures and income sides have been made as realistic as is possible at this time and are based on the best information available to us. The allocations made to general administrative work and to the Strategic Opportunities Fund reflected a likely diminution in activities after the IYC.

15.2. National Subscriptions for 2012-2013

The Agenda Book included a table showing the calculated 2012-2013 National Subscriptions. At the 2010 meeting of the Finance Committee it was proposed and approved that an average of four quarters of currency exchange rate data be used for the calculation of National Subscriptions in national currencies. The effect of this longer-term average will be to even out anomalously high or low exchange rates during periods of rapid market fluctuation. National Subscriptions for 2012 and 2013 were calculated using this new procedure for determining time-averaged currency exchange rates.

Prof. Corish clearly noted that the calculation of these subscriptions followed an agreed algorithm that has complex dependencies on changes in the values of national

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production of chemicals relative to total worldwide production and fluctuations in currency exchange rates. The only variable that is under control of Council is the Total National Subscription. The individual National Subscriptions are influenced much more by changes in chemical turnover and exchange rates than by the Total National Subscription.

Council was asked to approve the proposed budget, and the National Subscriptions that arise from its implementation, for the 2012-2013 biennium. The motion below was voted on by cards with all voting in favor, save one abstention.

Motion: *Council approves the proposed budget for 2012-2013 and the National Subscriptions implied by the proposed Budget.*

16. National Adhering Organizations in Arrears

Prof. Black reported that Cuba is in arrears for payment of the National Subscription. The Secretariat recommended that negotiations continue with the NAO to try to find an equitable solution.

17. Applications for Associated Organization Status

Prof. Black reported that the European Chemistry Thematic Network Association (ECTN) and the Federation of Asian Polymer Societies (FAPS) both had applied for Associated Organization Status and that Provisional Status had been granted by the Executive Committee. Council voted on the motion below. Voting was by show of hands with all voting in favor to accept both organizations as AOs.

17.1. European Chemistry Thematic Network Association (ECTN)

17.2. Federation of Asian Polymer Societies (FAPS)

Motion: *Council approves the applications of the European Chemistry Thematic Network Association (ECTN) and the Federation of Asian Polymer Societies (FAPS) for Associated Organization status.*

18. Proposals Formally Received from National Adhering Organizations

Prof. Black reported that no formal proposals had been received from National Adhering Organizations.

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

Prof. Black reported the following proposed organizational changes in existing IUPAC Bodies and discussed the reasoning behind them.

19.1. New Division Rules

Two-Year Terms for Division Members

The Executive Committee agreed in April 2010 that Titular members of Divisions be elected for two-year terms, with the possibility of re-election for an additional two years. NAOs have been notified of this decision by the document that is included in

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the Agenda Book. By show of hands Council voted on the motion below and approved it unanimously.

Motion 1: *Council ratifies the decision taken by the Executive Committee that Titular Members of Divisions be elected for two-year terms, with the possibility of re-election for an additional two years.*

19.2. Election of Standing Committee Members

By agreement with Chairs of the operational Standing Committees (CHEMRAWN, COCI and CCE), members of these Standing Committees will be elected rather than appointed by the Standing Committee Chairs, subject to approval by the President of the Union. This is currently a trial process, but subsequently a formal change of Bylaws might be needed.

19.3. Addition of National Representatives to CHEMRAWN

At the 89th Bureau meeting held in Sofia, Bulgaria, in April of 2010, the following question was debated: *Should the Standing Orders of the CHEMRAWN Committee be amended to permit the addition of National Representatives from NAOs?* A formal motion was brought to the floor and the ensuing vote unanimously supported the proposed change. Council was asked to affirm the Bureau decision on this matter by voting on the following motion. By show of hands Council approved the motion unanimously.

Motion 2: *Council approves the decision taken by the Bureau and the change of the first Standing Order to read "There shall be a standing CHEMRAWN Committee composed of a Chair, a Secretary, six Titular Members, up to six Associate Members, and up to ten National Representatives. In addition, the Treasurer shall be an 'ex officio' Member, but without voting power."*

20. Plans for 47th General Assembly and 44th Congress (Istanbul, 2013)

Dr. Mustafa Sözbilir and Dr. Tolga Mısırlı provided a detailed update on preparations for the next IUPAC General Assembly and World Chemistry Congress to be held in Istanbul, Turkey in August of 2013.

21. Notification of Intent to Accept Proposals to Host 49th General Assembly and 46th Congress (2017) and 50th General Assembly and 47th Congress (2019).

