

International Union of Pure and Applied Chemistry

81st MEETING OF BUREAU

Beijing, China, 17-18 August 2005

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International Union of Pure and Applied Chemistry

81st MEETING OF BUREAU

Beijing, China, 17-18 August 2005

MINUTES

Attendees: Prof. L. K. Sydnes, Chairman, Prof. P. W. Atkins, Prof. C. Bai, Prof. D. StC. Black, Dr. C. F. Buxtorf, Prof. S. Chandrasekaran, Prof. P. Erhardt, Dr. D. A. Evans, Prof. R. G. Gilbert, Prof. B. R. Henry, Prof. M. Isobe, Dr. A. Kallner, Prof. W. Klein, Dr. J. Malin, Dr. A. D. McNaught, Prof. N. J. Moreau, Prof. O. M. Nefedov, Prof. H. K. J. Powell, Dr. K. Racke, Dr. A. Smith, Prof. G. Somsen, Prof. R. F. T. Stepto, Prof. P. S. Steyn, Prof. R. Weir, Prof. A. West

Absent: Dr. E. P. Przybylowicz

Guests: Dr. F. Meyers

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

1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Sydnes welcomed the members of the Bureau and thanked the Chinese Chemical Society for their hospitality. There were no changes proposed to the Agenda.

Prof. Somsen noted that while the NAOs had been asked to provide nominations for candidates for Division and Standing Committees, they had not been informed of the decisions of the Division and Standing Committees on these nominations.

Dr. McNaught noted that this subject had been discussed at the meeting of Division Presidents. Prof. Black suggested that this subject be discussed as part of Item 21.

2. MINUTES OF 80TH MEETING OF BUREAU

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

There were no matters arising. The Minutes of the previous Bureau meeting had been approved by correspondence.

3. MINUTES OF 132ND MEETING OF EXECUTIVE COMMITTEE

3.1 RECEIPT OF MINUTES BY BUREAU

The Minutes of the Executive Committee meeting had been approved by correspondence.

3.2 HIGHLIGHTS AND QUESTIONS ABOUT ITEMS NOT ON BUREAU AGENDA

Prof. Somsen noted that it was now eight years since the Secretariat had been moved from Oxford to Research Triangle Park and suggested the Executive Committee should review the question of the future location of the Secretariat. While he was not advocating a move, he reminded the Bureau that at the time the decision was made to move the Secretariat it was agreed that this question should be reviewed after ten years.

Prof. Atkins proposed that the last two sentences in the first paragraph of Item 6.3 of the minutes of the Executive Committee Minutes, which read, "The

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discussions of the Committee had been inconclusive. As a result, a small group met on Friday before the Executive Committee meeting to review the situation and make recommendations to the Executive Committee.”, be revised to delete the first sentence plus the phrase “As a result”. He felt that the minute as it stood misrepresented what occurred at Bled. Prof. Sydnes observed that the issue had been difficult to resolve at Bled and that the subsequent discussions of the ad hoc group had not led to a definite result. Prof. Henry commented that he viewed the result of the discussions at Bled differently. He had drawn the conclusion that planning for the World Chemistry Leadership Meeting should start earlier and might require a face-to-face meeting of the planning group. The Bureau agreed to ask the Executive Director to revise the Minutes as proposed.

4. ACTION ITEMS FROM PREVIOUS MEETINGS

This item was presented for information only.

5. APPROVAL OF BASIC ELEMENTS FOR COUNCIL MEETING

5.1 ASSIGNMENT OF VOTES TO DELEGATIONS IN COUNCIL AT BEIJING

This item was presented for information only.

5.2 APPOINTMENT OF TELLERS

Prof. Black proposed that Dr. Langer and Prof. Gopalan, the non-voting Secretaries of the UK and Indian delegations respectively, be appointed as tellers. The Bureau approved this proposal.

5.3 SETTING TIME OF ELECTIONS

The time of the Council elections was set at 10:00 Sunday, 21 August.

