

44th IUPAC COUNCIL MEETING

11-12 August 2007, Torino, Italy

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1. Introductory Remarks and Finalization of Agenda

Prof. Henry welcomed the delegates to the 44th meeting of the IUPAC Council. He thanked Prof. Giuseppe Della Gatta and Prof. Claudio Minero for the Congress and General Assembly arrangements.

Prof. Henry asked for a moment of silence for IUPAC Colleagues deceased since Council met at Beijing.

The attendance of Prof. Alberto Núñez, President of the Cuban Chemical Society and FLAQ (Federación Latinoamericana de Asociaciones Químicas) was recognized. The Cuban Chemical Society is applying for NAO status and FLAQ is applying for Associated Organization status.

Prof Henry noted the letter in the Agenda Book describing the necessary actions for the Council. He then noted the Guidelines for Discussion and the voting procedures in the Agenda Book.

Prof. Henry introduced Prof. Francis Gudyanga, member of the ICSU Executive Board, who brought greetings from ICSU and gave a brief overview of the ICSU Strategic Plan.

2. Approval of Minutes of 43rd Council Meeting and Matters Arising

Prof. Henry asked if there are any corrections or matters arising not covered elsewhere in the Agenda. The motion below was moved and seconded and was approved unanimously by a show of hands (eligible delegates) as is appropriate for a non-scientific matter provided there is no controversy.

Motion: *Minutes of 43rd Council Meeting are approved.*

3. Ratification of Decisions Taken by Bureau and Executive Committee since 43rd General Assembly

All decisions taken by the Bureau and Executive Committee, since those approved by the Council at Beijing (Minute 3, 43rd Meeting), are contained in the following Minutes, which were distributed to National Adhering Organizations as shown:

81st Bureau	7 December 2005
82nd Bureau	7 December 2005
83rd Bureau	2 January 2007
133rd Executive Committee	21 June 2006
134th Executive Committee	5 May 2007

The motion below was moved and seconded and was approved unanimously by a show of hands (eligible delegates) as is appropriate for a non-scientific matter provided there is no controversy.

Motion: *Council ratifies decisions taken by Bureau and Executive Committee since the 43rd General Assembly.*

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4. Announcement of Nominations for Union Officers and Bureau Members

Prof. Black noted that biographies of the nominees are available online and in printed form at the meeting. He informed the delegates that the voting order would be President, Secretary General, Vice President, Treasurer, and Elected Bureau Members. He then reviewed the situation for each office. He reported that the Bureau had set the number of Elected Members at ten, the same as for the current biennium. The nominations received are given below.

Nominations Received

President

Prof. Jung-II Jin (Korea)

Dr. Anders Kallner (Sweden)

Prof. Nicole J. Moreau (France)

Vice President

Prof. Jung-II Jin (Korea)

Prof. Nicole J. Moreau (France)

Secretary General

Prof. David StC. Black (Australia)

Treasurer

Prof. John Corish (Ireland)

Dr. David Schutt (USA)

Elected Members of the Bureau (Four minimum)

Prof. Dusan Berek (Slovakia)

Prof. Giuseppe Della Gatta (Italy)

Prof. Vladyslav Goncharuk (Ukraine)

Prof. Minoru Isobe (Japan)

Dr. Anders Kallner (Sweden)

Prof. Venceslav Kaucic (Slovenia)

Prof. Werner Klein (Germany)

Prof. Ram S. Lamba (Puerto Rico)

Prof. Natalia Tarasova (Russia)

5. Announcement of Time of Elections

Prof. Black announced that the elections for President, Vice President, Secretary General, Treasurer and Elected Members of the Bureau would be held at 9:30 on 12 August 2007. He then announced that the proposed tellers were Dr. Meyers, Dr. Racke and Dr. Fedotov.

The motion below was moved and seconded and was approved unanimously by a show of hands (eligible delegates) as is appropriate for a non-scientific matter provided there is no controversy.

Motion: Council approves the appointment of Dr. Meyers, Dr. Racke and Dr. Fedotov as tellers.

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

Prof. Henry gave a brief overview of his written report. The report is available on the IUPAC web site at < http://www.iupac.org/symposia/conferences/ga07/council_agenda.html>.

