

International Union of Pure and Applied Chemistry

83rd MEETING OF BUREAU

Madrid, Spain, 7-8 October 2006

MINUTES

1.	Introductory Remarks and Finalization of Agenda	1
2.	Minutes of 81st and 82nd Meetings of Bureau	1
2.1	<i>Matters Arising from Minutes (not covered by Items on Agenda).....</i>	<i>1</i>
3.	Minutes of 133rd Meeting of Executive Committee.....	1
3.1	<i>Receipt of Minutes by Bureau</i>	<i>1</i>
3.2	<i>Highlights and questions about items not on Bureau Agenda.....</i>	<i>1</i>
4.	Action Items from Previous Meetings.....	1
5.	Receipt of Written Reports from Divisions and Standing Committees.....	1
6.	Items from Meeting of Division Presidents	1
7.	Vice President's Resignation.....	2
8.	Review of Division Voting Procedures.....	2
8.1	<i>Alternative Ways to Participate in the Work of IUPAC Prof. Penczek</i>	<i>3</i>
9.	Task Force to Improve Operational Efficiency.....	3
10.	Task Force to Revise Statutes and Bylaws	3
11.	Future General Assemblies and Congresses.....	3
11.1	<i>44th General Assembly and 41st Congress (Torino, 2007).....</i>	<i>3</i>
11.2	<i>45th General Assembly and 42nd Congress (Glasgow, 2009).....</i>	<i>3</i>
12.	IUPAC and the Public Understanding of Chemistry	4
13.	Selection of Topics for Roundtable Discussions.....	4
14.	World Chemistry Leadership Meeting	4
15.	Second OPCW Workshop.....	5

**Bureau Minutes
Madrid, 2006**

16.	Proposal for an International Year of Chemistry.....	5
17.	Report from Task Force on International Research Funding in the Chemical Sciences	5
18.	Financial Matters.....	6
18.1	<i>Report of Treasurer.....</i>	6
18.2	<i>Report of Finance Committee</i>	6
18.3	<i>Statement of Accounts for 2005</i>	7
18.4	<i>Review of Budgets for 2006-7.....</i>	7
18.5	<i>NAO and ANAO Payment Status</i>	7
18.6	<i>Sanctions process for NAOs in Arrears.....</i>	7
18.7	<i>Finance Committee Membership.....</i>	8
19.	Publications	8
19.1	<i>Status Report on Pure and Applied Chemistry.....</i>	8
19.2	<i>Status Report on Chemistry International</i>	8
19.3	<i>Book Publication and Book Sales.....</i>	8
19.4	<i>Approval of PAC and CI Subscription Rates for 2007.....</i>	8
19.5	<i>Author Archiving Policy</i>	8
20.	Current Projects.....	9
20.1	<i>Report from Project Committee.....</i>	9
20.2	<i>Project Expense, Project Approvals</i>	9
21.	Report from Evaluation Committee.....	9
22.	Discovery and Naming of New Elements.....	9
23.	Fellows and Affiliate Membership Programs.....	10
24.	Status Report on IUPAC Secretariat	10
25.	IUPAC Web Site and Other Publicity about the Union.....	10
25.1	<i>Status Report.....</i>	10
25.2	<i>Ad Hoc Committee on the Website and Databases.....</i>	10

**Bureau Minutes
Madrid, 2006**

26.	NAO and ANAO Recruitment.....	10
27.	IUPAC Prize for Young Scientists 2006.....	11
28.	Conferences and Symposia.....	11
28.1	<i>Support for Conferences in Scientifically Emerging Regions and Conferences on New Directions in Chemistry</i>	<i>11</i>
28.2	<i>Malta III Conference.....</i>	<i>11</i>
28.3	<i>Ratification of Sponsorship of Symposia</i>	<i>11</i>
29.	Dates and Places of Next Bureau Meetings	12
30.	Any Other Business	12

