

International Union of Pure and Applied Chemistry

159th MEETING OF EXECUTIVE COMMITTEE- PART I

Virtual Meeting, November 10, 2020

APPROVED MINUTES

1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA PROF. BRETT

Attendees: Professor Christopher Brett (Chair), Professor Richard Hartshorn, Professor Javier García-Martínez, Mr. Colin Humphris, Professor Russell Boyd, Professor Christopher K. Ober, Dr. Lynn Soby, Dr. Fabienne Meyers

Secretary: Dr. Lynn Soby (Executive Director)

Guests: Dr. Mark Cesa, Professor Neil Burford

Apologies: Prof. Mei-Hung Chiu, Prof. Qi-Feng Zhou

Professor Christopher Brett welcomed all participants and members of the Executive Committee (EC) and thanked everyone for joining the meeting during this challenging time and within the limits of a completely virtual meeting. He noted that although the Agenda indicates that Dr. Mark Cesa will join the meeting to talk about the Review Group, that in the interest of keeping the meeting to 4 hours, that another meeting be scheduled in two weeks to have an additional EC meeting to discuss only the Review Group. He suggested scheduling the meeting for November 25th. No additional items were added to the Agenda.

2. MINUTES OF 158TH (TOKYO, JAPAN 06 DECEMBER 2019) MEETING OF EXECUTIVE COMMITTEE

PROF. HARTSHORN

The draft minutes of the 158th EC meeting were included in the Agenda book for review. Dr. Soby requested that suggested edits should be submitted by November 23rd, 2020. Professor Hartshorn suggested requested changes be limited to typographical errors and be held over for approval until the proposed EC Meeting to take place on November 25th, 2020.

3. MINUTES OF 104TH MEETING OF THE BUREAU (VIRTUAL, 25 APRIL 2020) PROF. HARTSHORN

3.1 RECEIPT OF MINUTES BY EC

Draft minutes of the 104th Bureau Meeting were in the Agenda book for review only.

4. ACTION ITEMS FROM PREVIOUS MEETINGS PROF. HARTSHORN

The EC was asked to review the Consolidated Decisions and Actions to ensure no redundancy existed and to complete outstanding items. Professor Richard Hartshorn identified number 4 on the list which had no individual assigned. Mr. Colin Humphris clarified the item as relating to the Endowment and fundraising, in addition to promotion and communication of the value proposition IUPAC provides. Professor Hartshorn suggested that a sub-committee should be set up to address the item and Professor Brett suggested there be an action to nominate members of the sub-

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committee. Professor Christopher Ober suggested that a broader impact is important for communication strategy.

5. VICE PRESIDENT'S CRITICAL ASSESSMENT

PROF. GARCÍA-MARTÍNEZ

Professor Javier García-Martínez shared a power point presentation with the main points of the Critical Assessment. This included the conclusions of discussions with some Division Presidents and Chairs of Standing Committees and the information gathered from the Secretariat. Professor García-Martínez discussed elements of transition to online activities. Further, IUPAC modification of Statutes and Bylaws may be done solely online with electronic voting now possible. Video conferencing has allowed many members and groups to meet online successfully, however, some disadvantages to online meetings remain the time limitation and inconvenience in timing at different locations. Holding major chemical conferences online has proven to be challenging, but other chemical societies have gained a wider presence this way, and IUPAC has moved slowly in contributing to the chemistry field. He emphasized that there are too numerous people at some meetings and infrequent meetings may hold back the organization. Setting priorities on spending funds we save from travel costs is crucial. He will submit a formal report in the future on this topic.

6. FINANCE AND BUDGETS

MR. HUMPHRIS/DR. SOBY

6.1 REPORT ON CURRENT FINANCIAL SITUATION (CF 2020-2021 BUDGET)

Mr. Humphris referred to the financial report in the Agenda book for details on IUPAC finances. He reported a budget surplus due to decreased travel and approximately \$300K outstanding from our 2020 NAO dues. Assuming payment of these dues, the \$270K outstanding loan can be eliminated to will give IUPAC greater flexibility. He referred EC members to the first draft of the budget in the Agenda book for additional information.

Mr. Humphris noted that running a large organization like IUPAC, its cost, and that the organization is currently not seeing the desired income due to issues related to COVID-19 leaves some financial uncertainty. Some elements of this include decreased publications and other entities who are having financial difficulty being unable to pay for IUPAC memberships.

The bottom line is that we are showing a significant positive income relative to a budgeted deficit.