5.4 GUIDELINES FOR DEBATE

This item was presented for information only.

6. NOMINATIONS AND ELECTIONS [COUNCIL ITEM 4]

6.1 NOMINATIONS FOR OFFICERS AND BUREAU SUBMITTED BY NAOS

This item was presented for information only.

6.2 NUMBER OF ELECTED MEMBERS OF BUREAU FOR 2006-7

The Bureau agreed that the number of Elected Members should remain at ten.

6.3 NOMINATIONS BY BUREAU, IF ANY

There were no nominations proposed by the Bureau for Vice President or Elected Members of the Bureau.

7. PRESIDENT’S STATE OF THE UNION REPORT [COUNCIL ITEM 6]

Prof. Sydnes reviewed his report, focusing on the conclusions and recommendations.

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The complete report can be found on the IUPAC web site at: http://www.iupac.org/symposia/conferences/ga05/council_agenda.html. He noted that his report discussed the importance of communication with NAOs as well as receiving feedback from them; the uncertain value to date of the Union Advisory Committee as a means of improving communication with the NAOs; the value of *Chemistry International* and *e-news* as a means of communication with all of the Union's stakeholders, including the global chemistry community; the importance of sponsored conferences as a means of making IUPAC known to the wider chemical community; the increasing significance of the IUPAC Prizes and IUPAC Poster Prizes.

Prof. Moreau noted the need to have greater involvement of General Assembly participants in the Congress. There was a general discussion of this subject. It was noted that this had been discussed at the Division Presidents meeting. While the nature of the GA schedule made it difficult for Officers, Division Presidents, and Standing Committee Chairmen to participate in the Congress, most of the members of Committees and other IUPAC bodies had more time available if they chose to participate in the Congress. It was suggested that the nature of the Congress made it unlikely that very many of the GA participants would find sessions of interest. The possibility of requiring TMs to register for the Congress or at least strongly urging them to do so was also discussed.

8. RECEIPT OF WRITTEN REPORTS FROM DIVISIONS AND STANDING COMMITTEES

The full text of the reports to Council by the Division Presidents and Standing Committee Chairmen can be found on the IUPAC web site at: http://www.iupac.org/symposia/conferences/ga05/council_agenda.html. The reports will not be summarized in these Minutes; rather a summary of the discussion of the reports will be given.

The discussion of the report of Division I focused on the progress being made in the publication of the third edition of the Green Book. This is now expected to be available for review by ICTNS early in 2006 and publication later in the year. It was noted that CPEP had recommended that the second edition be reprinted in order to satisfy the continuing demand for copies. There was some discussion of the 60-member Advisory Subcommittee. Prof. Weir reported that the Subcommittee had been a valuable source of advice, especially on proposed projects. He also noted that he planned to reduce the size of the Advisory Subcommittee to 40.

Prof. West reported orally as he had been unable to provide a written report. The Division election had not yet been held due to communication problems with the Nominating Committee. The election was now planned for September. He noted that while the work on atomic weights and isotopic abundances continued to make excellent progress, work in the other major areas of the Division had not progressed satisfactorily. No work had been initiated in the molecules area and the materials area had only moderate activity. He reported that significant progress had been made at the recent meeting of the Division Committee. Six Young Observers had participated and most of them had made significant contributions to the initiation of new projects. Three new projects had been developed on molecules and materials. More

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involvement of materials chemists was necessary in order to develop more projects in this area. Prof. West also reported that a Glossary on nanotechnology had been proposed. He discussed the possible need for a seventh AM position on the Division Committee. After some discussion, the Bureau asked that the Division election be held first and then the Executive Committee could consider a request for an additional AM.

Prof. Isobe noted that the Division sponsored three major conferences, ICOS, OMCOS and Natural Products/Biodiversity. The IUPAC-Thieme prize is a feature of the ICOS conference. He reported that several new projects had been generated at the Division Committee meeting. He then noted that there had been problems with the Division elections and new elections would be held in September.