7. Report of the Secretary General

Prof. Black gave a brief overview of his written report. The report is available on the IUPAC web site at < http://www.iupac.org/symposia/conferences/ga07/council_agenda.html>. A delegate from Poland asked that IUPAC arrange as often as possible to have a representative speak at meetings of national chemical societies. The delegate from Jamaica asked what IUPAC is doing to popularize IUPAC in developing countries. Prof. Black responded that the support provided to selected conferences in scientifically emerging countries was intended, in part, to address this goal.

8. Report of the Committee on Streamlining IUPAC Operations

The Committee's report reviews the functions and current operations of the Union's governing bodies, Council, Bureau, and Executive Committee. The report then suggests improvements in communications and operations, especially of the various meetings of these bodies. This detailed Agenda is the result of one of the suggestions of the report. One recommendation in the report, that the Chairmen of the three operating Standing Committees (CCE, CHEMRAWN, and COCI) who are now ex officio members of the Bureau without voting rights be made voting members of the Bureau, will require a change in the Bylaws and cannot be addressed until 2009. Another action taken as a result of the report's recommendations is the change in the schedule of the meetings of the Bureau and Executive Committee. Starting in 2009, the Bureau will only meet briefly at the General Assembly after the Council meeting. In addition, the order of these meetings during the year will be changed, so that the Executive Committee will meet in the fourth quarter and the Bureau in the second quarter. This change will be made in 2007, with a meeting of the Executive Committee in November. This meeting will include both current and incoming members of the Executive Committee. The Bureau will meet in March 2008. This change means that the Executive Committee and Bureau will meet earlier in the biennium and will be able to begin their work more quickly. The meeting of the Bureau in the second quarter of 2009 will allow the Bureau to have a greater influence on the Council agenda. The Committee also recommended that the Executive Committee have a short meeting at the end of each Bureau meeting.

A delegate from the United Kingdom asked why the change in the bylaws recommended by the Committee could not be done more rapidly. Prof. Henry responded that the statutory requirement for ten months notice of proposed changes to Statutes and eight months notice of proposed changes in Bylaws before the Council meeting had made it difficult to take action before the 2009 Glasgow Council meeting.

9. Report of the Committee on Revision of Statutes and Bylaws

The Committee has made an initial survey of the Statutes and Bylaws and located out of date or no longer relevant sections. It is planned to have the proposed changes available for review by the National Adhering Organizations in late 2008. The delegate from Slovenia asked if the Committee was considering reducing the time required for notice of changes to

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the Statutes and Bylaws in view of the better communications now available than at the time the current time limits were set. There was some discussion of this issue, with the point made that for many National Adhering Organizations significant notice was still needed in order to allow consideration of proposed changes by the appropriate national committees. Prof. Black commented that based on the discussion the Committee would consider if a change could be made.

10. Adoption of Recommendations on Nomenclature and Symbols

Prof. Black noted that Recommendations shown as "to be published at a future date" have been approved by ICTNS.

The motion below was moved and seconded and was approved unanimously by a show of hands (eligible delegates) as is appropriate for a scientific matter provided there is no controversy.

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 July 2005 through October 2007.*

11. Reports of Division Presidents

Physical and Biophysical Chemistry Division. Prof. Brett noted that the Royal Society of Chemistry had published the third edition of the Green Book, Quantities, Units and Symbols in Physical Chemistry in July. This was a significant event for the Division and has been eagerly anticipated. He reported that the Division planned to produce a student edition of the book and a four-page summary of symbols and quantities.

Inorganic Chemistry Division. Prof. West noted the changes proposed by the Commission on Isotopic Abundances and Atomic Weights in the atomic weights of certain elements as well as in the isotope ratio of one element. These recommendations would be discussed in Item 24 of the Agenda. He also noted the progress that had been made in determining priority for the discovery of the element of atomic number 112. A motion to delegate to the Bureau approval of a name for this element would be discussed in Item 24 of the Agenda. Prof. West reported that the Division would be making a recommendation to the Executive Committee and Bureau regarding the appropriate organizational structure to increase IUPAC's profile in Materials Chemistry.

