

# International Union of Pure and Applied Chemistry

86<sup>th</sup> MEETING OF BUREAU

29 March 2008, Istanbul, Turkey

MINUTES

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86<sup>th</sup> MEETING OF BUREAU

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MINUTES

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Attendees: Prof. J-I. Jin, Chair, Prof. D. StC. Black, Dr. M. C. Cesa,  
Prof. S. Chandrasekaran, Prof. J. Corish, Dr. A. Fajgelj, Prof. B. R. Henry,  
Prof. R. S. Lamba, Dr. A. Kallner, Prof. W. Klein, Prof. P. G. Mahaffy,  
Dr. G. P. Moss, Prof. N. J. Moreau, Prof. C. K. Ober, Prof. S. Penczek,  
Prof. E. Reichmanis, Prof. M. J. Rossi, Prof. N. Senesi, Dr. A. Smith,  
Prof. L. K. Sydnes, Prof. N. P. Tarasova, Prof. K. Tatsumi,  
Prof. D. M. Templeton, Prof. P. R. Tundo

Absent: Prof. C. Bai, Prof. M. C. E. van Dam-Mieras

Guests: Prof. J. Bull, Dr. J. M. Malin, Dr. F. Meyers, Prof. H. K. J. Powell,  
Prof. R. D. Weir

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

## 1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Jin welcomed the members of the Bureau to the meeting and expressed his thanks to the Turkish Chemical Society for their hospitality and for the excellent arrangements. He noted that Prof. Bai and Prof. van Dam-Mieras were unable to attend the meeting. There were no changes to the Agenda. Prof. Jin noted that Prof. Bull's special report on *Pure and Applied Chemistry* would be part of item 12.1

## 2. MINUTES OF 84<sup>TH</sup> AND 85<sup>TH</sup> MEETINGS OF BUREAU

This item was for information only.

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

There were no other matters arising from the Minutes of the previous meetings.

## 3. MINUTES OF 136<sup>TH</sup> MEETING OF EXECUTIVE COMMITTEE

### 3.1 RECEIPT OF MINUTES BY BUREAU

This item was for information only.

### 3.2 HIGHLIGHTS AND QUESTIONS ABOUT ITEMS NOT ON BUREAU AGENDA

Prof. Jin noted that the Executive Committee had agreed that the Agenda materials for meetings of the Executive Committee and the Bureau would be made available on the IUPAC web site after the meeting. Any confidential material would be removed. He also reported that the Executive Committee had approved the formation of a Committee on Chemical Research Funding as a Bureau Committee. A decision would be made at the next Bureau meeting on a proposal to create a new Standing Committee. This proposal, if approved by the Bureau, would then have to be approved by the Council at Glasgow.

Prof. Mahaffy asked if the proposal to assign each Elected Member as contact for a group of Associate National Adhering Organizations had been acted on.

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Prof. Henry replied that the Membership Relations Committee had taken responsibility for this action.

**4. ACTION ITEMS FROM PREVIOUS MEETINGS**

Prof. Jin reviewed the Action Items and asked for any updates on the status of the open items. Prof. Templeton and Prof. Senesi reported that Divisions VII and VI were writing new Division Rules.

**5. RECEIPT OF PROGRESS REPORTS FROM DIVISIONS AND STANDING COMMITTEES**

There were no additional comments for Divisions I, II, IV, and VI. The Division III report was not available for the meeting. Prof. Sydnes asked why the names of the DSM Award and the Polymer International Award did not include IUPAC's name. Prof. Ober replied that the report used abbreviated forms and that the official names of these Awards do include IUPAC. Prof. Templeton pointed out that Division VII had made a proposal for the creation of Emeritus Fellows. After a brief discussion, it was decided that this issue would best be considered by the Executive Committee at its meeting on Sunday. Dr. Fajgelj reported that Division V had met in Rome earlier in March. The Division Committee had appointed new Chairs for the Working Party on Harmonization and Division Subcommittees. The Division was also planning to create interest groups for various topics. Work had begun on creating links from the Orange Book to relevant definitions in the Gold Book. Dr. Moss reported that Division VIII had recently published a Recommendation on *Structure Representation Diagrams*.

Prof. Mahaffy noted the Committee on Chemistry Education's work on the proposed International Year of Chemistry, the Flying Chemist visit to the Philippines, work on building a strong connection to the Chemical Heritage Foundation, and improved links with the Divisions. Prof. Jin thanked Prof. Mahaffy and the Committee for their work on obtaining UNESCO endorsement of the proposed International Year of Chemistry. Dr. Cesa reported that the Committee on Chemistry and Industry continued to work more closely with Divisions. He also reported that the Committee had organized a workshop in Europe for industry representatives of National Adhering Organizations and Company Associates. Prof. Sydnes noted the successful CHEMRAWN XII - *The Role of Chemistry in Sustainable Agriculture and Human Well-being in Africa* held in Stellenbosch, South Africa. He also reported that the Committee had presented a project at the Malta III conference on water in the Middle East. The Committee's meeting would be held later this year at the XXVIII Latin American Chemistry Congress in Puerto Rico. The Committee planned to hold two half-day workshops at the Glasgow Congress.