Prof. Stepto noted that his Division had created two new Subcommittees, on Structure and Properties of Commercial Polymers and the Modeling of Polymerization Kinetics and Processes, to foster projects in these areas. He reported that the Division had committed all its project funds and had received funding for additional projects from the Division Reserve.

Prof. Powell noted that the Division Committee meeting had focused on strategy. The Division Committee had designated priority areas and teams that would be responsible for each priority area. He reported that a plan to transfer responsibility for the Stability Constants Database from Academic Software to IUPAC was still being developed.

Dr. Racke reported on the efforts of the Division to reinvigorate the Food Chemistry area. He noted that a successful interdivisional workshop had been held during this GA in order to develop plans for work in this area.

Prof. Erhardt reported that negotiations had been successfully concluded with the Richter Company to establish an IUPAC-Richter Prize in Medicinal Chemistry. He noted that work was underway to update the C-NPU database and to write a second edition of the book *Fundamentals of Toxicology for Chemists*.

Dr. McNaught reported that InChI had been successfully launched and the algorithm was already in wide use. The revised Red Book was planned for publication in November while the revised Blue Book was expected to be published early in 2007. A major recommendation on the numbering of fullerenes had been published in *PAC* and a recommendation on Graphical Representation was being reviewed by ICTNS.

Dr. Malin commented that the focus of CHEMRAWN had been defined as how technology can bring people together. He then noted that the requirement that IUPAC sponsored conferences be held in countries with National Adhering Organizations posed a hardship for CHEMRAWN since many CHEMRAWN conferences focused on issues of importance to developing countries and these countries were often not IUPAC NAOs. There was a general discussion of how best to address this issue. It was suggested that all CHEMRAWN conferences to be held in countries that were not NAOs apply for funding from the Project Committee as conferences in scientifically emerging countries. After further discussion it was proposed that CHEMRAWN conferences could be held in countries defined as least developed by the United Nations Conference on Trade and Development (UNCTAD) (see list in Appendix 1). Prof. Atkins proposed that the motion be amended to include the

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International Conference on Chemical Education. The amendment was approved, as was the amended motion.

Dr. Evans reported that at the COCI meeting projects on nanotechnology and responsible care had been initiated. He reported on the efforts of the Committee to work with the NAOs to recruit new Company Associates. He noted that this is a responsibility of the NAOs but most of them are inactive in this area.

Prof. Atkins reported that he had visited Division Committee meetings during the General Assembly to find joint projects. A Division Liaison has been named by the Committee to follow up the ideas generated during these visits. He noted that the Subcommittee on the Public Understanding of Chemistry had held a workshop during the GA to define a niche for IUPAC in this area. He reported on the successful inauguration of the "Flying Chemist" project with visits to India and Sri Lanka. The recent workshop on education of chemists on the Chemical Weapons Convention had been very successful. A report was being prepared for publication, as was a recommendation for a code of conduct for chemists. Prof. Atkins noted that a follow up project or projects were being developed in cooperation with the OPCW. He reported that it had been difficult to determine if DIDAC is actually being used extensively. The next ICCE would be held in Seoul in 2006 with Mauritius a suggested site for 2008, although the current rules would not allow Mauritius as a site.

Prof. Somsen reported that the Project Committee had decided to review applications for conference support every six months in order to ensure decisions could be made on a competitive basis. He also noted that the requirement that applications be made one year in advance would be strictly enforced.

Prof. Gilbert reported that the data gathering for projects to be evaluated seemed inadequate. Possible solutions to this problem had been discussed at the Committee meeting earlier in the week. He noted that evaluation of conferences would be deferred until the next biennium.

9. VICE PRESIDENT'S CRITICAL ASSESSMENT [COUNCIL ITEM 11]

Prof. Henry presented an outline of his report, available at:
http://www.iupac.org/news/archives/2005/vpca_henry.html.