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MINUTES

Attendees: Prof. B. R. Henry, Chairman, Prof. D. StC. Black, Prof. C. M Brett,
Dr. C. F. Buxtorf, Dr. M. C. Cesa, Prof. P. W. Erhardt, Prof. M. Isobe,
Prof. J-I. Jin, Dr. A. Kallner, Prof. W. Klein, Prof. R. Lobinski,
Prof. P. G. Mahaffy, Dr. J. M. Malin, Dr. G. P. Moss, Prof. N. J. Moreau,
Prof. S. Penczek, Prof. O. M. Nefedov, Dr. K. D. Racke, Dr. E. Reichmanis,
Dr. A. Smith, Prof. L. K. Sydnes, Prof. M. C. E. van Dam-Mieras,
Prof. A. R. West

Absent: Prof. C. Bai, Prof. S. Chandrasekaran

Guests: Prof. G. Della Gatta, Dr. F. Meyers, Prof. C. Minero, Prof. G. Somsen,
Prof. R. D. Weir

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

1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Henry welcomed the members of the Bureau to the meeting and thanked Prof. Goya and Prof. Oro for the excellent arrangements. He noted that certain items on the Agenda would be taken out of order to accommodate the schedules of the persons presenting those items.

2. MINUTES OF 81ST AND 82ND MEETINGS OF BUREAU

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

There were no matters arising.

3. MINUTES OF 133RD MEETING OF EXECUTIVE COMMITTEE

3.1 RECEIPT OF MINUTES BY BUREAU

3.2 HIGHLIGHTS AND QUESTIONS ABOUT ITEMS NOT ON BUREAU AGENDA

There were no questions about items not on the Agenda.

4. ACTION ITEMS FROM PREVIOUS MEETINGS

Prof. Henry reviewed the Action Items from previous Bureau and Executive Committee meetings.

5. RECEIPT OF WRITTEN REPORTS FROM DIVISIONS AND STANDING COMMITTEES

The Division Presidents and Standing Committee chairmen briefly reviewed their written reports, which are available on the IUPAC web site.

6. ITEMS FROM MEETING OF DIVISION PRESIDENTS

Prof. Isobe reported that there were no items for the Bureau from the regular meeting of the Division Presidents. He then reported that the Division Presidents had met separately after the regular meeting and formulated a number of issues that they

Bureau Minutes
Madrid, 2006

wished the Bureau to consider. These are:

1. The minimum responsibilities of a Division President should be written down.
2. There is a need for improved communication. It was felt that e-mail messages were often lost or ignored in the midst of other business. It was suggested that a page be set up on the web site that would contain a list of all the current items needing to be done by a Division President.
3. The Division Presidents noted that the budgets of the Divisions had not been increased for the past two biennia and proposed that the budgets of the Divisions be increased for the next biennium. They also proposed that more funding should be allocated directly to the Divisions rather than administered centrally, i.e. the Project Committee Fund and the Division Reserve Fund

Prof. Henry thanked the Division Presidents for their comments. He asked that the Secretariat work with the Division Presidents to implement items 1 and 2. He then noted that budget issues would be discussed later in the Agenda.

Action Item: The Secretariat should work with the Division Presidents to develop a web page for communication with the Division Presidents and develop a written description of the minimum responsibilities of a Division President.

7. VICE PRESIDENT'S RESIGNATION

Prof. Henry reviewed the circumstances that led to the resignation of the Vice President, Prof. Matsumoto. He reported that the officers had agreed that in accordance with Statute 7.5, Council at Torino would elect both a President and Vice President in separate elections. He reported that the NAOs had been notified that candidates could be nominated for both positions. The NAOs were asked to nominate persons with previous IUPAC experience for the position of President since this person would not have the usual opportunity of a term as Vice President to become familiar with IUPAC. He then described the reasons the officers were recommending that the Bureau not appoint an interim Vice President to serve out the remainder of Prof. Matsumoto's term. After some discussion the Bureau approved this recommendation with no dissenting votes.

8. REVIEW OF DIVISION VOTING PROCEDURES

Prof. Black and Dr. Jost reviewed the process for election and selection of members of Division and Standing Committees. It was emphasized that the schedule for this process allowed all appointments to be made before the General Assembly. This was important so that Committee memberships could be finalized and approved in a timely manner. Some Division Presidents noted that it might be difficult to complete the selection process before the General Assembly, but they all indicated that they would make every effort to meet this deadline.