Organic and Biomolecular Chemistry Division. Prof. Isobe reported that the Division had published a series of books on Green Chemistry. He also noted the continued success of the Thieme- IUPAC Prize awarded during ICOS (International Conference on Organic Synthesis).

Polymer Division. Prof. Jin noted that the Division had created a new Subcommittee on Molecular Characterization. He also reported that a final agreement was being negotiated with DSM to create an IUPAC-DSM Prize to be awarded during the World Polymer Conference.

Analytical Chemistry Division. Prof. Lobinski reported that five projects had been approved at the meeting of the Division Committee during the general Assembly to update chapters in the *Orange Book*, the *Compendium of Analytical Nomenclature*. This book is available on

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the IUPAC web site and the updates will be incorporated in the online edition. He also noted that the Stability Constants Database would in the future be available on the IUPAC web site. The conversion of the database from the current PC based system to an online version would be done as part of the agreement with Fachinformationszentrum Chemie-Berlin.

Chemistry and the Environment Division. Prof. Klein, Past President of the Division represented Dr. Racke who was unable to be present. Prof. Klein reported that a new Chairman had been named for the Subcommittee on Food Chemistry as part of the Division's plan to increase activity in this area. He also noted that the Division Committee at its meeting during the General Assembly had approved a number of projects to run outreach workshops in the areas of the Division's interest. These workshops are intended to inform scientists in developing countries of the current state of the art in areas such as pesticide management.

Chemistry and Human Health Division. Prof. Erhardt noted that the newly elected Division Committee would have representatives from 21 National Adhering Organizations out of the 27 members. He reported that the Division had been forced to replace its proposed incoming President due to the sanctions applied to the Brazilian National Adhering Organization. The Book Analogue-based Drug Discovery, published by Wiley-VCH had sold out its print run of 800 copies. Prof. Erhardt reported that the first recipient of the IUPAC-Richter Prize in Medicinal Chemistry was Prof. Malcolm Stevens, who had given a lecture at the Congress.

Chemical Nomenclature and Structure Representation Division. Prof. Moss reported that a new version of InChI, InChI hash was in beta testing. This will provide a fixed length chemical identifier more useful for certain applications than the indeterminate length InChI. He noted that a Spanish translation of the *Red Book, Nomenclature of Inorganic Chemistry - IUPAC Recommendations 2005* was now available. He pointed out that IUPAC does not produce translations of the color books; this is a responsibility of the national bodies.

After the reports were finished, President Henry thanked the Division Presidents for their concise and informative reports.

12. Reports of Standing Committee Chairmen

12.1. Committee on Printed and Electronic Publications

Prof. Glasser noted the following highlights from his written report. The move of the IUPAC web site from North Carolina to Berlin, the conversion of the online *Gold Book* to an XML version, the continued addition of electronic copies of the *PAC* archive to the web site, currently at 1973, Volume 33, quality improvement in both *CI* and *PAC*. He also noted that the *Gold Book* would in future be maintained only online, with no printed editions planned, and the approval of a project to develop a framework for creating XML versions of all the color books.

The delegate from Jamaica asked what IUPAC's policy was with regard to open access. Dr. Glasser replied that *PAC* was freely available on the IUPAC web site for all issues other than the current and previous year. In addition the authors of articles published in *PAC* are free to put pdf files of their manuscripts from *PAC* on their personal web site or in an institutional repository. IUPAC Technical Reports and Recommendations are always freely available as soon as they are published.

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12.2. CHEMRAWN Committee

Dr. Malin drew the attention of the Council to two items from his report, CHEMRAWN XII - *Chemistry, Sustainable Agriculture and Human Well Being in Sub-Saharan Africa* to be held in Cape Town South Africa this December and the publication of selected presentations from CHEMRAWN XV, 21-23 June 2004, Paris, France, *Chemistry for Water: Contribution of Chemistry to Quantity and Supply - Can the fresh water supply be sustained.*

12.3. Committee on Chemistry and Industry

Dr. Cesa noted the Workshop on the IUPAC-UNESCO-UNIDO Safety Training Program organized at the Congress and the COCI Corner feature in *CI*.