**6. ITEMS FROM MEETING OF DIVISION PRESIDENTS**

Dr. Moss reported that the Division Presidents and Standing Committee Chairs had met the previous day. Considerable time was spent on a review by Dr. Jost of the Tutorial on IUPAC procedures of interest to Division Presidents and Standing Committee Chairs presented at Torino. The major item of business was the decision

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to include the Standing Committee Chairs who are members of the Bureau as regular participants in the Division Presidents meeting, including the Division Presidents only meeting held at the conclusion of the regular meeting. He then briefly noted the other items on the meeting Agenda. The meeting had discussed possible interactions with Wikipedia, especially with regard to the definitions in the Gold Book. It had been decided that the contacts made should be pursued. He commented that if the Divisions are to be involved in the planning for the International Year of Chemistry they need information as soon as possible. The group had also discussed the possibility of IUPAC sponsorship of a conference at a level less than the current conference sponsorship program. The group had also discussed the desirability of greater involvement of IUPAC in the International Chemistry Olympiad, possibly by means of an award to the mentors of the gold medal winners. Prof. Henry noted that IUPAC had recently signed an agreement with the IChO to provide USD 10 000 to support the participation of students from less developed countries. Prof. Tatsumi noted the need to transfer information to the Japanese organizers of the next IChO. Prof. Tundo reported that a Science Olympiad had been established in Italy with the first event to be held in 2008.

### 7. TASK FORCE TO REVISE STATUTES AND BYLAWS

Prof. Black reported that the Task Force met on 23 February and had prepared a revised set of Statutes and Bylaws. These are available in the Agenda Book. He noted that there were two versions of the revised Statutes and Bylaws in the Agenda Book, one with notes on the changes made and a clean set with the changes incorporated. He then reviewed the major changes; including a sentence giving the Standing Committee Chairs who are members of the Bureau a vote in the Bureau and the change in the notice period for changes in Statutes and Bylaws from ten and eight months, respectively, to six months.

The revised Statutes and Bylaws will be circulated to the NAOs after approval by the Bureau so that any comments from the NAOs can be considered in time to revise the Statutes and Bylaws and circulate them ten months before the Council meeting, that is, in mid-September 2008. He proposed that the NAOs be asked to provide comments by 31 July. He also suggested that the Bureau submit any comments by the same date.

Prof. Moss noted the need to send the request for comments to the NAOs as soon as possible as many have meetings of their National Committees in the second quarter. Prof. Henry noted that this represented the accomplishment of the final, unimplemented, recommendation of the Streamlining Task Force. Prof. Tarasova commented that the Bylaws contain detailed information about the operation of Divisions and Commissions but there is very little about Standing Committees. Prof. Black noted that each Standing Committee is governed by its own Standing Orders. The Bureau was asked to approve two of the following three motions.

**Motion 1:** *The Bureau approves the revised Statutes and Bylaws and recommends their approval by Council.*

**Motion 2:** *The Bureau approves the revised Statutes and Bylaws with the following*

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*changes and recommends their approval by Council. [No changes were proposed during the meeting.]*

**Motion 3:** *The Bureau delegates to the Executive Committee the responsibility to deal with any further changes arising from consideration by NAOs.*

The Bureau unanimously approved Motions 1 and 3.

### 8. INTERNATIONAL YEAR OF CHEMISTRY

#### 8.1 DESIGNATION BY THE UNITED NATIONS

Prof. Mahaffy reported that the Ethiopian Chemical Society has worked with their UNESCO delegation to place a recommendation for the United Nations to proclaim 2011 as an International Year of Chemistry on the agenda for the April 2008 UNESCO 179<sup>th</sup> Executive Board Meeting. Several other countries will also co-sponsor the recommendation. [The UNESCO Executive Board has approved the recommendation.] He noted that the Agenda Book contains various background documents, including the draft recommendation for the UNESCO Executive Board. Prof. Mahaffy asked the Bureau to consider how to proceed if the UNESCO Executive Board approves the recommendation. Should IUPAC proceed directly to the UN General Assembly in 2008 or wait for approval by the UNESCO General Meeting in 2009 and then ask for designation by the UN General Assembly in 2009? After some discussion, it was agreed that IUPAC should wait until after approval by the UNESCO General Meeting. It was also agreed that if the UN did not approve designation, IUPAC would proceed with a World Year of Chemistry. Prof. Penczek reported that he had met with the Foreign Affairs ministry of Poland as well as with the UN representative of Poland.