The Bureau was asked to approve the request of the Division Presidents to increase the number of national Representatives on Division Committees from six to ten for the biennium 2008-9. The Bureau approved this proposal with no dissenting votes.

Bureau Minutes Madrid, 2006

8.1 ALTERNATIVE WAYS TO PARTICIPATE IN THE WORK OF IUPAC

Prof. Penczek noted that the Polish National Committee had nominated a number of prominent Polish chemists for positions on Division Committees. Many of these had not been selected to serve. He suggested that the Division Presidents consider ways in which these candidates could serve IUPAC in other capacities. A number of Division Presidents commented that they would be glad to consider these candidates for positions on Advisory Committees or specialized Subcommittees as appropriate.

9. TASK FORCE TO IMPROVE OPERATIONAL EFFICIENCY

Prof. Henry reported that the Task Force had generated a number of ideas, which were now being reviewed. He expected the Task Force to have its recommendations ready for the meeting of the Executive Committee in March.

10. TASK FORCE TO REVISE STATUTES AND BYLAWS

Prof. Black reported that the Task Force had not yet begun work, but would have a report available before the General Assembly.

11. FUTURE GENERAL ASSEMBLIES AND CONGRESSES

11.1 44TH GENERAL ASSEMBLY AND 41ST CONGRESS (TORINO, 2007)

Prof. Della Gatta and Prof. Minero reviewed the current situation with regard to the IUPAC Congress at Torino. They noted that while certain activities were behind schedule, they were confident that all the necessary actions would be taken in time to have a successful Congress. The International Advisory Board is now almost complete; appointment letters have been sent to those members who have agreed to serve. Plenary speakers have been approached with four acceptances out of seven invitations, with the remaining three yet to respond. There will be a meeting on 6 November in Rome to complete the Scientific Program. The Session Co-Chairs have been selected and most have agreed to serve. Prof. Della Gatta also noted that the Congress dinner was scheduled for Wednesday evening. This conflicts with the traditional Bureau dinner and it was agreed to change the date of the Bureau dinner to Thursday evening. The Congress web site is now available but is still incomplete. It is expected that online registration will be available by early November.

Dr. Jost reported that planning for the General Assembly was proceeding on schedule and that invitation letters would be sent to national Adhering Organizations, members of IUPAC Committees, and others in November.

11.2 45TH GENERAL ASSEMBLY AND 42ND CONGRESS (GLASGOW, 2009)

Dr. Jost reported that there had been preliminary discussions with the Royal Society of Chemistry regarding background information. He noted that an organizing committee had been formed and that the proposed membership of the International Advisory Board would be available in early November.

12. IUPAC AND THE PUBLIC UNDERSTANDING OF CHEMISTRY

Prof. Mahaffy reviewed the background of the report prepared by the Committee on Chemistry Education discussing the role of IUPAC in the Public Understanding of Chemistry. The key recommendation of the report is that IUPAC's role should focus on chemists and educators. The Committee proposes that IUPAC's niche is to focus on activities that indirectly enhance public understanding, such as the following:

- a. Helping scientists identify and understand their publics
- b. Influencing international organizations
- c. Supporting science education systems, particularly in countries in transition
- d. Supporting scientists and educators by communicating relevant findings from IUPAC projects and activities at an appropriate level
- e. Supporting national chemical societies and other organizations

The Bureau approved adoption of this report.

13. SELECTION OF TOPICS FOR ROUNDTABLE DISCUSSIONS

Prof. Henry described the background of the proposed round Table Discussions at the General Assembly. They are intended to give the Council delegates the opportunity to discuss topics of current interest in a less formal setting than the Council meeting. There will be 3-4 groups each of which will discuss a different topic with a Bureau member to lead the discussion. Delegates will be asked to select a preferred topic in advance. The Bureau then reviewed the proposed topics and selected the following; the officers selected the moderators after the Bureau meeting:

