

# International Union of Pure and Applied Chemistry

100<sup>th</sup> MEETING OF BUREAU  
São Paulo, Brazil, 11 & 14 July 2017

## MINUTES

Attendees: Prof. Natalia Tarasova (Chair), Prof. Qi-Feng Zhou, Dr. Mark Cesa, Prof. Richard Hartshorn, Mr. Colin Humphris, Dr. Lynn Soby (Executive Director), Prof. Russell J. Boyd, Prof. Christopher Brett, Prof. Mei-Hung Chiu, Prof. Hemda Garelick, Prof. Ehud Keinan, Prof. Christopher K. Ober, Prof. Pietro Tundo, Prof. Kaoru Yamanouchi, Prof. Angela Wilson, Prof. Jan Reedijk, Prof. Margaret Brimble, Prof. Greg Russell, Prof. Jan Labuda, Dr. Petr Fedotov, Dr. Thomas J. Perun, Dr. Karl-Heinz Hellwich, Prof. Mustafa Sözbilir, Dr. Bernard West, Dr. Carlos Tollinche, Prof. Ron Weir, Ms. Bonnie Lawlor

Guest: Prof. Doug Templeton, Prof. Jean-Pierre Vairon  
(present for the second part of the meeting, Friday) Prof. Jan Apotheker, Prof. Rita Cornelis, Prof. Javier Garcia Martinez, Prof. Lars Ohrström, Prof. Zoltán Mester, Prof. Jurgen Stohner, Dr. Dave Martinsen

Absentees: Prof. Tavarekere K. Chandrashekar, Prof. Kew-Ho Lee

Secretary: Dr. Fabienne Meyers

## Tuesday, 11 August (starting at 14:00)

### 1. INTRODUCTORY REMARKS AND WELCOME

Prof. Tarasova welcomed the members of the Bureau to the meeting, thanked our host here in Sao Paulo, and wished the SBQ (Sociedade Brasileira de Quimica) best success for their 40<sup>th</sup> anniversary reunion.

The Bureau was reminded that the second part of this Bureau meeting will be held on Friday July 14, on the day following the Council, and at that time, the Bureau would hold an election to select three of the Elected Members as members of the Executive Committee.

### 2. FINALIZATION OF AGENDA

Prof. Tarasova indicated that most items to be discussed by the Bureau were in the Council Agenda and therefore background materials could be found in the Council Agenda Book.

No additional items were requested and the agenda was approved as proposed.

### 3. MINUTES OF 98<sup>TH</sup> AND 99<sup>TH</sup> MEETING OF BUREAU

The minutes of the 98<sup>th</sup> Bureau meeting held in Montreal, in April 2016 were circulated by email 8 April 2017. Minutes were approved by email. Updated minutes are in the Council Agenda Book.

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The Bureau also met by GoToMeeting on 8 April 2017 for a brief meeting; the draft of the Decisions and Actions is included in the Council Agenda Book.

*Decision: The Bureau is asked to approve the Minutes of the 98th (Montreal) and 99th (GoToMeeting) meetings.*

Prof. Tarasova asked if there were any comments. As there were no comments, the minutes of the 99th meeting of the Bureau were approved by show of hands (unanimous).

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

Prof. Tarasova asked if there were any comments or matters arising.

She commented that for the officers, the meeting was convenient as they were present in the Research Triangle Park (RTP) office in North Carolina during the virtual meeting. While the meeting was productive, she admitted that it is not a substitute to meet in person.

*Decision: Any additional items, especially any needing discussion prior to Council?*  
There were no additional comments.

## 4. MINUTES OF 155TH MEETING OF EXECUTIVE COMMITTEE

### 4.1 RECEIPT OF MINUTES BY BUREAU

The Executive Committee met on 12-13 November 2016 in Beijing, China; minutes of that 155<sup>th</sup> meeting were received by Bureau on 21 May 2017, and are included in the Council Agenda Book.

## 5. MINUTES OF 48TH MEETING OF THE COUNCIL

The minutes of the 48<sup>th</sup> Council Meeting are included in the Council Agenda Book for approval.

There were no comments. The minutes will be for approval by Council.

## 6. ACTION ITEMS FROM PREVIOUS MEETINGS

The Bureau was asked to review the Action Items included in the Council papers and inform the Secretariat of any changes in status.

Action items have been updated as of 20 June 2017 and the Secretary General reviewed the list, one item at the time:

1. *[MC] Minor Change in budget for 2018-2019 reflecting increased funding from Solvay for the International Young Chemists Award although this does not affect the bottom line. This will be discussed at the Solvay Awards committee meeting in São Paulo.*

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The comment was made that indeed Solvay has doubled their support to Euro 20k and the Prize committee will have to decide how to best allocate that support.