Dr. Buxtorf commented that priority setting would become more important as money becomes tighter in the future. There was a general discussion of the possibility of funding from industry for IUPAC projects. It was noted that while this can be done, the groundwork for obtaining industry funding must be done by the local organization, that is, the NAO. The comment was made that while IUPAC is publicizing its work better, it needs to listen more to its customers and answer their questions. It was also noted that funding is available not only from industry but from sources such as international organizations. The successful cooperation with the OPCW was noted in this connection. It was noted that Dr. Hayes had tried unsuccessfully for six years to generate greater industry involvement with IUPAC.

Prof. Nefedov suggested that Prof. Henry in his report to Council should point out that subcommittees perform a different function than the former Commissions.

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Prof. Somsen commented that he had been present at the birth of the project system at the CPEC (Committee on Project Evaluation Criteria) meeting at Oxford and was gratified to see that it was now operating so successfully.

10. PROPOSAL TO REPLACE EXECUTIVE COMMITTEE AND BUREAU WITH AN EXECUTIVE BOARD [COUNCIL ITEM 12]

Prof. Sydnes reviewed the background of the Motion to be voted on by Council, especially the creation of the Union Advisory Committee. He noted that the issue of the Executive Board had been discussed at Ottawa and that a decision had been postponed until there had been sufficient time for the NAOs to familiarize themselves with the proposal. The motion on the Council agenda had been phrased to ask for a vote on the proposal from the Governance Structure Committee, not a discussion of alternatives.

There was a general discussion of the proposal. The proposed change in structure was based on the expectation that the new structure would simplify and clarify decision-making. The disadvantage seen by many of the members of the Bureau was the disenfranchisement of the Division Presidents, and it was felt that the benefits of representation outweighed the benefits of efficiency offered by the new structure. The motion to recommend approval of the Council Motion was voted on with the following result: yes: 4, no: 16, abstain: 2.

Prof. Henry noted that if the Motion to form an Executive Board was not approved by Council he would propose the creation of an ad hoc committee to revise the Bylaws and a second ad hoc committee to examine ways to improve the operational efficiency of IUPAC governance. The Bureau noted that the Committee charged with revising the Bylaws should consider making the three operating Standing Committee Chairmen voting members of the Bureau.

11. FINANCIAL MATTERS TO BE ADDRESSED IN COUNCIL

11.1 REPORT OF TREASURER [COUNCIL ITEM 13.1]

Dr. Buxtorf briefly reviewed his report. He noted that the Union's reserves were adequate. He commented that there was a problem with NAOs in arrears, which would be discussed in Item 12.

11.2 REPORT OF FINANCE COMMITTEE [COUNCIL ITEM 13.2]

Dr. Buxtorf presented the report on the Union's investments in the absence of Dr. Przybylowicz. He noted that the performance of the Union's portfolio had been good in a difficult investment climate. There were no questions.

Prof. Somsen suggested that the Bureau send a letter of appreciation to Dr. Przybylowicz on the occasion of his retirement as Chairman of the Finance Committee.

11.3 RECOMMENDATION ON APPOINTMENT OF AUDITORS FOR 2005-6 [COUNCIL ITEM 13.4]

The Bureau approved a motion to recommend to Council that Batchelor, Tillery & Roberts, LLP, of Raleigh, North Carolina, USA be appointed as IUPAC

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Auditors for 2005 and 2006.

11.4 STATEMENT OF ACCOUNTS FOR 2003 AND 2004 [COUNCIL ITEM 13.3]

There was no discussion of this item.

11.5 RECOMMENDED BUDGETS FOR 2006-7 [COUNCIL ITEM 14.1]

The Bureau approved a motion to recommend to Council the approval of the proposed budget for 2006-7.

11.6 RECOMMENDED NATIONAL SUBSCRIPTIONS FOR 2006-7 [COUNCIL ITEM 14.2]

The Bureau approved a motion to recommend to Council the approval of the proposed National Subscriptions for 2006-7.