6.2 PERFORMANCE OF INVESTMENT PORTFOLIO

Mr. Humphris reported the investment portfolio, which showed significant loss early on during this budget period, but had a substantial recovery. The Finance Committee agreed to retain the advisors who set up the current portfolio, which will remain under review. Mr.

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Humphris noted that the second year of the biennium may be more expensive than in the past year, but the costs are largely unknown at this point, due to the pandemic.

Professor Ober inquired about the overall financial outlook. Short-term the outlook is good, but the long-term outlook is unknown. Much of the future costs could be tied to travel costs, which may prove to be significantly more expensive. Professor Brett suggested additional questions be discussed offline, if needed.

6.3 ESTABLISHMENT OF ENDOWMENT MECHANISM

Mr. Humphris gave a brief overview of the status of the Endowment Fund. He discussed the IRS status of IUPAC in the United States and some minor legal questions related to the Endowment as well as the need to look for a Board for this Endowment. Some marketing and other beginning costs are unknown, and the Board would be accountable to the EC. Additional information can be found in the Agenda book. Professor Russell Boyd commented about the success of Endowment Funds, generally.

IUPAC is in the process of updating the resolution documents based upon legal review of the initial documents, which will require approval of the EC. This resolution outlines how the Endowment BOD will function.

6.4 NAO'S APPROACHING 12 AND 24 MONTHS IN ARREARS

Mr. Humphris referred EC members to the summary report in the Agenda book for 2020 NAO payments. 2021 payments received thus far are \$59,677. This income is not included in the 2020 income.

6.5 CASH FLOW STATUS

Cash Flow during 2020 is very different than previous years, owing to the restriction on travel and project claims.

6.6 BUDGET UPDATE FOR 2022-2023

A priority is to pay down the Margin, currently \$272,274, so as to avoid ongoing interest charges and to give maximum flexibility in 2021 and in anticipation of the next biennium. It helps balance the cash flow across the year for operations and is not intended as permanent borrowing.

7. ELECTION PROCESS – TIMELINE AND UPDATE

PROF. HARTSHORN

7.1 STATUS UPDATE

Dr. Lynn Soby gave an update on the upcoming election. She discussed nominations through the online form and reported that several organizations have already submitted their nominations.

8. REPORT OF ORGANIZATIONAL STRUCTURE REVIEW GROUP

DR. CESA

Professor Brett reiterated that there will be an additional EC meeting in two weeks to discuss the review group report in detail. Dr. Mark Cesa, Chair of the Review Group, joined the meeting and summarized the report and recommendations to the EC. Dr. Cesa discussed the approaches and tasks associated with the review group. The survey, sent to over 1700 respondents, resulted in suggesting IUPAC increase responsiveness, outline core activities, embrace technology, promote social equity and diversity, increase visibility, recruit top chemists and increase communication in all areas. Additionally, the Review Group suggested following new directions in chemistry, including emerging technologies and societal issues in chemistry and industry. Recommendations included in the report include evaluation and improvement on both structure and function of IUPAC to better meet the needs of the scientific community. Additions include an Executive Board, Division Standing Committee Board, and Council meeting in “off years”. Discussion around an additional EC meeting was discussed for the following week.

9. DEVELOPMENT OF INTERNAL POLICIES

PROF. HARTSHORN

Professor Hartshorn introduced information on working groups of the elected members of the Bureau to address internal policies for Harassment, Privacy, Document Retention and Destruction, Conflict of Interest, and Whistleblowers. The policies will be sent to the members of the EC in small packets for review and comments.

10. 2021 GA/CONGRESS, MONTREAL, CANADA

DR. SOBY/PROFS. BRETT, HARTSHORN

10.1 REPORT FROM ORGANIZING COMMITTEE – PROF. NEIL BURFORD

Prof. Burford discussed the status of the Organizing Committee’s work regarding IUPAC/CCCE 2021 Montreal 01 November 2020, the 51st IUPAC General Assembly (GA) and the 48th IUPAC World Chemistry Congress (WCC) in conjunction with the Canadian Chemistry Conference and Exhibition (CCCE). He reviewed the Organizing Committee membership for the EC: Kim Baines (Co-chair Technical program), Thomas Baumgartner, Neil Burford (Chair of Organizing Committee), Marc Janes, Joan Kingston, Keith Lapierre, Bruce Lennox (Chair of WCC), Jeremy Melanson (Co-chair Technical program), Shan Zou (GA Coordinator) with Advisors: Fabienne Meyers, Chris Ober and Lynn Soby. The