2. *[RH] Develop changes to Statutes and Bylaws for approval by Council consistent with Bureau's support for the proposed revisions of the Affiliate Membership Program and the Company Associates program. Circulate changes to officers followed formal approval electronically by Bureau. [RH-Completed]*
3. *[CH/LS] Develop formal documentation regarding Endowment. Status Update: First meeting with advisors was held on May 17 2017 to discuss future Auditors and possible Endowment options. Outline proposal to go to Council for implementation by the Executive Committee [Proposal for Council Complete. Work in progress]*
4. *[LMS/CH] Write to all NAO's providing the summary of National Subscription task force recommendations and subscription calculations. Invite all NAO's to take part in a regional "GoTo" Meeting as a third stage of consultation. [Status: Completed 21 April 2017] Meetings to be held throughout May 2017[Status: Completed]*
5. *[Bureau Members] Bureau members agreed to meet with their National Adhering Organizations to take them through the National Subscription recommendations and the appropriate individual country files. [Status: Request and country files sent to Bureau members]*
6. *[Mary Garson/Chris Brett] UNESCO memorial date needs a national delegation proposal to the UNESCO Executive Committee. All NAO's should be contacted to determine their support. Status: Qi-Feng Zhou worked with contacts in China after the Bureau meeting. Correspondence with other NAOs continued. Application was sent to the Chinese UNESCO Delegation on 21 April 2017. Prof. Qi-Feng Zhou explained that only one official letter from Italy in support of the proposal had been received. The deadline is end of July. He invited anyone who knows how to reach their National Commission on UNESCO to contact him. A template letter is readily available. He indicated that a similar process will apply for the request for declaration of the 2019 International Year of the Periodic Table.*
7. *[RH/ChemRAWN] Carlos Tollinche will provide the Secretary General a detailed report of future actions, strategies for the committee. [Status: Will be discussed during GA in São Paulo].*  
Carlos Tollinche commented that a report had been submitted in advance of the last virtual meeting and that report outlined a 8-point program.

All other items have been completed in advance of the GA; they are listed here for reference.

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8. [Chris Brett] Revise the Terms of Reference and objectives of the Evaluation Committee to broaden its role to include performance evaluation of the IUPAC bodies. [Status: Completed. In Council agenda book for Council approval]
9. [LMS/FM] Review General Assembly schedule so that ICTNS will not have conflicts with other division and committee meetings (Ron Weir proposed an evening meeting would be acceptable) [Status: Completed]
10. [FM] Consult divisions regarding the interdivisional meetings and finalize the schedule and logistics. [Status: Completed]
11. [LMS] Communication to NAO's regarding the nominations for Officer and Bureau members. Status: Completed.
12. [LMS] Include WCLM flyer within the Council Agenda Book for Council for information (Council agenda item 19): [Status: Completed.]
13. [RH] Complete the IYCN/IUPAC Memorandum of Understanding and circulate it to Bureau for approval prior to 1 June 2017 deadline for the Council Agenda Book. Status: Completed. Will be signed at Young Researchers Symposium by Natalia Tarasova]
14. [RH/FM] Develop a one-page description of the Young Observers program and activities for communication to NAOs, Young Observers' and others. [Status: Incomplete, but other communications for YO's by FM]
15. [RH] Request to Divisions to provide all Divisional rules currently being followed to be sent to LMS for inclusion in the Agenda Book to enable Council approval. [Status: apart from Div VII, no relevant Division operating rules were identified]  
  
RH commented that he will be looking for division rules over the next biennium with the goal to have all in place to be approved by Council in 2019.
16. [LMS] Prepare detailed responses to all Congress and General Assembly bid proposers requesting any additional information identified as missing at the time of the Bureau Meeting in April. Request inclusion of a section on VISA status for international travel. Due date of one month from Bureau meeting. Status: All completed in time for the Council agenda with additional information. Final bids received on time
17. [RH] Prepare a formal letter to the NAOs outlining the voting process for selection of the Congress and General Assembly bids and inform NAOs and Proposers. Status: Completed. Sent to NAOs and Proposers [LMS]
18. [RH] Prepare a guideline for Congress and General Assembly proposal presentations at Council. Status: Completed and sent to NAOs and Bureau.