Prof. Black stated that the Secretariat would issue a call for Expression of Intent to Host a General Assembly and World Chemistry Congress before the next Executive Committee meeting in October 2011. Formal proposals from NAOs will be due before the next Bureau meeting in April 2012. Final decisions to accept proposals for 2017 and 2019 will be taken at the 47th General Assembly and 44th Congress (Istanbul, 2013) by the vote of Council.

22. Reauthorization of Commissions

Prof. Black noted that Bylaw 4.302 requires that Council reapprove all existing Commissions at each General Assembly. Council then voted on the motion below. The motion was unanimously approved by a show of hands.

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Motion: *Council reauthorizes the Commission on Physicochemical Symbols, Terminology and Units, the Commission on Isotopic Abundances and Atomic Weights, and the IUBMB-IUPAC Joint Commission on Biochemical Nomenclature (JCBN).*

23. Important Matters Referred to Council by Bureau Not Covered by Items on Council Agenda

No important matters were referred to Council by the Bureau that were not already covered by items on the Council Agenda.

24. Any Other Business

Mr. Colin Humphris discussed the activities of the World Chemistry Leadership Meeting (WCLM) that took place during the General Assembly on 2 August 2011. A summary report of the objectives, activities and results of this meeting was presented for the information of Council and the meeting Agenda was included in the Council Agenda Book.

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

The elections for Vice President, Treasurer, Secretary General and Elected Bureau Members were held as announced earlier, at 09:30 hours on 4 August 2009. The results of the elections for Union Officers were as follows:

In the election for Vice President, Dr. Mark Cesa received 103 votes while Prof. Natalia Tarasova received 50 votes. Voting was carried out by ballot cards and there were no abstentions. Dr. Cesa will serve as Vice President during 2012 and 2013.

In the election for Treasurer, Prof. John Corish ran unopposed. Voting was carried out by ballot cards and there were no abstentions. Prof. Corish received 153 votes and will serve a second term as Treasurer for four years beginning in 2012.

In the election for Secretary General, Prof. René Deplanque received 81 votes and Prof. Anders Kallner received 74 votes. Voting was carried out by ballot cards and there were no abstentions. Prof. Deplanque will serve as Secretary General for four years beginning in 2012.

In the election for Bureau Members, Prof. Ram Lamba and Prof. Natalia Tarasova were both re-elected for additional four-year terms on the first ballot by cards. Also in the first round of balloting, Dr. Javier García-Martínez was elected to his first term. Five additional rounds of balloting were required before the fourth and final member of the Bureau was elected. Prof. Christopher Brett was the successful candidate elected to his first term. Prof. Brett and Dr. García-Martínez will each serve four-year terms.

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Prof. Black announced the newly elected officers of the eight Divisions and asked Council to approve their appointments. All the Division officers were approved without dissent and their names are listed below. The names of officers continuing their current terms of office are also included for completeness.

Physical and Biophysical Chemistry Division (I)

President: K. Yamanouchi (Japan)
Vice President: R. Marquardt (France)
Secretary: A. K. Wilson (United States)

Inorganic Chemistry Division (II)

President: R. D. Loss (Australia, continues)
Vice President: J. Reedijk (Netherlands)
Secretary: M. Leskelä (Finland)

Organic and Biomolecular Chemistry Division (III)

President: K. N. Ganesh (India)
Vice President: M. J. Garson (Australia)
Secretary: A. Griesbeck (Germany)

Polymer Division (IV)

President: M. Buback (Germany)
Vice President: G. T. Russell (New Zealand)
Secretary: M. Hess (Germany)

Analytical Chemistry Division (V)

President: M. F. Camões (Portugal)
Vice President: D. B. Hibbert (Australia)
Secretary: Z. Mester (Canada)

Chemistry and the Environment Division (VI)

President: L. McConnell (United States)
Vice President: N/A
Secretary: W. J. G. M. Peijnenburg (Netherlands, continues)

Chemistry and Human Health Division (VII)

President: F. Pontet (France)
Vice President: N/A
Secretary: M. Schwenk (Germany, continues)

Chemical Nomenclature and Structure Representation Division (VIII)

President: R. M. Hartshorn (New Zealand, continues)
Vice President: K-H. Hellwich (Germany)
Secretary: T. Damhus (Denmark, continues)

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26. Closing Remarks, Adjournment

Prof. Moreau thanked the delegates for their active participation and cooperation in making the Council meeting a success. Once again she congratulated the Colegio de Químicos de Puerto Rico for being the first Latin American/Caribbean country to host a General Assembly and World Chemistry Congress. This was especially significant during the International Year of Chemistry. She wished the delegates a safe return journey and urged them to communicate what they had learned to their communities when they arrived home.

Prof. Moreau adjourned the Council meeting.