1. How can we attract more students to chemistry? Do we need to modify the curriculum? Can IUPAC play a role?
Discussion Chair: Prof. Dam-Mieras; Moderator: Prof. David Black
2. How can we help regions and small countries to have a more effective voice within IUPAC?
Discussion Chair: Dr. Christoph Buxtorf; Moderator: Prof. Stanislaw Penczek
3. How can we interact more effectively with governments and other decision makers? How can we improve our interactions with industry, other Unions, ICSU, UNESCO, etc.? Would it help to move further to NGO status?
Discussion Chair: Prof. Bryan Henry Moderator: Prof. Nicole Moreau
4. How do we increase the global visibility of chemistry and improve its public image? How can we improve the visibility and image of IUPAC? (This title was modified slightly after the meeting to read "How do we increase the global visibility of chemistry and improve its understanding and image by the public? How can we improve the visibility and image of IUPAC?")
Discussion Chair: Prof. Peter Mahaffy; Moderator: Professor Leiv Sydnnes

14. WORLD CHEMISTRY LEADERSHIP MEETING

Prof. Sydnnes reported that discussions among the group planning the agenda for the WCLM had led to two major areas being considered as the theme of the meeting:

Bureau Minutes
Madrid, 2006

1. Changes in the European Higher Education system and
2. Changes in the European regulatory landscape.

Topic one would focus on the Bologna agreement and the efforts to unify the degrees offered in European Universities and thereby enable greater mobility for students. These changes will have repercussions not only in Europe, both inside and outside the EU, but also outside Europe, especially in countries that send large numbers of students to study in Europe.

Topic two would be concerned not only with REACH (Registration, Evaluation and Authorisation of Chemicals) but also with SAICM (Strategic Approach to International Chemicals Management) and evolution of Responsible Care.

The Planning Group is still discussing possible approaches to the WCLM, which might include discussing either both topics or only one. The desire is to have no more than a small number (1-4) of invited speakers followed by general discussion. In order to promote discussion, the meeting room will provide for seating of the invited delegates (~50) around a central space, with observers on the periphery of the room. Prof. Sydnnes noted that he had been working closely with Dr. Colin Humphris of CEFIC in the planning and organization of the WCLM with the intention of attracting a significant number of participants from the chemical industry.

Prof. Van Dam-Mieras commented that an alternative formulation of Topic two might be "Regulation in a Risk Averse Society". Prof. Henry suggested that a three-speaker format might be appropriate, with one from the chemical industry, one academic, and one from the society at risk. Prof. Klein commented that as part of the second topic the speakers should consider what these new regulations would do to improve human welfare.

15. SECOND OPCW WORKSHOP

Prof. Sydnnes briefly reviewed the written information provided. He reported that the Committee is working on a program for the Meeting next April (22-25) at Zagreb.

16. PROPOSAL FOR AN INTERNATIONAL YEAR OF CHEMISTRY

Prof. Henry noted that the International Year of Chemistry had been the responsibility of Prof. Matsumoto. With her resignation, it is necessary to assign this responsibility to someone else. He reminded the Bureau that the year 2009, the 175th anniversary of Mendeleev's birth (7 February 1834) had been chosen as the appropriate year. After a brief discussion the Bureau concluded that there was still time to plan for this event and agreed to proceed. Prof. Mahaffy agreed that CCE would take the lead in organizing an International Year of Chemistry for 2009. It was noted that a number of national groups have plans for events of various kinds in 2009 and it would be important to coordinate with them.

17. REPORT FROM TASK FORCE ON INTERNATIONAL RESEARCH FUNDING IN THE CHEMICAL SCIENCES

Prof. Henry noted that this group of representatives from funding agencies had now met twice with IUPAC sponsorship, most recently at Budapest. The group hopes

Bureau Minutes
Madrid, 2006

eventually to develop a formal relationship with IUPAC, but first they feel it is necessary to ascertain that there is sufficient interest to establish an organization.

18. FINANCIAL MATTERS

18.1 REPORT OF TREASURER

Dr. Buxtorf briefly reviewed his written report. He noted that the financial situation of the Union was good and there were no significant items in the budget for the past biennium.

18.2 REPORT OF FINANCE COMMITTEE

Dr. Buxtorf reviewed the reasons for the transfer of the Union's investment portfolio from Merrill Lynch to Wachovia bank. The major reason for this transfer was to benefit from having the Union's investments at the same institution as its operating accounts.