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19. [RH/LMS/CH] Review Council Agenda items and associated timing (parallel) and revise detailed Council Agenda accordingly. *Status: Completed.*
20. [RH] Write to Bureau reminding them of their choice of next year's Bureau meeting: Bratislava or Philadelphia. *Status: Completed. Bratislava will be the location of the 2018 Bureau meeting.*

## 7. REPORT OF THE PRESIDENT

The State of the Union report and information related to item 7.2 *Proposed Merger of ICSU and ISSC* is included in the Council Agenda Book. Item to enable clarification of any matters prior to the Council meeting.

Professor Tarasova referred to the Council Agenda, item 7.1 *President's Statutory Report on the State of the Union*, in which she described the Union's achievements, including many internal accomplishments, such as the recent naming of the new elements, the contact with UNESCO, the status on the declaration of the International Year of the Periodic Table (IYPT), the IUPAC anniversary date to be proposed to the UNESCO calendar for 2019. She also mentioned that many proposed actions are likely to reach a wider range of chemists, and attention on the future merger of the new ICSU including social science is important. Professor Nicole Moreau will talk about that in her address to Council. Prof. Tarasova indicated that since IUPAC is the largest Union in ICSU, the merger will likely change the Union's position. She and the Past President Mark Cesa plan to attend the special ICSU General Assembly in Taipei in October 2017.

The Officers concurred that no detailed presentation shall be made during Bureau, instead such presentation will be made during the meeting of the Council. Dr. Mark Cesa indicated that the Council will be asked to let the EC decide about the ICSU merger.

{See <https://www.gitbook.com/@icsu-issc> for the online repository of all background documentation on the proposed merger}

## 8. REPORT OF THE SECRETARY GENERAL

Prof. Richard Hartshorn indicated that during this GA, he visited all Divisions and Committees and he will follow-up in the coming year on the many good ideas that he heard about.

The SG report was under item 9 of the Council meeting and reproduced here below:

The Executive Director and the Secretary General have worked together to improve the operation of the Secretariat, notably through streamlining work-flow for various activities of the Union in order to limit the number of hand-overs involved in any particular series of tasks. It is important to recognize that there are only five people employed in the

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Secretariat, which is a remarkably small number given the breadth of the Union and the number of scientists to whom they supply administrative support.

There have also been significant refinements and efficiencies made in the election processes, notably in standardizing the electorates used for our various bodies (following consultation with Divisions and Standing Committees), and through the use of on-line systems for both nomination and voting stages of the elections. The Secretariat is also continuously improving the IUPAC website, developing a new members and contacts database to link to the website and reengineering multiple processes related to the use of the database. Greater use is being made of electronic communication and web-based systems for better collaboration. It was notable that there was increased engagement of National Adhering Organizations in the nomination process for the elections and for the IUPAC-Solvay International Award submissions, perhaps because of improvements in these systems and the new website.

Significant improvements have been made in financial systems and management, something on which the Treasurer will provide additional details.

We have revised the Statutes and Bylaws for the Union (see item 25.3) in order to reflect decisions taken by the Bureau, Executive Committee, and Council since they were last revised (2010).

We have also begun a process of formalizing strategic relationships with bodies such as OPCW and IYCN, through development of Memorandums of Understanding (MoU). There is also a significant and developing relationship with the Chemistry Research Data Interest Group of the Research Data Alliance, through which we are seeking to identify and address key problems for the field of Chemistry in the world of big data. This is an area where we expect to have to commit more resources in coming biennia. The MoUs are in the Agenda Book.

We also draw your attention to the proposal to introduce a new standing committee, the Interdivisional Committee on Green Chemistry for Sustainable Development (see item 25.2), and the proposed addition to the terms of reference for the Evaluation Committee (see item 25.1), which will provide a review mechanism by which we can judge the effectiveness (or otherwise) of Divisions and Committees in delivering on the mission and strategic initiatives of the Union.

These last two paragraphs reflect an intention to raise the responsiveness of IUPAC toward developments in Chemistry and the world in which we operate.

### **9. VICE PRESIDENT'S CRITICAL ASSESSMENT**

Prof. Zhou referred to his report included in the Council Agenda Book, item 8. He pointed out to one major concern related to finance and the assessment of the formula used in the calculation of the proposed new National Subscription. He pointed out to the work of the Task Force and the recent decision to postpone a final recommendation.

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Prof. Zhou recognized the work related to the preparation of IUPAC100 and the opportunity to celebrate the achievements of the Union, but also to plan for the future. He wished the IUPAC100 task group fruitful planning also joining force with the organizers of Paris 2019. He challenged all Divisions and Committees to celebrate in various ways.

### 10. FINANCIAL MATTERS

Items to enable clarification of any matters prior to the Council meeting

#### 10.1 REPORT OF TREASURER

A report from the Treasurer is included in the Council Agenda Book.