12.4. Committee on Chemistry Education

Prof. Mahaffy highlighted three of the priority activities for the Committee: joint efforts with the Divisions on outreach; partnership with the Organization for the Prevention of the spread of Chemical Weapons (OPCW), UNESCO, and the Chemical Heritage Foundation in Philadelphia (CHF); and the proposed International Year of Chemistry-2011.

12.5. Project Committee

Prof. Somsen was unable to be present.

12.6. Evaluation Committee

Prof. Weir reviewed the conclusions of the Committee as presented in the written report. He emphasized that the projects evaluated showed that IUPAC was receiving value for the money spent on these projects.

12.7. Interdivisional Committee on Terminology, Nomenclature and Symbols

Prof. Lorimer was unable to be present, so Prof. Herold, the Secretary of the Committee presented the report. He noted that in addition to its regular review of IUPAC Technical Reports and Recommendations, the Committee was managing a project to add new terms to the online *Gold Book*.

A Czech delegate asked why the Committee no longer circulated documents to all members of the Committee. Prof. Herold replied that this was a misapprehension. All Recommendations were circulated to all members of ICTNS, while Technical Reports were circulated to those members who had relevant expertise. Prof. Herold noted that for some Recommendations as many as fifty outside experts were invited to comment. This was in addition to the provisional Recommendation being made available for Public comment on the IUPAC web site. Prof. Herold also commented that the publication of the revised Purple Book had had to be delayed due to the number of matters that had to be resolved.

An Australian delegate commented that of the fifteen presenters in the last two items, none had been a woman. The Officers were asked to make special efforts to increase the number of women Presidents and Standing Committee chairs. Prof. Henry replied that this was a

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priority of the Officers but it was difficult given the small number of women active on IUPAC Committees. He noted that the number of women on the Bureau had increased and, depending on the outcome of the elections on Sunday, could increase further.

After the reports were finished, President Henry thanked the Standing Committee Chairmen for their concise and informative reports.

13. Financial Reports

13.1. Biennial Report of Treasurer

Dr. Buxtorf noted that while the Union's reserves are adequate for the near to mid term, there are possible long term financial issues that could arise due to the decline in the income realized from the Union's journal, *Pure and Applied Chemistry*. He also noted a number of other developments, including the introduction of a Strategic Opportunities Fund and the success of the project system in promoting the work of IUPAC. The Treasurer also commented on the success of the concept of calculating National Subscriptions in national currencies in reducing exchange rate related payment problems for NAOs.

Prof. Henry thanked the Treasurer for his almost eight years of service and for having kept IUPAC on a stable fiscal course.

13.2. Report of Finance Committee

Dr. Buxtorf reported that the overall IUPAC portfolio performed well in 2006 with an overall return of almost 14 %. IUPAC's investments are in both Euro and USD denominated securities (equities and bonds) with a total value of USD 5 551 193 as of 31 December 2006. The conservative posture adopted by the Finance Committee has served IUPAC well in the past two years by minimizing the impact of the fall in equity prices in 2005. The IUPAC portfolio is not managed to maximize investment gains but rather to generate current income and to preserve capital.

Prof. Henry thanked Dr. Senti, who could not be present, for his service as Chairman; he is retiring at the end of 2007. He then emphasized the point made by Dr. Buxtorf that the goal of IUPAC's investment policy is to preserve the value of its assets and to provide funds for operations. The Finance Committee has succeeded in both these goals.

13.3. Accounts for 2005-2006

Dr. Buxtorf reported that the audited Financial Statements showed no areas of concern.

A motion was moved and seconded to thank the outgoing Treasurer for his excellent service. The motion passed unanimously by a show of hands.

13.4. Appointment of Auditors for 2007 and 2008

The Bureau has recommended to Council the appointment of Batchelor, Tillery & Roberts, LLP, of Raleigh, North Carolina, USA as IUPAC Auditors for 2007 and 2008.

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The motion below was moved and seconded and was approved unanimously by a show of hands (eligible delegates) as is appropriate for a non-scientific matter provided there is no controversy.