He then reviewed the proposal from the Finance Committee to change the character of the Division Reserve Fund. The Finance Committee has proposed that this Fund be renamed the Strategic Opportunities Fund and that its focus be changed to provide funding for projects deemed important for the achievement of the Union's strategic objectives. Applications from the Divisions and Standing Committees for funding of projects for which funding is not available from their own budgets would still be accepted, but the focus of the Fund would be changed to funding projects of strategic significance.

Prof. Henry reviewed the history of the changes to the Division budgets with the introduction of the project system noting that the change had significantly increased the budgets of the Divisions as compared to the situation under the Commission system. He also noted that a later agenda item would initiate a discussion of possible needs for an increase in staff at the Secretariat to provide support for the web-based services provided to Divisions and Standing Committees.

Prof. Ehrlich noted that the Division Presidents at their meeting had proposed that more money be directly allocated to the Divisions rather than being allocated to centrally administered funds, such as the Project Fund and the proposed Strategic Opportunities Fund.

There was a general discussion of the concept of a Strategic Opportunities Fund. It was noted that applications could be made at any time, and not only when a Division or Standing Committee had allocated its project budget. The process was also reviewed to make clear that the Project Committee would provide the initial review with the final decision being made by the Executive Committee. The motion to create the Strategic Opportunities Funds with initial funding of USD 120 000 for the 2008-9 biennium was approved with 11 votes in favor and 4 abstentions. There were no votes against.

Bureau Minutes
Madrid, 2006

18.3 STATEMENT OF ACCOUNTS FOR 2005

This item was for information only.

18.4 REVIEW OF BUDGETS FOR 2006-7

This item was for information only. No changes in the budget approved by Council were proposed.

18.5 NAO AND ANAO PAYMENT STATUS

Dr. Jost reported that as of 19 September 2006 only one NAO, namely Egypt, was subject to sanctions for being in arrears for two years or more. Three other NAOs, namely Argentina, Brazil, and Chile, have been sanctioned in the past year, and all have paid the National Subscriptions in arrears.

In addition to Egypt, there are three NAOs, Argentina, Brazil, and Kuwait, who owe all or part of their NS for 2005: (Kuwait paid its overdue NS after the Bureau meeting). If payment is not received on or before 1 January 2007 they would be subject to the sanctions process described in Item 18.6, including the possible imposition of sanctions agreed by the Executive Committee at its meeting in March 2007. Ten NAOs, other than Argentina and Egypt, still owe all or part of their 2006 National Subscription. If payment were not received by the week of the General Assembly, those NAOs who have not paid would be ineligible to vote and, as a consequence, would also be ineligible for IUPAC support for one Council delegate.

Albania is the only ANAO that has asked to resign as an ANAO because it could not pay the new fee of USD 250.

18.6 SANCTIONS PROCESS FOR NAOs IN ARREARS

Dr. Jost reviewed the sanctions process approved by the Executive Committee at its meeting in Dublin as described in Item 13.5.2 of the EC Minutes as follows:

1. National Subscriptions become overdue 1 January of the year following the year of the assessment, i.e. the National Subscriptions for 2005 become overdue on 1 January 2006.
2. Sanctions are applied if National Subscriptions are overdue by more than one year, i.e. National Subscriptions for 2004 are overdue by one year on 1 January 2006.
3. Sanctions to be applied are the following:
 - a. Members of Division and Standing Committees from sanctioned NAOs cannot receive support to attend IUPAC Meetings in their capacity as members of a Division or Standing Committee; this includes the General Assembly;
 - b. Sanctioned NAOs cannot submit nominations for membership of

Bureau Minutes
Madrid, 2006

Division and Standing Committees;

- c. Members of Division and Standing Committees from sanctioned NAOs cannot be nominated for election or appointed to Division and Standing Committees.
4. Sanctions are to be approved by the Executive Committee at its regular April meeting, i.e. sanctions for NAOs that have not paid their 2004 National Subscriptions are considered at the April 2006 meeting. The Executive Director will inform the Executive Committee of measures taken to notify the NAO of its arrears.
5. NAOs are to be notified formally that sanctions will be applied unless payment is made by 1 June, i.e. NAOs will be notified soon after the April 2006 meeting of sanctions approved at the meeting and sanctions will be applied on 1 June 2006 if payment is not received before then.