Colin Humphris reminded the Bureau that the Union is running a deficit. This position is not sustainable; either the Union raises its income or reduces its costs, or both. In the discussions of a new formula for National Subscriptions it had become clear that all National Adhering Organizations were hoping to pay less. IUPAC was therefore planning for no growth of total subscription income over the 2017 total of USD 917k from the current group of countries. Income growth would therefore have to come from other sources or subscriptions and this was anticipated in the budget plans to be presented to Council.

Mr. Humphris noted that currently out of USD 1.3M income, USD 900k derives from NAO subscriptions, USD 200k from publishing income, and the remainder was earnings and interest on the reserves in the investment portfolio. The Union simply has a checking and investment saving account, that are now managed effectively thanks to the new accounting system. He also confirmed that there is no separate Strategic Opportunity Funds (SOF). IUPAC budgets for the Divisions' and Committees' projects and manages the commitments and expenditures against these from its revenue streams. Funds are not provided to task group leaders up-front; no monies are ever therefore "returned". IUPAC is seeking to maintain or grow its investment portfolio as this is an important source of earnings as well as being a safety net at times of deficit.

Turning to other subscription categories, Mr. Humphris described the review of the Affiliate Membership Program (AMP) and Company Associates program (CA) with the twin objectives of growing income and engaging these communities of interested chemists more effectively across the world.

The current AMP scheme is unchanged at USD 35/year since its creation. AMP members receive a print copy of *Chemistry International* (CI) and the current subscription does not cover the printing and distribution costs. An increase in subscription is proposed with an option to pay a premium to receive a paper copy of CI. Affiliate members will receive CI electronically, retain their discounts to publications and IUPAC conference. Importantly in addition Council support will be sought for AMP members to have the right to be nominated to non-financially supported membership of Divisions or Committees (*i.e.* non-TM positions) irrespective of their home countries.

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The objective is to encourage engagement from the whole global chemistry community. The AMP scheme will be managed directly by IUPAC unless NAOs opt to manage a national scheme.

Similar thinking applies to the CA program: if we increase the fee, members will expect a commensurate increase in CA benefits. When *Pure and Applied Chemistry* (PAC) transferred for publishing to DeGruyter in 2014, a significant benefit to CAs was lost which corresponded to a 25% discount to PAC (equivalent to about USD \$ 600, *c.f.* CA subscriptions of USD 450). IUPAC needs to design a CA model of mutual benefit to IUPAC and industry that encourages more industry engagement, *e.g.* including the ability to actively nominate members for election to Divisions and Committees.

Mr. Humphris indicated that to encourage bigger corporations, a corporate endowment scheme is being explored. This would generate new earnings to fund future projects.

Mr. Humphris reported that a problem emerged at a very late stage during consultations on the proposed new model to calculate National Subscriptions that was approved by Bureau in April 2017. New data on the size of the chemical industry in Puerto Rico was provided by the American Chemistry Council that materially affected all the subscriptions on which IUPAC had consulted. This needed verification and more detailed consideration. He had therefore called for a “time out” and will recommend to Council that the NS task force continues its work beyond Sao Paulo. He also noted that several opportunities had been provided for the NAOs to learn more in detail about the rationale and consequences of the new National Subscription formula, but only 18 engaged at any stage.

Mr. Humphris will recommend that NAOs be invoiced in USD \$ in future. This has the support of both the National Subscription task force and the Finance Committee. The option for NAOs to choose the currency they are invoiced in, was given some years ago. Whilst some NAOs argue that it is important, it was clear that IUPAC is unique amongst the science unions in offering this flexibility. The current approach means that IUPAC is taking an unacceptably high currency exchange risk; hence the recommendation to change.

### 10.2 REPORT OF FINANCE COMMITTEE

The Finance Committee met on 8 February 2017; the 2016 meeting minutes are included in the Council Agenda Book.

Mr. Humphris commented that the Finance Committee recommended a change of auditors, and that motion will be presented at Council.

### 10.3 STATEMENT OF ACCOUNTS FOR 2015 AND 2016

The Audited Financial Statements for 2015 & 2016 are included in the Council Agenda Book.



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### 10.4 REVIEW OF BUDGETS FOR 2018-2019

The following documents are included in the Council Agenda Book:

- Proposed budgets for 2018-2019-P&L Statement
- Proposed Division and Committee Allocations for 2018-2019
- Proposal for National Subscriptions and their calculation

Mr. Humphris noted that the 2018 and 2019 are based on the USD 2017 National Subscriptions. He also noted that the Divisions and Committees budgets were reduced by approximately 5% to make funds available for an operational budget for the new Interdivisional Committee on Green Chemistry for Sustainable Development, new “big data” work in CPCDS and also for some centenary activities in 2019.