Motion: *Council approves the appointment of Batchelor, Tillery & Roberts, LLP, of Raleigh, North Carolina, USA as IUPAC Auditors for 2007 and 2008.*

14. Budget Proposal

14.1. Proposed Budget for 2008-9

Dr. Buxtorf reported that the proposed budget is USD 2 936 100 with balanced income and expense. He noted that there are small increases in most expense categories. The proposed Total National Subscription in the budget is an increase of 3 % per year from that for 2007.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. He asked if there were any comments or questions for Dr. Buxtorf. There were no comments.

Voting was by delegation cards with simple majority of votes cast being required for approval. The motion below was approved unanimously with no votes against or abstentions.

Motion: *Council approves the proposed budget for 2008-9 and the National Subscriptions implied by the proposed Budget.*

14.2. National Subscriptions for 2008-9

Dr. Buxtorf noted that the National Subscriptions for individual NAOs are calculated using a formula based on the Total National Subscription in the approved budget, and the Chemical Turnover reported for each NAO by recognized international authorities. Changes in relative Chemical Turnover and changes in exchange rates have the greatest effect on individual National Subscriptions.

Dr. Jost was asked to explain the calculation of National Subscriptions in national currencies. He informed the delegates that the calculation of National Subscriptions was done using a formula approved by Council that uses Chemical Turnover to allocate the total National Subscription in the approved budget to individual National Adhering Organizations. The result of this calculation is a set of National Subscriptions in USD. These are then converted to national currency using the average exchange rates for the first quarter of the General Assembly year, in this case, 2007. The Chemical turnover values are obtained from a compilation published by CEFIC, while the exchange rates are from publicly available sources.

15. National Adhering Organizations in Arrears

Prof. Henry noted that in addition to Argentina and Brazil, who are in arrears for 2005 and whose situation would be discussed below; two NAOs (Belarus and Chile) have not paid their 2006 National Subscriptions in full. These NAOs have been reminded that their delegates will not be able to vote at the Council at Torino if payment is not made.

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Prof. Henry reported that sanctions were approved for Argentina and Brazil by the EC at its meeting in March 2007. Argentina has requested that it be allowed to change its status from NAO to ANAO.

Prof. Henry noted that there are three separate Motions. Discussion should be limited to the Motion currently before the Council.

He asked if there was any discussion of Motion 1. There was no discussion.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, 75 % of votes cast were required to approve the motion. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion 1: *Council approves the resignation of the Asociacion Quimica Argentina as the National Adhering Organization of Argentina, with the understanding that if the AQA reapplies for NAO status the total National Subscription currently owed, ARS 29 970.99, payable in USD at the then current exchange rate, must be paid before Council will consider such application. [Requires 75 % of votes cast, by Delegation Cards]*

Prof. Henry asked if there was any discussion of Motion 2. There was no discussion.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, 75 % of votes cast were required to approve the motion. There were five votes abstaining, no votes against; the motion was therefore approved.

Motion 2: *Council approves the application of the Asociacion Quimica Argentina for Associate National Adhering Organization status, to be effective when the annual fee of USD 250 is paid.*

Prof. Henry asked if there was any discussion of Motion 3. There was no discussion.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, 75 % of votes cast were required to approve the motion. There were eighteen votes abstaining, no votes against; the motion was therefore approved.

Motion 3: *Council approves the sanctions imposed by the Executive Committee on the NAO of Brazil.*

16. Change of National Adhering Organization for Korea

Prof. Henry reported that the Korean Chemical Society had requested that the National Adhering Organization for Korea be changed to the Korean Federation of Science and Technology Societies.

Prof. Henry asked if there was any discussion. There was no discussion He noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

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Motion: *Council approves the request to change the National Adhering Organization of Korea from the Korean Chemical Society to the Korean Federation of Science and Technology Societies.*

17. Applications for National Adhering Organization Status

Prof. Black reported that three organizations have applied for NAO status. These are: the Sociedad Cubana de Química, the Chemical Society of Ethiopia and the Programa de Desarrollo de Ciencias Básicas (Uruguay). In addition, the Federación Latinoamericana de Asociaciones Químicas has applied for Associated Organization status.

Prof. Henry noted that there are four separate Motions. Discussion should be limited to the Motion currently before the Council.