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expectation currently is that the GA will be in person, and the remainder of the events will be in-person and virtual, in a hybrid approach. The WCC will entail:

- Chemistry for Energy (Plenary speaker: Donald R. Sadoway)
- Chemistry for Health (Plenary speaker: Petra Fromme)
- Chemistry for Society (Plenary speaker: Zafra M. Lerman)
- Chemistry for Sustainability (Plenary speaker: Paul Anastas)
- Chemistry at the Frontiers (Plenary speaker: TBA)

There is a total of 59 symposia for a capacity of 225 half day sessions. Abstract submission opens December 2020. Identifying speakers of diverse locale was discussed, as well as registration fees and live presentations vs. prerecorded was identified as additional concerns. Prof. Garcia-Martinez recognized that the plenary speakers lack diversity in locale and gender and asked Prof. Burford to discuss modifications with organizing committee to better balance gender and location diversity. Planning for the GA has continued for in-person attendance and possible hybrid and virtual options.

10.2 GA SCHEDULE

GA schedule is modeled after previous General Assemblies and assumed normal in-person meeting in Montreal. Any future decisions regarding Hybrid or virtual meeting of the GA will be decided at a later date.

10.3 CHANGES TO STATUTES AND BYLAWS TO ENABLE A VIRTUAL, HYBRID OR IN-PERSON COUNCIL MEETING

Professor Brett discussed proposing alterations to statutes and bylaws to enable a hybrid or entirely virtual meeting of the Council. The next step will be to go to the NAO's for their consideration. Voting on the proposed changes will be held at a special council meeting prior to 22nd April 2021.

10.4 WCLM 2021

Professor Christopher Ober first acknowledged that Dr. Soby wrote the WCLM report and outlined the theme focused on Artificial Intelligence (AI) and the impact that AI may have on the broad Chemistry endeavors. Additional information was given on panels being recorded in advanced and details continue to develop.

10.5 YOS AND RYOS ENGAGEMENT

Dr. Lynn Soby noted that NAO's are planning to hold the Young Observer program during the Congress in Montreal, either in person or in hybrid format.

11. IUPAC 100 LEGACY ACTIVITIES

PROF. GARCÍA-MARTÍNEZ

11.1 GLOBAL WOMEN'S BREAKFAST (GWB)

Dr. Lynn Soby reported on the GWB2021 planning scheduled for February 9, 2021, and the theme, "Empowering Diversity in Science."

11.2 PERIODIC TABLE CHALLENGE 2.0 (PTCh)

This legacy activity of IUPAC100 has been a tremendous success. Professor García-Martínez, summarized the PT Challenge statistical analysis as of October 26, 2020. Of note is that the Challenge is available in several languages, which has resulted in over 150 countries participating. Dr. Soby requested that the officers take the challenge, as well, to energize the population.

11.3 PERIODIC TABLE OF YOUNGER CHEMISTS (PTYC) TO CHEMVOICES

In Dr. Laura McConnell's absence, Dr. Lynn Soby briefly discussed this legacy project which includes a registered website at, <https://chemvoices.org/>. Additional details can be found in the Agenda book.

11.4 TOP TEN TECHNOLOGIES 2020

Professor García-Martínez, reported on the activities across social media platforms. Additional information is available in the Agenda book.

11.5 COLLABORATION WITH IYCN

There was no new information to report on IYCN.

12. INTERNATIONAL YEAR OF BASIC SCIENCES FOR SUSTAINABLE DEVELOPMENT PROF. BRETT

Professor Brett discussed the progress of the IYBBS. Following the approval by UNESCO 40th Session of the General Conference in November 2019, they have the support of about 30 Unions or large research centers signed or committed to sign MoUs. He emphasized that IUPAC is committed to a contribution of 5000 Euros before the end of 2021 and a further 5000 Euros before the end of 2022.

13. BID INTENTIONS FOR 2027

DR. SOBY

Bids for the 2027 World Chemistry Congress and General Assembly were posted October 8, 2020 on the IUPAC website. Dr. Soby announced that the IYPT 2019 final report has been posted to the UNESCO site.

14. STATUS REPORT ON IUPAC SECRETARIAT

DR. SOBY/PROF. HARTSHORN

14.1 WEBSITE, INFORMATION SYSTEMS, SOCIAL MEDIA

Dr. Soby gave a brief presentation regarding movement from local storage at the IUPAC Secretariat office to Cloud-based storage of information, including accounting information. Transition of the Server will be completed by the end of 2020. The web platforms used by the Secretariat are numerous and listed in the presentation. The IUPAC website continues to be updated regularly, and the IUPAC social media presence extends to Twitter, Facebook, YouTube and LinkedIn and other sites.