#### 8.2 MANAGEMENT AND PLANNING

Dr. Malin reported that an item of discussion at the 25-27 January 2008 CCE Strategy meeting at the Chemical Heritage Foundation in Philadelphia was the next steps that needed to be taken by IUPAC with respect to the International Year of Chemistry. Six issues formulated during this meeting, with recommendations for action, are set out in the memorandum in the Agenda Book. These Recommendations are reproduced below with the relevant discussion following each item.

- 1. That IUPAC view proposed International Year of Chemistry activities not as a discrete set of projects or as an endpoint, but as a key step in further building a sustainable leadership role for IUPAC to provide a credible voice on global matters related to science policy and the public understanding and appreciation of chemistry.*

The Bureau decided that there was no need to address these strategic issues at this time.

- 2. That IUPAC lead a global celebration of chemistry in 2011, regardless of the expected positive outcome of designation by UNESCO and/or the UN.*

It was noted that the Executive Committee had already endorsed this proposal

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and that the Bureau had agreed to this in Item 8.1.

3. *That the mandate, membership, budget and timeline of the International Year of Chemistry Management Committee be formalized as soon as possible, as the Project Task Group # 2007-011-1-050 has completed its mandate to “develop for IUPAC a plan to secure the designation by UNESCO of an International Year of Chemistry.” A report will come separately to the Bureau, detailing that plan, the progress that has been achieved and the continuing efforts to obtain designation. The proposed mandate of the management committee will be to work toward designation by UNESCO and the United Nations, and then coordinate the International Year of Chemistry. Further details about membership and timeline will be provided to the Bureau at its meeting.*
4. *That formal, “high level” consultation be initiated by IUPAC with UNESCO to explore the nature of such cooperation, including possible financial implications, as this may be relevant for UNESCO Executive Board and General Conference considerations of the designation. We note that leadership of the International Year of Physics was shared with UNESCO, which launched the year with a high profile event at the beginning of the year in Paris.*

Prof. Sydnes noted that IUPAC and UNESCO had signed a Memorandum of Understanding, which should cover cooperation in an activity such as the International Year of Chemistry. Prof. Henry noted that UNESCO had been invited to name a representative to the Management Committee. Prof. Black noted that the general responsibilities of the Management Committee had been defined by the Bureau at its meeting in Torino, Item 11 of the Minutes, and the Executive Committee had defined the initial membership at its meeting at Helsinki, Item 4.2 of the Minutes. Further definition of the Terms of Reference of the Committee would be based on proposals by the Committee. The Committee was also asked to provide a budget request using the normal project submission form. This would not include the budgets for any of the IYC events.

Prof. Klein asked if there was any industry representation on the Management Committee. Dr. Malin reported that invitations had been sent to the American Chemistry Council (ACC), the International Council of Chemistry Associations (ICCA), and the European Chemical Industry Council (CEFIC)

5. *That the Bureau consider at its 2008 meeting ways to fully utilize the 2009 IUPAC Council, General Assembly, Congress and WCLM meetings to push forward the objectives of the proposed International Year of Chemistry.*

Prof. Tundo urged the Management Committee to keep all the stakeholders, including the Bureau and the NAOs, fully informed as quickly as possible. The members of the Bureau were asked to send suggestions regarding this item directly to Dr. Malin.

6. *That a financial plan be drawn up and implemented to provide as soon as possible approximately one day a week of staff time for matters related to*

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*designation by UNESCO and the UN. Such activities will also lay the groundwork for building relationships with partners over IYOC activities. By September, 2008, one (1) full-time-equivalent person will be needed, allocated to communication and fund-raising activities. In view of Recommendation 1, we suggest that staffing in these two areas be continued beyond 2011.*

It was agreed that further discussion of this item would be best done by the Executive Committee.

### **9. IUPAC SPONSORSHIP OF THE MALTA CONFERENCES**

Prof. Henry reported that the Malta III conference had been held in Istanbul in mid December 2007. The participants in this conference and its predecessors have been uniformly enthusiastic about the value of the conference series. The next conference in the series is planned for Jordan in 2009 or 2010. Prof. Henry informed the Bureau that it was necessary for IUPAC to decide what role it wished to play in Malta IV. He suggested that there were four items to be considered.

1. Should IUPAC terminate sponsorship of this event?
2. Should IUPAC end its role as principal sponsor?
3. What amount of financial support should IUPAC provide? IUPAC provided USD 10 000 for Malta III.
4. How many IUPAC participants should attend the conference?