He asked if there was any discussion of Motion 1. There was no discussion. He noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion 1: *Council approves the application of the Sociedad Cubana de Química to become an IUPAC National Adhering Organization.*

Prof. Henry asked if there was any discussion of Motion 2. There was no discussion. He noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion 2: *Council approves the application of the Chemical Society of Ethiopia to become an IUPAC National Adhering Organization.*

Prof. Henry asked if there was any discussion of Motion 3. There was no discussion. He noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion 3: *Council approves the application of the Programa de Desarrollo de Ciencias Básicas to become an IUPAC National Adhering Organization.*

Prof. Henry asked if there was any discussion of Motion 4. There was no discussion. He noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion 4: *Council approves the application of the Federación Latinoamericana de Asociaciones Químicas for Associated Organization status*

18. Proposals Formally Received from National Adhering Organizations

Prof. Henry reported that no proposals have been received from National Adhering Organizations.

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

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Prof. Henry reported that there are no proposed organizational changes in existing IUPAC Bodies or proposals for new and reconstituted Bodies/Terms of Reference.

19.1. New Division Rules

Prof. Henry reported that there are no new Division Rules to be approved.

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

Prof. Black reviewed slides showing the proposed Division Officers for 2008-9. These lists are given below. He then asked if there was any discussion; there was no discussion.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion: *Council is asked to approve the appointment of the Division Officers as shown on the slides.*

Lists of Division Officers:

Physical and Biophysical Chemistry Division

President: M. Rossi (Switzerland)
Vice President: A. J. McQuillan (New Zealand)
Secretary: R. Lynden-Bell (continues, UK)

Inorganic Chemistry Division

President: K. Tatsumi (Japan)
Vice President: R. Loss (Australia)
Secretary: L. Interrante (continues, US)

Organic and Biomolecular Chemistry Division

President: P. Tundo (Italy)
Vice President: G. Koomen (Netherlands)
Secretary: M. Garson (Australia)

Polymer Division

President: J.-I. Jin (continues, Korea)
Vice President: C. Ober (continues, US)
Secretary: M. Hess (Germany)

Analytical Chemistry Division

President: A. Fajgelj (Slovenia)
Vice President: W. Lund (Norway)
Secretary: D. B. Hibbert (Australia)

Chemistry and the Environment Division

President: N. Senesi (Italy)
Vice President: None for 2008-9
Secretary: W. Peijnenburg (continues, Netherlands)

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Chemistry and Human Health Division

President: D. Templeton (Canada)
Vice President: To be named
Secretary: M. Chorghade (continues, US)

Chemical Nomenclature and Structure Representation Division

President: G. Moss (continues, UK)
Vice President: R. Hartshorn (New Zealand)
Secretary: T. Damhus (Denmark)

Prof. Black reported that there were three candidates for President for the term 2008-9. The results of the ballot were as follows:

Prof. Jung-II Jin (Korea)	74
Dr. Anders Kallner (Sweden)	28
Prof. Nicole Moreau (France)	33
Abstain	7

Prof. Jin therefore will be IUPAC President for 2008-9.

Prof. Black noted that with the election of Prof. Jin as President, there was now only one candidate for Vice President for the term 2008-9. The results of the ballot were as follows:

Prof. Nicole Moreau (France)	123
Against	7
Abstain	12

Prof. Black reported that there was only one candidate for Secretary General for the term 2008-11. The results of the ballot were as follows:

Prof. David StC. Black (Australia)	133
Against	2
Abstain	7

Prof. Black therefore will be IUPAC Secretary General for 2008-11.

Prof. Black announced that Dr. Schutt had withdrawn his candidacy and that there was therefore now only one candidate for Treasurer. The results of the ballot were as follows:

Prof. John Corish (Ireland)	132
Against	2
Abstain	8

Prof. Corish therefore will be IUPAC Treasurer for 2008-11.