11.7 ALLOCATIONS TO IUPAC BODIES, 2006-7 [COUNCIL ITEM 14.1]

There was no discussion of this item.

12. NATIONAL ADHERING ORGANIZATIONS IN ARREARS [COUNCIL ITEM 15]

Dr. Buxtorf reviewed the situation. He reported that Argentina and Chile were seriously in arrears while Portugal and Egypt were less seriously in arrears. The Bureau approved a recommendation to Council that the Council Motion regarding suspension of NAOs in arrears be approved.

13. APPLICATIONS FOR NATIONAL ADHERING ORGANIZATION STATUS [COUNCIL ITEM 16]

Dr. Jost reported that an application had been received from Belarus after the Agenda materials had been distributed. The Bureau approved a Motion to recommend that Council approve the membership of the following organizations:

The Caribbean Academy of Sciences – Jamaica Chapter;

The Jordanian Chemical Society;

The National Academy of Sciences of Ukraine;

The National Academy of Sciences of Belarus.

14. OPERATION OF THE UNION ADVISORY COMMITTEE

Prof. Sydnes reviewed the operation of the Union Advisory Committee, noting that three matters had been referred to the UAC in the current biennium. There was then a general discussion of the operation and purpose of the UAC. It was noted that no matters had been referred to the UAC for the last 10 months. The comment was made that the success of the UAC depends on the ability of the Bureau and Executive Committee to use it. It was also noted that while no matters had been referred to the UAC recently, information regarding the Council and Bureau agendas had been distributed. Some UAC members have communicated with the officers individually, not in response to a specific request for comments.

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15. STATUS AND FEES FOR ASSOCIATE NATIONAL ADHERING ORGANIZATIONS

Prof. Henry reviewed his proposal to limit Associate National Adhering Organization status to four years and to increase the fee paid to USD 500. He commented that if the Bureau did not approve this proposal, it would not go to Council. During the discussion two points were clarified: the beginning of the four year period for current members would be 1 January 2006 and once the four year period had been reached there was no possibility of return to ANAO status at a later date. The two proposals were voted on as separate motions. The first motion was approved with 16 yes, 4 no, and 1 abstain. Prof. Sydnese moved that the amount of the fee proposed be reduced to USD 250, this amendment was approved. The motion to increase the ANAO fee to USD 250 was then approved with 20 yes and 1 abstain.

16. IUPAC PRIZE FOR YOUNG SCIENTISTS 2005

Prof. Steyn noted that the IUPAC Prize continues to be a successful program. There were 60 applicants for the 2005 Prize from 22 countries. He proposed that in future the Prize Committee include a distinguished outside scientist. Prof. Nefedov noted that two of the four winners had received their degrees from US universities and suggested that efforts be made to have a wider distribution of Prize Winners.

17. ORGANIZATIONAL CHANGES IN EXISTING IUPAC BODIES, PROPOSALS FOR NEW AND RECONSTITUTED BODIES/TERMS OF REFERENCE [COUNCIL ITEM 18]

17.1 NEW DIVISION RULES

Dr. Jost noted that one of the points in the rules of Division VIII needed to be corrected; the number of National Representatives should be changed from ten to six. While the Bureau had for the past two biennia allowed Division Committees to have ten National Representatives, the IUPAC Bylaws specified six members. The Bureau recommended approval of the proposed Division Rules for Divisions I, II, III, and VII.

17.2 STANDING ORDER AND MEMBERSHIP OF EDITORIAL ADVISORY BOARD OF *PAC*

After a brief discussion the Bureau approved a recommendation to Council that the Standing Order and Membership of the Editorial Advisory Board of *Pure and Applied Chemistry* be approved.

18. APPROVAL OF OFFICERS AND MEMBERS OF DIVISION COMMITTEES

Prof. Somsen asked that a review of Division election procedures should be prepared for the next Bureau meeting.