There was a brief discussion focusing on how to improve the scientific content of the conferences and on the specific accomplishments of the conference series. It was agreed that while there was some concern regarding the scientific value of the conference series, the political value of the conferences justified continued IUPAC involvement. The Executive Committee was asked to decide issues 2-4.

### **10. FUTURE GENERAL ASSEMBLIES AND CONGRESSES**

#### **10.1 45<sup>TH</sup> GENERAL ASSEMBLY AND 42<sup>ND</sup> CONGRESS (GLASGOW, 2009)**

Dr. Jost noted that as a result of the decision made by the Bureau at Torino to change the schedule of Bureau and Executive Committee meetings, the General Assembly schedule needed to be adjusted. While considering the revised GA schedule, the officers decided to make a number of other changes to improve the functioning of the GA. The schedule for the main meetings is given below. The Congress opening will be on Sunday, 2 August.



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Thursday, 30 July: Young Observers Briefing and Reception  
Friday & Saturday, 31 July – 1 August: Division Committee meetings  
Saturday (Eve), 1 August: President's Address and Members Reception  
Sunday & Monday: 2-3 August: Standing Committees  
Monday (PM), 3 August: Council Round Table Discussions  
Tuesday (PM), 4 August: WCLM  
Wednesday (AM & PM) & Thursday (AM), 5-6 August: Council meeting  
Wednesday (Eve), 5 August: Council Reception  
Thursday (12:30), 6 August: Bureau meeting (includes lunch)  
Thursday (14:00), 6 August: Executive Committee meeting.

Dr Jost reported that appointment letters had been sent to the members of the International Advisory Board; plans had been made for the publication of Congress information in *Chemistry International*; other plans for the Congress seem to be well in hand. The Executive Director will visit Glasgow immediately after the Bureau meeting to review plans with the organizers.

The Agenda Book includes a status report from the Congress organizers, as well as other material regarding the Congress.

### 10.2 46<sup>TH</sup> GENERAL ASSEMBLY AND 43<sup>RD</sup> CONGRESS (SAN JUAN, 2011)

Dr. Jost reported that the Puerto Rican organizers have begun work on the arrangements such as reserving space in the Congress Center and reserving hotel space. They have also set up a web site for the Congress, <<http://www.iupac2011.org>>.

Prof. Black noted that the time needed for advance planning of a Congress was in some cases more than the four years allowed by the IUPAC approval process. He proposed that in 2009 bids should be solicited for the 2013 and 2015 Congresses and General Assemblies. In subsequent years, this would mean that a site for the Congress and General Assembly would be approved six years in advance. The Bureau approved this proposal.

## 11. [12:05] FINANCIAL MATTERS

### 11.1 REPORT OF TREASURER

Prof. Corish 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. He also commented on the success of the concept of calculating National Subscriptions in national currencies in reducing exchange rate related payment problems for NAOs.

The Bureau took the occasion to thank Dr. Buxtorf for his outstanding stewardship of the Union's finances.

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### 11.2 REPORT OF FINANCE COMMITTEE

Prof. Corish reported that the IUPAC portfolio performed well in 2007 with an overall return of 9.7 %. Its value at 31 December 2007 was USD 5 861 427 split between USD, 71.5 %, and EUR, 28.5 %. These funds were divided between equities and bonds in a ratio of 32.9 % to 67.1 % as designated by a management decision by the Finance Committee in 2007. The Union's investment policy is to both generate current income and to maintain the real value of the Union's capital. The portfolio is increased by gains from investments but additional investments are occasionally made from operating income.

In response to a question regarding the Union's policy on Open Access, Dr. Jost noted that all issues of *Pure and Applied Chemistry*, other than the current volume and the immediately preceding volume, were freely available on the IUPAC web site.

### 11.3 STATEMENT OF ACCOUNTS FOR 2007

Dr. Jost reported that the onsite portion of the audit of the 2007 accounts was scheduled for the week of 14 April. The Agenda Book contains the most recent report from the accountant, through the third quarter of 2007. He commented that the report indicated that there were no areas of concern and that the accounts of the Union were expected to be on budget for the 2006-7 biennium.

Prof. Henry asked why the expenses for the Torino General Assembly were over budget. Dr. Jost replied that due to the significant increase in value of the Euro vs. the US dollar certain local expenses were significantly higher than expected. Prof. Henry observed that Division II had spent more than 50 % of its biennial budget on operations, as compared to the Treasurer's guideline of 30 %. He also noted that Division III had funded no projects for the biennium. Prof. Sydnes noted that while the accountant's report showed a significant deficit for the Zagreb workshop on Chemical Weapons, OPCW had made a payment at the end of 2007 that significantly reduced the deficit.