18.7 FINANCE COMMITTEE MEMBERSHIP

Dr. Buxtorf reported that the term of the Chairman of the Finance Committee would end on 31 December 2006 and therefore a new Chairman will need to be appointed. He also noted that his term would expire at the end of 2007 and a new Treasurer would be elected at the Council meeting in Torino. If a current member of the Finance Committee is appointed chairman a new member of the Committee will need to be appointed.

19. PUBLICATIONS

19.1 STATUS REPORT ON *PURE AND APPLIED CHEMISTRY*

Dr. Jost reviewed his written report. There were no comments.

19.2 STATUS REPORT ON *CHEMISTRY INTERNATIONAL*

Dr. Jost and Dr. Meyers reviewed their written reports. There were no comments. The Bureau expressed its appreciation of the excellent work done by Dr. Meyers as Editor of *Chemistry International*.

19.3 BOOK PUBLICATION AND BOOK SALES

Dr. Jost reviewed his written report. He noted that a new online version of the *Gold Book* implemented using XML would be available next month on the IUPAC web site. A CD containing the XML *Gold Book* would be distributed with the November/December issue of *Chemistry International*.

19.4 APPROVAL OF *PAC* AND *CI* SUBSCRIPTION RATES FOR 2007

The Bureau ratified the subscription rates proposed by the Committee on Printed and Electronic Publications.

19.5 AUTHOR ARCHIVING POLICY

Dr. Jost reviewed the background of the Author Archiving Policy proposed by CPEP. The text of the policy is given below. The Bureau approved the

proposed policy.

Author Archiving Policy for IUPAC

IUPAC makes freely available the full texts of all articles published in Pure and Applied Chemistry on the IUPAC web site, <http://www.iupac.org/publications/pac/index.html>, for all except the current and most recently completed volumes. In addition, authors may immediately deposit copies of their own articles online, for archival and distribution purposes, but only in the form of the IUPAC published pdf version. IUPAC Technical Reports and Recommendations are freely accessible from date of publication.

Unless there is a footnote to the contrary, reproduction or translation of material from Chemistry International is encouraged, provided that it is accompanied by a reference to the original in Chemistry International

20. CURRENT PROJECTS

20.1 REPORT FROM PROJECT COMMITTEE

Prof. Somsen reviewed his written report. There were no questions.

20.2 PROJECT EXPENSE, PROJECT APPROVALS

Dr. Jost reviewed the written material in the Agenda Book. He emphasized the differences among the categories being tracked, namely project commitments, project expenses, and operating expenses.

21. REPORT FROM EVALUATION COMMITTEE

Prof. Weir reviewed the Terms of Reference of the Evaluation Committee and noted that the number of completed projects that had been approved as part of the project system was now large enough for the Committee to prepare a report for Council at Torino. Prof. Weir also reported that the Committee at its meeting on Friday had arrived at a process to develop the planned report. The intent is not to provide a detailed evaluation of individual projects, but rather an overall summary of the value of the evaluated projects. The Bureau discussed the background report presented by the Committee and made comments that will be considered by the Committee in developing its report to Council.

22. DISCOVERY AND NAMING OF NEW ELEMENTS

Prof. West and Prof. Black reviewed the written report. Prof. West reported that due to delays caused by the lengthy discussions with IUPAP regarding the membership of the Joint Working Party, it was unlikely that a proposal regarding new names of any elements would be ready in time for approval by Council at Torino.

23. FELLOWS AND AFFILIATE MEMBERSHIP PROGRAMS

Dr. Jost reviewed his written report. There was some discussion of additional forms of recognition, other than the Fellows program. It was concluded that if individual Divisions or Standing committees wished to make special awards they were able to do so.

24. STATUS REPORT ON IUPAC SECRETARIAT

Dr. Jost reviewed his written report describing the routine work of the Secretariat. He then commented that while the proposals from the ad hoc Committee on the web site were not yet available, the preliminary discussions implied that some of the functionality desired by the Divisions and Standing Committees would require the addition of a staff member at the Secretariat. Prof. Lobinski commented that the IUPAC web site should be made more useful for the non-expert. The suggestion was made that the Claim Form should be revised to include the statement that bank information previously provided should be used.