14.2 TRAINING FOR WEBSITE CONTENT MANAGERS

The website content editor training is ongoing. Dr. Soby reviewed whom in each Division and Committee is responsible for each.

14.3 STAFF RESPONSIBILITIES

Secretariat staff continue to work in their assigned content areas.

14.4 SUCCESSION PLANNING – EXECUTIVE DIRECTOR

Professor Hartshorn reviewed the plan for initiating a search process to choose a successor for Dr. Soby, who will retire in October of 2022. Planning for budget allowances to cover recruiting and overlap of Executive Directors will be included into the budget for 2022.

15. PUBLICATIONS

MR. HUMPHRIS/DR. SOBY

15.1 STATUS REPORT *CHEMISTRY INTERNATIONAL AND CI DIGITAL UPDATE*

The CI Editorial Board recently met to make recommendations regarding a fully digital method of delivery. Mr. Humphris reviewed the status of communication with DeGruyter, their change in staff and anticipation of a December presentation of options for publications. A request was made that DeGruyter produce agreements to extend the contracts to 2023 for both CI and PAC. EC members were asked to support the extension and endorse the move to all digital delivery. A short discussion was centred around the paper copies and decision to go forward with contract and cease paper version of publications is delayed until November 25, 2020 EC Meeting.

15.2 STATUS REPORT *PURE AND APPLIED CHEMISTRY*

Additional Information for review in Agenda book.

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15.3 VIRTUAL PUBLISHING AND DATABASES

15.3.1 IUPAC Standards On-Line with DeGruyter

The IUPAC Standards on-line database continues to be bundled with PAC Subscriptions. We received 570 € for 2019 subscriptions. More effort should be made to feature the database (open access) within IUPAC and through our communications channels.

15.3.2 Status update of IUPAC SDS Database and engagement with American Institute of Physics (AIP)

Dr. Soby gave a summary of the work on an on an agreement that outlines multiple issues-particularly the IUPAC Intellectual Property ownership of the SDS.

15.4 CI EDITORIAL BOARD [CH]-SEE ITEM 15.1

15.5 PAC EDITORIAL ADVISORY BOARD

The PAC EAB has yet to meet in 2020. The next meeting will take place in the next weeks, and the principal issues will center on content and the direction for the next year. With fewer conferences, there are less submissions for the journal. However, initiating special issues may be another possibility.

15.5.1 Update on the IUPAC position on Open Access, and discussions with DeGruyter

15.6 BOOK PUBLICATION STATUS

The launch of the Gold Book is on-line and will need further work to get Divisions inputs on terms (from 2006-today). The Orange Book (RSC) is behind schedule (2019) and is in ICTNS review. The 5th Volume of Janos Fischer's book, Developments in Drug Discovery is in progress, with all royalties to IUPAC. Glossary of Terms in Molecular Toxicology was completed in May 2020 (RSC) <https://doi.org/10.1039/9781839160714>.

There are 10 current projects involving IUPAC books at this time.

16. IUPAC COMMITTEE FOR ISC

PROF. BRETT (FOR PROF. ZHOU)

16.1 UPDATE ON ISC

Report of the ISC Committee to the 2020 November EC meeting.

Support for 4 applicants to ISC:

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On 14 October 2020, President Professor Chris Brett received the email from ISC asking if IUPAC as an ISC member would be willing to support the applications for ISC membership from the following four organizations:

- Sénégal: Académie Nationale des Sciences et Techniques du Sénégal (ANSTS), for admission as an “ISC Member Organization”
- International Union of Biochemistry and Molecular Biology (IUBMB), for admission as an “ISC Union and Association”
- Institute for Global Environmental Strategies (IGES), for admission as an “ISC Affiliated Member”
- Organization for Women in Science for the Developing World (OWSD), for admission as an “ISC Affiliated Member”

ISC asked IUPAC to send out statements of support for the applicants by 15 November 2020. The opinion of our president Professor Chris Brett is to support all 4 applications; from the documentation, they all appear to have the right profile, aims and mission for the respective types of ISC member. The EC decided to support the four organizations. Prof. Brett will send IUPAC’s support for the four applicants.