### 10.5 NAO AND ANAO PAYMENT STATUS

The payment status was reviewed at the meeting. More than half of the dues for 2017 have yet to be received.

Argentina, Kazakhstan, Pakistan, Tunisia have defaulted and are no longer members. Luxembourg and Ethiopia withdrew in December 2015.

Ghana, previously as ANAO, has not applied as NAO.

## 11. 2019 IUPAC CENTENARY

Prof. Tarasova reminded the Bureau that the IUPAC 100 workgroup met on Monday, 10 July 2017 and that an update presentation will be made by Mary Garson at Council. She mentioned 2 activities. One that is to have recognized in the UNESCO 2019 calendar the anniversary day of IUPAC (28 July); that initiative is now led by the Chinese delegates. The second activity is to have the International Year of the Periodic Table recognized, as 2019 will coincide with the 150 years of Mendeleev’s first rendering of his Periodic Table; this request will be forwarded by the Russian delegation to UNESCO.

## 12. 50TH GENERAL ASSEMBLY AND 47TH CONGRESS (2019)

Prof. Jean-Pierre Vairon presented an updated of the plans of the Congress 2019. He briefly outlined that the schedule is similar to that of Sao Paulo and that all meetings will be held in the *Palais des Congres* and the Council in the Hyatt Hotel adjacent to the center. The scientific program includes 7 main themes and some 25 symposia, and each has a French chair, an international co-chair, and a representative from industry when possible.

*{a 32-page doc detailing the program is available at [www.iupac2019.org](http://www.iupac2019.org)}*

Professor Vairon stressed that the Young Chemists will have their own program, and he outlined options where IUPAC itself can take part in the planning of the centenary celebration. The [iupac2019.org](http://iupac2019.org) website is being released this week.

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In view of the discussions held during this GA and the success of the WCLM in engaging young chemists, Professor Tarasova suggested that the IUPAC100 task force and the Paris planning group better liaise to coordinate joint activities. A mediator will be identified to ease that process.

### 13. PAC & CI WITH DE GRUYTER

#### 13.1 REPORT ON *PURE AND APPLIED CHEMISTRY* AND STANDARDS ON-LINE DATABASE

Prof. Hartshorn confirmed that PAC Editorial Advisory Board have met on Monday 10 July 2017. He indicated that Hugh Burrows reported that much progress has been made to alleviate the production delays experienced last year; he still will look for more help from the Divisions President in identifying reviewers for specific conference manuscripts. Finding more manuscripts is not a concern; the issue is to press on the submission and review process till the manuscripts hit production. PAC schedule is now on schedule and content for the rest of the year is well planned for.

#### 13.2 REPORT ON *CHEMISTRY INTERNATIONAL* AND FUTURE OPTIONS

Bonnie Lawlor outlined that following the earlier recommendations made for CI, that an *active* Editorial Board, and not an *advisory* editorial board, had been in place for about a year and it met virtually about every 6 weeks. One activity is to look in the future of CI and create a more interactive online version. She confirmed that several concepts were being looked at and that will leverage the main iupac website.

Professor Tarasova asked if there has been any feedback from the print production being changed from 6 to 4 issues per year. Mrs Lawlor indicated that DeGruyter was supportive of the initiate and the change of schedule.

Dr. Karl-Heinz Hellwich mentioned that with 4 issues per year, this might cause a timing challenge of instance in disseminating provisional recommendations. Fabienne Meyers indicated that provisional recommendations are not only in CI but in fact, first on iupac.org and a goal for iupac.org and for the CI digital will be to push informations to various audiences in various ways, instead of simply posting information.

Professor Tarasova pointed to the under-representation of Africa in the CI EB; Bonnie Lawlor confirmed that the Board was aware of that.

Finally, Mrs Lawlor made reference to the IUPAC Standard database developed and launched last year by DeGruyter, and invited the Bureau to visit the published exhibit where demonstration of the database is available.

### 14. CONFERENCES AND SYMPOSIA

#### 14.1 FINANCIAL SUPPORT FOR CONFERENCES IN SCIENTIFICALLY EMERGING REGIONS (SER) AND ON NEW DIRECTIONS IN CHEMISTRY (NDC)

Prof. Templeton described that one task of the Project Committee was to review applications for SER and NDC. Few applications (two in this biennium) were

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submitted for the NDC; Prof. Templeton explained that this program is not only about ‘cutting edge’ science, which is expected generally for IUPAC endorsement, but should be truly new and often interdisciplinary directions; examples are provided in the guidelines. *{(i) explore the contribution/application of chemistry into a new field, (ii) explore the contribution/application of a new field to the core topic of a conference, or (iii) consider new interdisciplinary areas of research involving chemistry.}*

Prof. Templeton restated that the Committee has been looking for a definition for SER, but as yet has found no resolution. Instead, the PC uses that flexibility to support of participants from emerging regions instead of strictly for events held in a specific location. This biennium, the PC has so far received four SER applications and funded three.