Prof. Black reviewed the composition of the Bureau, other than the members to be elected at the meeting. He reminded delegates of the importance of geographic representation on the Bureau. The Division Presidents for 2008-9 will be:

Division I:	M. Rossi (Switzerland)
Division II:	K. Tatsumi (Japan)
Division III:	P. Tundo (Italy)
Division IV:	C. Ober (USA)
Division V:	A. Fajgelj (Slovenia)
Division VI:	N. Senesi (Italy)

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Division VII: D. Templeton (Canada)
Division VIII: G. Moss (UK).

The continuing Elected Members of the Bureau are:

C. Bai (China/Beijing)
S. Chandrasekaran (India)
M. van Dam-Mieras (Netherlands)
S. Penczek (Poland)
E. Reichmanis (USA)
A. Smith (UK).

The results of the ballot were as follows:

Prof. Dusan Berek (Slovakia)	22
Prof. Giuseppe Della Gatta (Italy)	12
Prof. Vladyslav Goncharuk (Ukraine)	16
Prof. Minoru Isobe (Japan)	68
Dr. Anders Kallner (Sweden)	99
Prof. Venceslav Kaucic (Slovenia)	63
Prof. Werner Klein (Germany)	86
Prof. Ram S. Lamba (Puerto Rico)	80
Prof. Natalia Tarasova (Russia)	102

Election requires a simple majority of the votes cast (72 out of 142). The following were therefore elected as Members of the Bureau for 2008-11: Dr. Kallner, Prof. Klein, Prof. Lamba, and Prof. Tarasova.

21. Plans for 45th General Assembly and 42nd Congress (Glasgow, 2009)

Dr. Alan Smith reviewed the plans for the Congress and General Assembly in Glasgow, Scotland.

22. Approval of Dates and Sites of 46th General Assembly and 43rd Congress (2011)

Prof. Black reported that proposals had been received from the Colegio de Quimicos de Puerto Rico and the Turkish Chemical Society to host the General Assembly and Congress in 2011. The Executive Director has visited each of the proposed venues and determined that the proposed facilities are suitable. Representatives of each organization made a presentation concerning their plans and the proposed facilities. Prof. R. Lamba presented the proposal from Puerto Rico. Prof. A. Aroguz and Prof. S. Gultekin presented the proposal from Turkey. After the presentations the delegates were asked to vote on the site of the 2011 General Assembly and Congress. Voting was done by written ballot with a simple majority of the votes cast required for approval. Prof. Henry informed that at its meeting earlier in the week the Bureau had approved a recommendation that Council approve the bid of the Colegio de Quimicos de Puerto Rico. This recommendation was based mainly on the desirability of holding the Congress and General Assembly in a region other than Europe, given the fact that the 2007 and 2009 Congresses and General Assemblies will have been held in Europe.

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Prof. Henry reported that the results of the ballot were as follows:

Colegio de Quimicos de Puerto Rico	78
Turkish Chemical Society	59
Abstain	5

23. Reauthorization of Commissions

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion: *Council is asked to reauthorize 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).*

24. Important Matters Referred to Council by the Bureau at 44th General Assembly not Covered by Items on Council Agenda

Prof. Henry reported that the Bureau has begun the process of obtaining approval of 2011 as an International Year of Chemistry. At a meeting with UNESCO staff in Paris on 25 May 2007 it was confirmed that they supported the proposal to designate 2011 as an International Year of Chemistry and also confirmed that 2011 was the earliest possible year, given the dates of the meetings of the biennial UNESCO General Conference (October 2007). 2011 is the centenary of the Chemistry Nobel Prize of Marie Skłodowska Curie. The Task Group was told that the United Nations General Assembly has informed all UN agencies that International Years can only be named by the General Assembly. The Task Group has identified the necessary requirements for obtaining the desired designation by the United Nations General Assembly.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion: *Council endorses the plan to obtain United Nations approval of 2011 as an International Year of Chemistry.*

Prof. Henry reported that the Joint Working Party on Priority claims for the discovery of elements with atomic number greater than 111 has decided to divide its work into two parts; they will first consider the evidence regarding the element of atomic number 112 and then claims regarding elements of higher atomic number. This will enable the naming process for 112 to proceed while the claims for elements 113 et seq. are resolved.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There was one vote abstaining, one vote against; the motion was therefore approved.