Prof. Weir requested that Prof. Frey be allowed to serve an additional Term as a Titular Member of the Division Committee. This request was approved. The Memberships of Divisions V, VII and VIII were complete and were approved. The Titular Members for Division I, IV, and VI were approved, the names of all the Associate Members and National Representatives of these three Divisions were not yet available and approval of these appointments was delegated to the Executive

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Committee. The elections for Titular Members by Division II and III would be held after the General Assembly and the approval of the membership of these Division Committees was delegated to the Executive Committee.

19. FUTURE GENERAL ASSEMBLIES AND CONGRESSES

19.1 44TH GENERAL ASSEMBLY AND 41ST CONGRESS (TORINO, 2007) [COUNCIL ITEM 20]

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

Prof. Nefedov proposed that members of IUPAC bodies be encouraged to present posters at the Congress on their IUPAC activities.

19.2 APPROVAL OF DATES AND SITES OF 45TH GENERAL ASSEMBLY AND 42ND CONGRESS (2009) [COUNCIL ITEM 21]

Prof. Atkins presented the planned scientific program for the proposal from the Royal Society of Chemistry to host the General Assembly and Congress in Glasgow, Scotland (General Assembly: 1-9 August 2009; Congress: 2-7 August 2009). The invitation from the Royal Society of Chemistry can be found on the RSC web site at:

<http://www.rsc.org/ConferencesAndEvents/RSCConferences/IUPAC2009/>.

Prof. Atkins noted that while the proposal for the Congress envisaged incorporation of a number of planned specialist meetings normally organized by the RSC, the Congress would not be a joint meeting. Prof. Atkins emphasized the part of the proposal that addressed policy issues and noted that this innovation was intended to use the occasion of the IUPAC Congress as a means of drawing attention to chemistry related policy issues.

The Bureau unanimously recommended to Council approval of the proposal for the dates and location of the General Assembly and Congress for 2009 by the Royal Society of Chemistry.

20. WORLD CHEMISTRY LEADERSHIP MEETING

Prof. Henry reviewed the agenda for the meeting and invited the members of the Bureau to participate in the meeting.

21. ITEMS FROM MEETING OF DIVISION PRESIDENTS

Dr McNaught reported that the Division Presidents wished to clarify the definition of the Division Electorate agreed at the 2004 Bureau meeting in Bled: “to include subcommittees or advisory committees if desired by the Division”. In particular, the status of commission members was not clear. The Division Presidents now recommended that the Division Electorate should include all subcommittees and/or all commissions as decided by the Division Committee in advance of the elections.

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The Bureau approved this proposal.

Dr. McNaught then reported that there had been concern raised by some NAOs regarding notification of their nominees that they had not been selected as candidates in the election of Titular Members. After some discussion it was agreed that communication on this subject was the responsibility of the Division Committee. However, the Secretariat was asked to emphasize in the material sent to NAOs that no final decisions on the composition of Division and Standing Committees would be available until after the General Assembly.

22. OTHER FINANCIAL MATTERS

22.1 FINANCE COMMITTEE MEMBERSHIP

The Bureau noted that Dr. H.-L. Senti had agreed to serve as Chairman of the Finance Committee for 2006-7 and that a suitable candidate had been found to replace Dr. Przybylowicz on the Committee but that this appointment had not yet been made. The Bureau again expressed its great appreciation of the work done by Dr. Przybylowicz as both a member of the Bureau and as Chairman of the Finance Committee.

22.2 NAO AND ANAO PAYMENT STATUS

This item was discussed under Item 11.5

23. CONFERENCES AND SYMPOSIA

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

This item was discussed under Item 8 as part of the report of the Project Committee.

23.2 RATIFICATION OF SPONSORSHIP OF SYMPOSIA

The granting of sponsorship to the conferences listed in the Agenda Book was approved.