Action Item: Secretariat to revise Claim Form to include statement that previously provided information should be used.

25. IUPAC WEB SITE AND OTHER PUBLICITY ABOUT THE UNION

25.1 STATUS REPORT

Dr. Meyers reviewed her written report. She noted that the mirror sites had been eliminated as part of the change of location of the server from North Carolina to Berlin. Mirror sites would be reestablished once a new mechanism for updating mirror sites and for obtaining users statistics on them had been devised.

Dr. Jost reviewed the various printed items, such as brochures and flyers, produced for publicizing the Union. Many of these items were distributed to participants at IUPAC sponsored conferences along with recent copies of *Chemistry International*.

25.2 AD HOC COMMITTEE ON THE WEBSITE AND DATABASES

Prof. Black reviewed the Terms of Reference of the Committee. He reported that the Committee had completed its preliminary work and was in the process of compiling a set of recommendations. He noted that after the recommendations had been compiled, Dr. Jost would be asked to review them and provide an estimate of the associated costs. As Dr. Jost noted in Item 24, some of the proposals could require additional staff. The Bureau and eventually Council would have to decide if the associated costs were justified by the benefits from the implementation of the proposals.

26. NAO AND ANAO RECRUITMENT

Prof. Sydnes reviewed the efforts that had been made by himself and others to recruit

Bureau Minutes
Madrid, 2006

new NAOs. He noted that in many cases assurances had been given that an application for membership would be made but that there had been no response to subsequent inquiries.

Prof. Black described the draft application form that had been developed. After some discussion it was agreed that the proposed form was a useful one and should be used in future when inquiries were received regarding membership.

27. IUPAC PRIZE FOR YOUNG SCIENTISTS 2006

Prof. Sydnes reviewed the 2006 competition and noted that the applications had been of a uniformly high quality. He commented that the application forms should be reviewed to be sure that all the necessary information was clearly requested.

28. CONFERENCES AND SYMPOSIA

28.1 SUPPORT FOR CONFERENCES IN SCIENTIFICALLY EMERGING REGIONS AND CONFERENCES ON NEW DIRECTIONS IN CHEMISTRY

Prof. Somsen referred the members to the report in the Agenda Book. There were no comments or questions.

28.2 MALTA III CONFERENCE

Prof. Henry reviewed the written material regarding the new relationship of IUPAC to this conference. Malta III will be held in Turkey late in 2007. He reported that at a meeting in Detroit it had been agreed that the following guidelines would govern this new relationship:

- 1) IUPAC will lend its name as the lead organizing entity of the Malta III conference.
- 2) IUPAC will serve as grantee organization for grant proposals and grants. It will act as fund manager for all contributions and grants, receiving and disbursing funds and providing financial reports as needed.
- 3) IUPAC will sign contracts as necessary, once funds have been secured.
- 4) IUPAC will provide \$10,000 in support of the conference.
- 5) IUPAC will do modest-scale mailings, if necessary.
- 6) IUPAC will provide 2 representatives to the Organizing Committee, Bryan Henry and John Malin.

Prof. Van Dam-Mieras noted that the Mediterranean league was an organization that might be a useful contact for the organizers of the conference.

28.3 RATIFICATION OF SPONSORSHIP OF SYMPOSIA

The conference sponsorships approved since the meeting of the Executive Committee were ratified by the Bureau with no negative votes.

Bureau Minutes
Madrid, 2006

29. DATES AND PLACES OF NEXT BUREAU MEETINGS

Torino, 8-9 and 12 August 2007. All Bureau members are expected to attend the Council meeting on 11-12 August.

30. ANY OTHER BUSINESS

There was a brief discussion of fund raising for Division projects. Dr. Jost reported that as a result of discussions at the Division Presidents' meeting it had been agreed that the incoming Division Presidents and Standing Committee Chairmen would be invited to attend the first hour of the Division Presidents meeting at Torino. At this time a tutorial would be held on the duties of a Division President or Standing Committee Chairman. A written summary of these would be developed by the Secretariat before the meeting.

Prof. Henry thanked the members of the Bureau for their work and their contributions to a successful meeting. He again expressed the thanks of the Bureau to the local organizers for the excellent arrangements. The meeting was then adjourned.