### 11.4 REVIEW OF BUDGETS FOR 2008-9

Dr. Jost noted that the approved budget was USD 2 936 100, income and expense, and there were small increases in most expense categories. The approved Total National Subscription represented an annual increase of 3 % from that for 2006-7. There are no changes to the budget as approved by Council at Torino. There was no discussion of this item.

### 11.5 NAO AND ANAO PAYMENT STATUS

Dr. Jost reported that invoices for 2008 had been issued to NAOs and ANAOs. The ANAOs had been reminded that they would lose their ANAO status at the end of 2009 and they had been encouraged to apply for NAO status at Glasgow. Statements expressing the intention to apply for NAO status have been received from, Malaysia, Thailand, and Sri Lanka. Of the sixteen current ANAOs, not including Cuba and Uruguay who have become NAOs, three have not paid their 2006 fees: Kenya, Mauritius, and Tanzania. In addition, four ANAOs have not

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paid their 2007 fees: Estonia, Mexico, Peru, and Singapore.

There was a brief discussion of the situation of Kenya, Mauritius, and Tanzania, with special mention made of the current political situation in Kenya and the fact that Mauritius would host the 20<sup>th</sup> International Conference on Chemical Education this August. The point was made that Kenya was in arrears not just for 2007 but also for 2006, while Mauritius had been chosen as the site of a major IUPAC conference as an exception to the requirement that such conferences should be held only in NAOs. Prof. Penczek offered to write to his personal contacts in Mauritius regarding this situation.

The following motion was made, seconded and unanimously approved.

**Motion:** *The ANAO status of Kenya, Mauritius, and Tanzania will be terminated if payment of the 2006 ANAO fees is not received by 1 May 2008.*

[Payment from Mauritius and Tanzania had not been received when these Minutes were completed, 4 June 2008.]

Dr. Jost noted that in addition to Argentina and Brazil, who are in arrears for 2005 and whose situation will be discussed below, one NAO, Belarus, has not paid its 2006 and 2007 National Subscriptions. In addition, six NAOs have not yet paid their 2007 National Subscriptions: Bulgaria, Chile, Egypt, Greece, South Africa, and Turkey.

The Executive Committee at its meeting in March 2007 approved sanctions for Argentina and Brazil. Argentina requested that it be allowed to change its status from NAO to ANAO and this request was approved by Council. The Council at Torino ratified the sanctions for Brazil imposed by the Executive Committee. The Executive Committee at Helsinki approved sanctions for Belarus. A letter was sent to Belarus informing them of this decision. The Sanctions Policy adopted by the Executive Committee and Bureau is given in the Agenda Book.

A motion to endorse the sanctions approved by the Executive Committee was moved, seconded, and unanimously approved.

*Action Item: Write to Kenya, Mauritius, and Tanzania to inform them of the Bureau's decision to terminate their ANAO status if payment of their fees in arrears is not received by 1 May 2008.*

### 11.6 STRATEGIC OPPORTUNITIES FUND DISCRETIONARY ALLOCATION

Prof. Black reviewed the background on the Strategic Opportunities Fund. The policy adopted by the Bureau for approval of projects funded from the Strategic Opportunities Fund requires review by the Project Committee with approval by the Executive Committee. The SOF incorporates unspent project funds, and replaces the former project reserve fund. The Secretary General and Treasurer proposed that a portion of the SOF be made available for contingency use after approval of a proposal by the Secretary General and Treasurer. The following motion was moved, seconded, and unanimously approved.

**Motion:** *Up to a maximum of twenty per cent of the SOF can be used to fund project contingencies on the combined decision of the Secretary General and*

*Treasurer.*

#### 11.7 RAISING ADDITIONAL FUNDS FOR IUPAC

Prof. Jin observed that IUPAC's funding comes from three major sources: National Subscriptions, publications, and investment income. Publications income is under long-term threat from the decline in institutional subscriptions to *Pure and Applied Chemistry*; investment income can be increased only slowly, if at all, through savings from current income; National Subscriptions are perceived to be a burden by many NAOs and increases at inflation or less are to be expected. The question then arises, are there any additional sources of income for IUPAC?

Prof. Jin suggested that a document that would assist in fund raising be written. He noted that IUPAC would celebrate its centennial in 2019 and proposed a goal of 100 NAOs by then.

Prof. Henry commented that while it was difficult to persuade companies to make unrestricted donations, contributions for a specific purpose, such as a prize were easier to justify. Suggestions were also made that funding for young chemists to attend conferences and support for less developed countries to become NAOs might be obtained from both companies and foundations. The point was made that there would be an active fund raising campaign for International Year of Chemistry events over the next three years and that this would interfere with a campaign to raise funds for IUPAC. Prof. Ober noted that such a campaign would be similar to that of a US university endowment fund campaign and should be tied to the Strategic Plan. He suggested that the centennial year of 2019 would provide a good focus for such a campaign and could be launched during the IYC.