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Motion: *The Bureau requests that the Council delegate to the Bureau the authority to approve a proposed name for the element of atomic number 112, providing that there is no controversy after the Public Comment period.*

Prof. Henry reported that the Commission on Isotopic Abundances and Atomic Weights (II.1) had met in Pisa, Italy, prior to the General Assembly. Following its meeting, the Commission recommended significant changes to the standard atomic weights, Ar(E), of 5 chemical elements. The following changes are based on new determinations of isotopic abundances and reviews of previous isotopic abundances and atomic masses:

	From	To
lutetium	174.967(1)	174.9668(1)
molybdenum	95.94(2)	95.96(2)
nickel	58.6934(2)	58.6934(4)
ytterbium	173.04(3)	173.054(5)
zinc	65.409(4)	65.38(2)

The values are presented in a concise notation whereby the standard uncertainty is given in parenthesis next to the least significant digits to which it applies; for example, Ar(Zn) = 65.38(2) is the concise form of the expression $\text{Ar}(\text{Zn}) = 65.38 \pm 0.02$

In addition, the recommended value for the isotope amount ratio of $^{40}\text{Ar}/^{36}\text{Ar}$, which may be of importance to geochronologists, has been changed from 296.03(53) to 298.56(31).

The above changes will be published in a Press Release to be distributed after the General Assembly.

Prof. Henry noted that this is a Bureau proposal and therefore does not require a floor motion. Voting was by delegation cards, with a simple majority of votes cast required for approval. There were no votes abstaining, no votes against; the motion was therefore approved unanimously.

Motion: *The Council approves the Press Release prepared by the Commission on Isotopic Abundances and Atomic Weights after its meeting in Pisa.*

25. Reports from Round Table Discussions

Reports were given summarizing the discussions at the four Round Tables held on the Friday before the Council meeting. Copies of the reports given can be found on the IUPAC web site at < http://www.iupac.org/symposia/conferences/ga07/council_agenda.html>.

Topic A: How can we attract more students to chemistry? Do we need to modify the curriculum? Can IUPAC play a role?

Prof. van Dam-Mieras

Topic B: How can we help regions and small countries to have a more effective voice within IUPAC?

Prof. Penczek

Topic C: How can we interact more effectively with governments and other decision makers? How can we improve our interactions with industry, other unions, ICSU, UNESCO,

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etc.?

Prof. Moreau

Topic D: How can we increase the global visibility of chemistry, enhance public understanding of chemistry, and improve its public image? How can we improve the visibility and image of IUPAC?

Prof. Mahaffy

Prof. Henry initiated a brief discussion of the concept of Round Table Discussions and asked for an expression of interest in doing this at Glasgow. Council endorsed, by a show of hands, holding similar Round Table discussions at Glasgow.

26. Any Other Business (discussion only)

Prof. Henry reminded the delegates that the purpose of this item is to allow general comments regarding the business of the Council. To ensure general participation, no delegate may speak twice until all other delegates have had an opportunity to speak.

The delegate from Slovakia suggested that IUPAC arrange for free access to the journals of the major chemical societies for all IUPAC National Adhering Organizations. One of the delegates from Puerto Rico suggested that a report be prepared for Council in 2009 on progress made on the proposals received from the Round Table discussions.

27. Closing Remarks, Adjournment

Prof. Henry noted the close ballot for the selection of the site of the 2011 Congress and General Assembly. He asked the delegates to indicate by a show of hands if they wished the Turkish Chemical Society to make a bid for the 2013 Congress and General Assembly. An overwhelming number of delegates raised their hands in favor.

Prof. Henry thanked the delegates for the insightful debate and their cooperation in keeping on schedule. He asked that if anyone had any comments on the new Council procedures, they should send them to him by e-mail. Prof. Henry thanked Prof. Sydnes, Dr. Buxtorf, Prof. Black, and Dr. Jost for their help during his term as President.

Prof. Henry noted the participation in the Council meeting of a number of Young Observers and asked them to stand so that they could be recognized. He then congratulated Prof. Jin and Prof. Moreau on their election as President and Vice President.

Prof. Henry thanked the Italian organizers, wished everybody a safe journey home, and hoped to "See you in Glasgow!"