Prof. Templeton indicated that the Committee considered that recurring events were not suitable for financial support. Instead, the PC shall prioritize support for new initiative. The Committee also concurred that support through the FSC shall not be used for registration costs but for travel expense, and that organizers shall be expected to waive the registration fee for those young scientists receiving IUPAC support.

#### 14.2 RATIFICATION OF ENDORSEMENT OF SYMPOSIA

Prof. Tarasova indicated that since the program name had been changed from ‘sponsor’ to ‘endorsement’, organizers seem to better understand that this program comes with no financial commitment. She mentioned that the endorsement of exhibitions can also provide good visibility for IUPAC.

Dr. Karl-Heinz Hellwich suggested that overlapping conferences with the General Assembly/Congress shall be avoided.

A list of endorsed conferences since 18 October 2016 was provided with the Agenda. Bureau was asked to approve the endorsement of these events; there were no questions/comments and the Bureau approved the endorsement of these events

NT thanked the officers and everyone on the Bureau for input and adjourned the meeting. The second part of this Bureau will be held on Friday after the Council, and starting with the election for the Executive Committee.

### **Friday 14<sup>th</sup> July (starting at 08:30)**

#### **15. ELECTION OF BUREAU REPRESENTATIVES TO THE EXECUTIVE COMMITTEE**

Prof. Hartshorn explained that in addition to the five officers (President, Vice President, Past President, Treasurer, and Secretary General), the Executive Committee (EC) includes three elected members (EM) of Bureau. With Chris Brett elected Vice President and with Kaoru Yamanouchi retiring, two positions shall be filled. Mei Hung Chiu (China/Taipei) was elected in 2015 and will continue her term.

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The Secretary General asked for nominations and the following were announced:

- Mary Garson (Australia) – just elected for a 1st term on the Bureau; previously member/President of Division III and currently chair of the IUPAC100 task force
- Javier Garcia-Martinez (Spain) – just elected for on the Bureau; member of the Inorganic Chemistry Division and on the IUPAC100 task force
- Chris Ober (USA) - – just re-elected for a 2<sup>nd</sup> 4-year term as an elected Bureau member; previously member/President of Division IV and chair of the Interdivisional Subcommittee on Materials Chemistry (ISMC) and this year chair of the WCLM.

The Bureau was asked to vote for 2.

The ballots were counted and Ober was elected. A tie between Garson and Garcia-Martinez required a second ballot, following which Garcia-Martinez was elected.

#### **16. MATTERS ARISING FROM COUNCIL AND THEIR RESOLUTION**

none

#### **17. ITEMS FROM MEETING OF DIVISION PRESIDENTS**

Prof. Jan Reedijk reported that the Division Presidents and Standing Committee Chairs met on Tuesday morning, 11 July 2017. The meeting had a good attendance with all DPs and incoming Division Presidents present.

He reported that with the Secretary General, several items had been discussed:

- There was no agreement for flexibility on the term for Division President, and no unanimity for either 2 or 4 year terms.
- Divisions are in favor of the Young Observers participations and ideas shall be shared as to how to better engage them. This year WCLM and the networking event was noticed.
- In reviewing the election timeline, the recommendation was to quickly appoint the nomination chair (usually the Division Vice President) and better guide him/her in that role.
- Division rules and regulations shall be revisited with a target to be approved by Council in 2019.

The DPs appointed Greg Russell (DP4) as chair for the next DP meetings.

The possibility of engaging with more African countries has been discussed among DPs; for example, joint activities of Divisions with CCE or planning off-year meeting in under-represented region.

The DPs reviewed briefly some IUPAC100 activities.

Considering the GA schedule, the interdivisional meetings on day 2 could better start at 9:00 am and end at coffee break, instead of starting after the coffee break.

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Finally, the DPs considered issues related to IUPAC journal PAC. They are aware that a challenge is to preserve a good number of conference papers (which is required to generate an income) while at the same time, have enough Technical Reports and Recommendations (which bring-up the IF). An optimal ratio 3:1 to 4:1.