## 12. PUBLICATIONS

### 12.1 STATUS REPORT ON *PURE AND APPLIED CHEMISTRY*

Dr. Jost noted that as this subject was covered at the recent Bureau meeting at Torino, only a brief summary would be given. The Agenda book contains an updated financial summary for *PAC*.

Dr. Jost commented that *PAC* continues to be a significant source of income for IUPAC despite the continued decrease of institutional subscribers. The report to the Bureau discussed a number of significant operational aspects regarding *PAC*, such as the implementation of reference linking through CrossRef.

Prof. Bull introduced his report on *PAC* by noting he did not view *PAC* as being in decline but in transition. His report summarized the trends in the content and the impact of *PAC* since the decision made to appoint a Scientific Editor and to actively control the content rather than relying on the individual conference editors. The impact factor of the journal has increased from 1.257 in 2000 to 1.920 in 2006 and its rank in the General Chemistry category is now 35<sup>th</sup> out of 124 journals as measured by Impact Factor and 16<sup>th</sup> as measured by Total Cites. He noted that many of the articles in *PAC* have a long citation life, that is, the

number of citations for articles more than five years old continues to increase each year. He observed that the journal now publishes the articles from most conferences in the calendar year following the conference, in many cases twelve months or less after the date of the conference. The online journal was now available from volume 21, 1970, and the remaining archival volumes were expected to be online by the end of 2008.

Prof. Bull summarized by saying that the quality and impact of *PAC* were both increasing and the expectation was that this improvement could be continued in the future.

#### 12.2 STATUS REPORT ON *CHEMISTRY INTERNATIONAL*

The Bureau congratulated Dr. Meyers on the excellent work she had done in transforming *Chemistry International* into a visually attractive news magazine with interesting content.

#### 12.3 BOOK PUBLICATION AND BOOK SALES

Dr. Jost reported that four books had been published in 2007 and four in 2006:  
**2007:** *Environmental Colloids and Particles: Behaviour, Separation and Characterisation*;  
*Thermodynamics, Solubility and Environmental Issues*;  
*Quantities, Units and Symbols in Physical Chemistry - The Green Book, 3rd edition*;  
*Biophysico-Chemical Processes of Heavy Metals and Metalloids in Soil Environments*  
**2006:** *Developments and Applications in Solubility*;  
*Combining and Reporting Analytical Results*;  
*Fundamental Toxicology*;  
*Chemistry for Water - CHEMRAWN XV Perspectives and Recommendations*.

The new *Blue Book* (Preferred Names) is tentatively scheduled to be published by the Royal Society of Chemistry in 2009.

### 13. CURRENT PROJECTS

#### 13.1 REPORT FROM PROJECT COMMITTEE

Prof. Powell reviewed the functions of the Project Committee. The Project Committee (PC) evaluates applications for funding of projects that are inter-divisional, projects that are too large to be fully-funded by a Division Committee or Standing Committee (say more than 10 % of the DC or STC budget), and projects supported by a Standing Committee that has no budget.

These project proposals can be received and evaluated at any time. The budget available to the PC (the Project Committee reserve) has been USD 110 000 in the past and current biennia. In 2006-7, some 93 % of the budget was committed to Projects.

From August to December 2007, four projects were funded. In 2008 to date, two projects have been funded (9 % of budget) and another project is under

consideration.

Prof. Powell emphasized that the Project Committee relied heavily on the review of the scientific content of projects submitted to it by the Divisions or Standing Committees. He urged the Divisions and Standing Committees to make every effort to provide helpful and complete reviews for submitted projects.

#### 13.2 PROJECT COMMITMENTS AND EXPENSE, PROJECT APPROVALS

Dr. Jost noted that three reports routinely provided to Division Presidents, Standing Committee Chairs, Task Group Chairs, and the IUPAC officers were included in the Agenda Book for the information of the Bureau. He observed that these are provided for information and would be discussed only in response to questions.

Prof. Jin urged the Division Presidents and Standing Committee Chairs to examine carefully those projects that are overdue with no expenditures. Prof. Henry commented on the need for the Secretariat to begin sending letters to Divisions and Standing Committees asking them to either justify the continuation of such projects or terminate them.

#### 14. REPORT FROM EVALUATION COMMITTEE

Prof. Weir reported that the Evaluation Committee (EvC) was evaluating 20 projects completed during the period from May 2005 to December 2005. The protocols used for the report to the Bureau at the Torino meeting during summer 2007 proved to be successful and are being adopted for the new evaluations along with the helpful suggestions received from some Bureau members.