Prof. West raised the issue of funding for payment of the expenses of the IUPAC representative to a conference. Prof. Black commented that in general IUPAC representatives should be chosen from among members of the sponsoring Division who were already attending the conference using other funding. While the use of Division funds to partially support the expenses of the IUPAC Representative was possible, it was not encouraged. Discussion reinforced the principle that the primary consideration in approving sponsorship should be the quality of the conference, not the selection of an IUPAC Representative.

24. PUBLICATIONS

24.1 STATUS REPORT ON *PURE AND APPLIED CHEMISTRY*

There was no discussion of this item.

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24.2 STATUS REPORT ON *CHEMISTRY INTERNATIONAL*

There was no discussion of this item. The Bureau expressed its appreciation of the excellent work of Dr. Meyers in making *Chemistry International* both attractive and interesting.

24.3 BOOK PUBLICATION AND BOOK SALES

There was no discussion of this item.

24.4 APPROVAL OF *PAC* AND *CI* SUBSCRIPTION RATES FOR 2006

Prof. Glasser noted that the back issues of *PAC* were now available through 1989. He then asked the Bureau to approve an increase in the institutional subscription rate for *PAC* from USD 1500 to USD 1600 for 2006 and an increase in the single copy rate from USD 150 to USD 160. All other rates would remain the same. The increase in the institutional subscription rate is necessary to maintain the revenue from *PAC* in the face of declining numbers of subscribers. The Bureau approved the new rates.

25. CURRENT PROJECTS

This item was presented for information only, and there was no discussion.

26. FELLOWS AND AFFILIATE MEMBERSHIP PROGRAMS

There was no discussion of this item.

27. STATUS REPORT ON IUPAC SECRETARIAT

There was no discussion of the report. The Bureau recorded a vote of thanks to the Secretariat staff for the excellent work this biennium.

28. IUPAC WEB SITE AND OTHER PUBLICITY ABOUT THE UNION

Prof. Glasser reviewed the current situation with respect to the IUPAC web site and referred to a report by Dr. Valter on proposals to improve the web site. The major recommendations were to migrate the site to XML and to set up an IUPAC server rather than relying on hosting at the site at the University of North Carolina. An IUPAC server would allow greater control of the software available on the site, including hosting of databases. CPEP at its meeting had recommended that Dr. Valter prepare a formal proposal based on his report. The total cost for migration is expected to be USD 20 000 to USD 30 000 with ongoing maintenance costs of USD 1000 to USD 2000 per year. He reported that Dr. R. Deplanque had offered to host an IUPAC server at the FIZ facility in Berlin. Prof. Erhardt noted that he was currently operating a server to host a medicinal chemistry database and it might be possible to host the IUPAC site on the same server at little if any extra cost. Prof. Kallner noted that the NPU database, currently hosted by a computer at a University in Denmark would need to be moved in the near future. Prof. Henry reported that during his visits with Division Committees there had been general support for more web site capabilities and support. The Bureau expressed support for the proposal presented by CPEP and

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urged Prof. Glasser to bring a detailed proposal to the Executive Committee at its next meeting in April 2006.

29. RATIFICATION OF APPOINTMENTS TO IUPAC BODIES

There were no appointments to ratify.

30. DATES AND PLACES OF NEXT BUREAU MEETINGS

Beijing, 21 August; 5-8 October 2006, Spain

31. ANY OTHER BUSINESS

31.1 NGO STATUS FOR IUPAC

The President reported that certain international organizations required bodies that wished to participate in the work of the organization as NGOs to register with the organization. IUPAC already has formal NGO status with a number of international organizations; the President proposed that IUPAC register formally as an NGO with other international organizations as necessary to participate in the work of those organizations. The Bureau approved this proposal.

31.2 AN INFORMAL REVIEW OF IUPAC MEMBERS' BENEFITS, DUTIES AND FUNCTIONS, AND RELEVANT PROGRAMS

Dr. Meyers briefly reviewed the current version of this document, known informally as "Hints for NAOs". She asked that any suggestions for changes or improvements should be sent to her soon after the General Assembly so that this document could be posted on the web site and the NAOs and ANAOs informed.