The DPs will assist the Editor in identifying referees for conference manuscripts. The IUPAC representative should provide a conference report for CI, but also be invited to contribute highlights of the PAC coverage of that event. Highlights have been suggested by YOs as suitable quick read providing incentive prior actually reading PAC papers.

The Secretary General indicated that while considering the GA schedule, on the days overlapping with the Congress, the GA sessions could start after the plenary lecture.

**18. REPORT FROM THE MEMBERSHIP RELATIONS COMMITTEE**

Dr. Mark Cesa gave an update about the work accomplished and leading to the development of a value proposition. Next is to review all membership categories and some identified areas for focus. Affiliates, fellows, and individual members shall clearly be defined. The Company Associates program shall be revisited working jointly with COCI.

Lynn Soby indicated that the Fellows constitute a very loose group which will require updates as emails become the key point of contact; she mentioned that for many fellows, the Secretariat only has a mailing address.

Mark Cesa thanked Javier Garcia-Martinez, Chris Brett, Natalia Tarasova, and everyone on the Strategy review task group.

Prof. Ehud Keinan urged the MRC to reach out to more countries, and consider positions for observers, and by which more people can join and participate. Noting that EUCHEMS is larger than IUPAC, he noted that if IUPAC does not change, it will become irrelevant.

**19. REPORT FROM PROJECT COMMITTEE**

Prof. Templeton indicated that the PC met on Tuesday morning, 11 July 2017. He summarized a few practices adopted or issues reviewed by the Committee.

The PC considers workshops in which all attendees participate, suitable activities for project support. Funding of ongoing series of events are not a priority.

The PC will defer until the next biennium, the funding of proposals submitted after October 31 and proposals coming from Divisions seeking full support for a large proposal when at that time, the Division has itself already committed its entire biennium budget to other projects.

The PC is critical of proposals requesting support for symposia where IUPAC delegates are required to pay registration to attend.

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Finally, Prof. Templeton suggested that guidelines would be helpful for the PC to handle worthy proposals referred to the PC but that do not fit the PC mandate. Previously, these were referred to the SOF (Strategic Opportunity Funds); how should these be referred to the EC?

### **20. REPORT FROM EVALUATION COMMITTEE**

Prof. Chris Brett confirmed that the EvC met on Tuesday morning, 11 July 2017. He briefly referred to the report made to Council and the focus on how to improve what we do and how. One perceived improvement will be to standardize the project updates reporting through of common form.

Prof. Brett also commented that the project system appears to run “better” than the former commissions. On that point, Dr. Karl-Heinz Hellwich pointed out that the alignment between projects was actually more difficult than working as Commission.

### **21. REPORTS FROM DIVISIONS AND STANDING COMMITTEES**

Prof. Tarasova summarized the feedback she got from NAOs, and that the diversity and number of activities reported was impressive. She thanked all the Division Presidents and Standing Committee Chairs for their contribution.

### **22. WCLM**

Prof. Chris Ober briefly reported on this year WCLM activities which built on a similar model run in Busan and that included a workshop for Young Observers to formulate IUPAC proposals and a plenary session. This year, the engagement and relevance to younger chemists have been enhanced. First the planning task force included 3 returning YOs. And unique this year was setting of the networking event which involved representatives of all Divisions and Committees. This was very effective and quickly perceived by the YOs and other participants as an activity worth doing again. The workshop sessions were led by ISMC and ICGCSD and focused on IUPAC future activities.

The WCLM next responsibility is to identify a timeline for the finalization of the proposals being prepared now by the Young Observers, and assist in the proposals development. A target date for proposal submission could be December 1st.

Following this year involvement with IYCN, there is a real interest now to prepare a joint WCLM in Paris. IYCN as a co-lead, and involvement of returning YOs appear to be critical.

### **23. PHOSAGRO PROJECT**

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Prof. Tarasova referred to her report to Council. She recalled that of the UNESCO/PhosAgro/IUPAC grant program for young chemists “Green Chemistry for Life” had been launched in 2013 with the initial funding of 1.5 million USD, and that it had three calls for proposals resulting in about 20 research projects. The last call, in 2017, attracted more than 130 applications from all the continents. She indicated that PhosAgro plans to extend the program for another 3 years, with an increase support of US\$ 2.5M. The program age limit has changed and was raised from 35 to 40.

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

#### 24.1 50<sup>TH</sup> GENERAL ASSEMBLY AND 47<sup>TH</sup> CONGRESS (2019)

The comment was made that the beginning of the GA was becoming fuzzy with some task groups meeting on Friday. It was suggested that ICTNS met prior the Divisions. In advance of the Council in Paris, Dr. Soby indicated that preliminary discussions about the new National Subscription might be necessary before the formal Council session.