The 20 projects fall into six categories, namely Recommendations (1), Technical Reports (3), IUPAC Policy/Strategy Documents (5), Nomenclature (1), Reference Data (6), Book (1), Courses/Workshops (3). As part of the preparation for the meeting of the EvC in Istanbul, extensive (but incomplete) statistics and key parameters have been assembled for Committee members to assess. At the meeting on Friday, the EvC reviewed the outcomes of the 20 projects against the IUPAC Strategic Plan, had discussions with some Division Presidents and mapped the course of action in preparation for the final report to the Bureau in 2009 and the Council in Glasgow.

There was no discussion of this item.

#### 15. DISCOVERY AND NAMING OF NEW ELEMENTS

Prof. Black reported that the Joint Working Party had 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. Corish reported that the report on the element of atomic number 112 had been written and had been circulated to the laboratories concerned. The JWP has scheduled a meeting in May to review the comments on the draft

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report and to plan the work on the elements of atomic number greater than 112. After their comments have been taken into account, the Executive Committees of IUPAC and IUPAP will review the report. If both Unions approve the report, it will be reviewed by ICTNS prior to publication in *PAC* as a Technical Report. After approval of the report for publication, the Inorganic Chemistry Division will request the group named as the discoverer of element 112 to suggest a name and symbol for the element. A Recommendation will be made available for Public Comment and will then be brought to the Bureau or Council, whichever meets at the appropriate time, for approval. The Recommendation will then be published in *PAC*. Please recall that Council approved a motion to delegate to the Bureau the approval of a name for element 112 if there is no controversy regarding the assignment of priority of discovery or regarding the proposed name after the public comment period.

Prof. Black commented that the selection of the ten members of the panel from which members of future Joint Working Parties could be selected was under way. There was no discussion of this item.

### 16. FELLOWS AND AFFILIATE MEMBERSHIP PROGRAMS

Dr. Jost noted that as this subject was covered at the recent Bureau meeting at Torino, only a brief summary would be given. The Agenda book contains an updated financial summary for the AMP and *Chemistry International*.

He noted that there were no significant changes in the operation of the Fellows program or in the AMP in 2006 or 2007. The current number of Fellows in our database is 1495. New Fellows receive a letter signed by the President informing them of their new status.

The number of Affiliates increased from 2001 to 2002 and decreased in 2003 and again in 2004 followed by a small increase in 2005 and a larger decrease in 2006. The Secretariat continues to look at ways to encourage NAOs and chemical societies to better promote the AMP.

The suggestion was made that it might be possible to use the centennial of the formation of the International Association of Chemical Societies in 2011 to promote the AMP. There was some discussion of the Fellows program. The suggestion was made that the letters to new Fellows could be made more personal and that instead of, or in addition to, the letter a certificate more suitable for framing be sent.

*Action Item: Design Fellows certificate.*

### 17. STATUS REPORT ON IUPAC SECRETARIAT

Dr. Jost noted that the report in the Agenda Book is identical to that provided for the Bureau meeting and was reproduced here as background for any discussion. The report provides a summary of the job descriptions of the Secretariat Staff, the Memorandum of Understanding signed with Fachinformationszentrum für die Chemie Berlin and its implications for the Secretariat, the use of Google Groups to assess the utility of this service to IUPAC bodies, and the departure in 2007 of Mrs. Erin Carter from the Secretariat staff. He also noted that Dr. Meyer's title was incorrect in the report and should read Associate Director.

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The Bureau expressed its appreciation of the work of the Secretariat and asked the Executive Director to convey its thanks to the staff for its excellent work in support of the Union.

### **18. IUPAC WEB SITE AND OTHER PUBLICITY ABOUT THE UNION**

Dr. Jost noted that the major event regarding the web site is the conversion of the existing site to one based on XML technology. The implications of this change in the short term are that significant functionality has been lost and it will be some time, perhaps months, before most aspects of the site are fully functional. While this transition period will last for at least the early part of 2008, the web developers felt it was better to make the new site public rather than continuing to work on a test site. Their judgment is that development of the test site had reached the point that only by placing the site in use could further progress be made.

Dr. Meyers reported that this decision meant that information regarding new projects had not been incorporated into the new site and that it was not clear when the site would become current with respect to projects. Her prognosis was that it would be some time before she would be in a position to provide the same rapid response using the new site as had been possible on the old. There were a number of comments regarding the favorable impression given by the new site. Dr. Meyers pointed out that the change in the underlying infrastructure of the site did not yet address the concerns regarding ease of navigation and the need to address the requirements of both IUPAC members and the public. These concerns would be addressed, to some extent, by work that is currently being done to design a new main page as well as improvements in the internal navigation of the site. The suggestion was made that the address block on the individual member pages should contain separate Country and NAO fields to take into account the fact that some members have a country of residence different from their NAO.