#### 24.2 51<sup>ST</sup> GENERAL ASSEMBLY AND 48<sup>TH</sup> CONGRESS (2021)

#### 24.3 52<sup>ND</sup> GENERAL ASSEMBLY AND 49<sup>TH</sup> CONGRESS (2023)

### **25. AFFILIATE MEMBERSHIP PROGRAMS**

Mr. Humphris stated that Council has approved the proposal for the revision of subscriptions and benefits of the Affiliate Members Program. The work will follow and the program will be ‘repackaged’ and announced accordingly.

### **26. COMPANY ASSOCIATES PROGRAM**

Mr. Humphris stated that Council has approved the proposal for the reassessment of the Company Associates program and work with COCI will continue. Dr. West concurred that a definitive proposal will be presented to NAOs.

### **27. IUPAC-SOLVAY INTERNATIONAL AWARD FOR YOUNG CHEMISTS**

Dr. Cesa briefly informed that the Award Committee did review its process to assess and evaluate the applications. This year, there were 38 applications and 4 not suitable. The Committee might be seeking additional reviewers from within the Divisions and to ensure that all disciplines are covered.

Dr. Cesa confirmed that Solvay agreed to continue their support of the award and in fact Solvay announced that they will double their support for 2018-2019. In consequence, the committee will need to consider how best allocate that additional support.

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Mark Cesa will provide a complete set of recommendation prior the next EC.

**28. DATES AND PLACE OF NEXT BUREAU MEETING**

Planned for Bratislava, Slovakia, on 6-8 April 2018.

Dr. Karl-Heinz Hellwich indicated that his successor, Prof. Alan Hutton will not be able to attend the Bureau and asked if he, as Past President, he can. The Secretary General confirmed that this was suitable.

Colin Humphris indicated that the EC will meet next in London on 17-19 November.

**29. ANY OTHER BUSINESS AND CLOSING REMARKS**

Prof. Tarasova asked if there was any other business.

Prof. Ehud Keinan proposed to look into the value and suitability by establishing an umbrella organization for national journals; he recognized that for small scientific journals, it is difficult to sustain a business and retain a unique identification. The goal will be to see how by sharing good practices, small journals can improve their performance.

Prof. Zoltán Mester (new incoming DP5) supported the idea.

Dr. Karl-Heinz Hellwich asked how will the EC keeps informed about the IUPAC100 since Professor Mary Garson is not on EC. Both Prof. Brett and Prof Garcia-Martinez are involved in the IUPAC100 and can keep the EC apprised of the committee activities.

Dr. Karl-Heinz Hellwich commented that the poster session organized earlier in the week was a good event but his disappointment was related to the fact that the posters could not be on display much longer than that evening. He suggested that for future GA this should be reconsidered.

Dr. Karl-Heinz Hellwich indicated that he had been approached with a request from Wiley for the development of a Unicode for chemistry. He will follow-up and liaise with CPCDS.

Prof. Pietro Tundo thanked the Bureau for supporting the establishment of the ICGCSD. He highlighted the fact that proposals from other Divisions and Committees for projects in the area of Green chemistry are still very welcome, and that the ICGCSD has a responsibility to coordinate and assemble support for such proposals, as well as developing proposals of its own (which will likely involve other Committees and Divisions). The Secretary General restated that the new committee was in a way to support the Divisions 'green' activities.



100<sup>th</sup> MEETING OF BUREAU  
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Prof. Hartshorn asked for general feedback about the General Assembly and Congress, and urged members to email comments as soon as possible and while their experience is still memorable.

Prof. Qi-Feng Zhou thanked Professor Natalia Tarasova for her leadership as President.

The meeting was adjourned and members invited to attend the Congress closing ceremony in the Golden hall, including the **“Send off to Paris”-IUPAC100 and IUPAC2019 Presentations.**

### **Short follow-up meeting for EC Members**

Mr. Humphris indicated that the Executive Committee will meet next in London on 17-19 November; the EC meeting will be all day Saturday and on Sunday morning; for Sunday afternoon, a Tour of the Faraday Museum is being planned. He also indicated that there will be a dinner on Friday evening, meeting with the President and officers of RSC. The Secretary General confirmed that this transition EC meeting will include all current and new members on the EC.

Professor Tarasova confirmed that she will attend the special ICSU GA in Taipei in October 2017. Also, she will meet soon the Russia delegation at UNESCO to review progress related to the IUPAC anniversary and the IYPT.

Professor Tarasova thanked the officers and all the EC for their continued support.

The meeting was adjourned prior 12h and still in time for the officers to attend the Congress closing ceremony.