Dr. Jost reported that Discussion Boards for Divisions and Standing Committees are being set up on the IUPAC web site with the help of FIZ Chemie staff. This addresses a long-standing request of Divisions and Standing Committees. New Discussion Boards would replace the existing Google Groups for the Bureau, EC, and DPs/STCCs.

Dr. Jost reported that the mini Handbook for 2008-9 would be printed and distributed by the end of March. He also noted that a first draft of the 2006-7 Biennial Report had been written and it was expected that the report would be printed and distributed before the end of May.

The suggestion was made that IUPAC should seek to be represented at national chemistry society meetings. Prof. Henry commented that this was best handled by the National Committee for IUPAC and proposed that IUPAC should urge all NAOs that have not established a National Committee to do so. The Secretariat was asked to write to the NAOs to suggest that they should arrange for IUPAC to be represented at their national chemical society meeting. Dr. Fajgelj suggested that more use could be made of national chemistry magazines. Dr. Moss noted that it was important to maintain contact with the nomenclature and terminology committees of national chemical societies in order to promote the use of IUPAC nomenclature and



terminology.

*Action Item: Secretariat to write to NAOs regarding IUPAC representation at national chemical society meetings.*

## **19. IUPAC PRIZES FOR YOUNG SCIENTISTS 2008**

Prof. Henry reported that the Prize Committee had reviewed applications from 42 young scientists. The Committee has selected the five Prize Winners and is considering making up to four Honorable Mention Awards. Prof. Henry stated that a decision would be made within the next day.

## **20. CONFERENCES AND SYMPOSIA**

### **20.1 SUPPORT FOR CONFERENCES IN SCIENTIFICALLY EMERGING REGIONS AND CONFERENCES ON NEW DIRECTIONS IN CHEMISTRY**

Prof. Powell noted that the Project Committee reviews applications for financial support for Conferences in Scientifically Emerging Regions and for Conferences in New Directions in Chemistry. The biennial budget is USD 65 000. In 2006-7 commitments were made to 11 Conferences (four since August 2007) and amounted to a total of USD 61 550. The call for applications, and the review process, is on a 6-month cycle. Prof. Powell urged the Divisions and Standing Committees to take advantage of the opportunities available in these programs, especially the program of support for Conferences in New Directions in Chemistry. He commented that this area receives very few applications. Dr. Jost noted that applications for both programs must come from a Division or Standing Committee.

Prof. Penczek briefly described how Division IV handles conference approvals, including applications for financial support as well as non-financial sponsorship. He reported that the Division has assigned a member of the Division Committee to actively solicit applications for IUPAC sponsorship.

### **20.2 RATIFICATION OF SPONSORSHIP OF SYMPOSIA**

Dr. Jost noted that the sponsorships approved since the meeting of the Executive Committee at Helsinki were listed in the Agenda Book. A motion was moved, seconded and unanimously approved to ratify the sponsorships granted to these conferences.

## **21. DATES AND PLACE OF NEXT BUREAU MEETING**

Dr. Jost reminded the Bureau that in the new schedule of meetings, the Bureau meets late in the first or early in the second quarter of the year. The Council Agenda must be sent to the NAOs four months before the Council meeting, which would be 5 April 2009. A date for the Bureau meeting soon after 5 April would seem to be appropriate. The first weekend after 5 April is 11-12 April, however 12 April is Easter Sunday. The following weekend would be 18-19 April.

Dr. Jost then noted that the Agenda Book contains a list of NAOs where there has never been a Bureau or Executive Committee meeting. If the NAOs admitted at

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Beijing (2005) and Torino (2007) are excluded, there are ten NAOs that have never hosted an IUPAC Bureau or Executive Committee meeting: Brazil, Bulgaria, Chile, China/Taipei, Croatia, Egypt, Kuwait, Pakistan, Serbia, and Slovakia. He then commented that for cost reasons, meetings of the Bureau are usually held in Europe or North America.

Prof. Jin proposed that the Croatian Chemical Society be asked to host the Bureau meeting on 18-19 April 2009. The Bureau unanimously approved this proposal and the Executive Director was requested to approach the Croatian Chemical Society and to determine if they were willing to host the Bureau meeting.

*Action Item: Executive Director to write to the Croatian Chemical Society to determine if they are willing to host the Bureau meeting.*

### **22. ANY OTHER BUSINESS**

There was no other business.

Prof. Jin thanked the participants for their useful comments and for their help in keeping to the schedule. He reminded the members of the Executive Committee that there would be a meeting at 9:00 on Sunday.