Highlight of recent communications from ISC were presented in the detailed Agenda. Of note was a call for expressions of interest to host a regional presence of the ISC Global Secretariat, the announcement of the ISC Awards Program, the acceptance of five new members and two surveys (1) concerning investment in science in a sustainable way (Bureau members were asked for input and (2) concerning the future of scientific publishing (Leah McEwen and Bonnie Lawlor and others provided input). A full report of the survey responses was noted in the Agenda book.

16.2 GENDER EQUALITY IN SCIENCE

Professor Brett discussed the first meeting of the Standing Committee for Gender Equality in Science took place via the BigBlueButton platform on September 12, 2020. Mark Cesa and Mei-Hung Chiu attended the meeting on behalf of IUPAC. During the meeting, Catherine Jami from IUHPST was elected as the chair and Guy Smaghe from IUBS was elected as the vice chair of SCGES. A logo of the SCGES was approved and the website was established at the end of October of 2020. Their activities can be found on their site at <https://gender-equality-in-science.org>.

16.3 COMMENTARY ON FINANCIAL HEALTH

The ISC Financials were reviewed, and Mr. Humphris recommended that IUPAC should continue to monitor this situation closely.

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16.4 INPUT TO OPEN SCIENCE REQUESTS

Professor Brett briefly commented on the summary report prepared by Leah McEwen and Bonnie Lawlor, found in the Agenda book.

17. REPORTS FROM OTHER “ON” ORGANIZATIONS

PROF. BRETT

The reports from the ON representatives were taken as received by the Executive Committee.

BIPM CCU [Professor Roberto Marquardt]

CITAC [Professor Ilya Kuselman] COVID-19

CODATA [Jeremy Frey/Richard Hartshorn]

EuCheMS [Professor Christopher Brett]

FACS [Professor Qi-Feng Zhou]

FLAQ [Professor Javier García-Martínez]

IUPAP [Professor Christopher Brett]

OPCW [Christopher Brett]

UNESCO PhosAgro IUPAC [Christopher Brett]

18. STATUS OF COMPANY ASSOCIATES PROGRAM

MR. HUMPHRIS

The number of Company Associates is currently 24 for 2020 with 6 Direct through IUPAC and remainder through a CA Coordinator. Of the 34 CA's there are 3 Permanent and 2 having 25 years paid membership. In 2021, all CAs will be charged at the \$2,500 level. IUPAC receives \$1,500 per CA from a coordinator and full \$2,500 for 2020. The number of 2019 CAs was 33. Japan has not paid for their 2019 CAs and Dr. Soby is currently working with them to get payment. The CA renewals are currently in process and usually “trickle in” during first quarter, but most have still not paid for 2020.

19. STATUS OF AFFILIATE MEMBERSHIP PROGRAM

MR. HUMPHRIS

The 2020 IUPAC Direct AMPs paid at \$50.00 and included a digital access to Chemistry International. Those who wanted a print copy paid a fee of \$25.00 for CI. The AMP Coordinated program provides \$30.00 to IUPAC and \$25.00 for print CI. There were 75 print copies from Country coordinated program and 42 from IUPAC Direct. No members opted for a print copy in 2020, which is also \$25.00. DeGruyter's price for CI in 2020 is 72 Euros. For A summary of the IUPAC 2019 AMPs is shown below:

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The Societies were well under expected and budgeted revenue whereas the IUPAC Direct was well over budget.

The 2021 AMP renewals began 30 September 2020. The AMP numbers are under the 2020 July-October timeframe (22).

20. PROJECTS IN REVIEW

DR. SOBY/PROF. GARCÍA-MARTÍNEZ

20.1 PROPOSALS IN REVIEW

Professor García-Martínez, gave a presentation updating the EC on current and recent submission of projects. There have been 18 project proposals in 2020, 13 of which have been recorded as “approved” to this date. Geographical diversity is a concern in these submissions. There have been 22 projects completed thus far in 2022, with 11 of these having completed substantial website repositories of data or new websites. There are 2 book proposals currently in review, which is significantly lower than comparable timeframes in past years. In addition, 12 projects were terminated. Quality project proposals need to be continually encouraged. Overall, the project system is successful considering IUPAC’s limited funds. A survey was also conducted with Division and Committee heads.

20.2 PROJECT AND FINANCIAL REPORT

Dr. Soby referred the EC to the September 30, 2020 project and financial report is in the Agenda book for detailed information.

21. EVALUATION COMMITTEE UPDATE

PROF. GARCÍA-MARTÍNEZ

21.1 EVALUATION SUB-PROJECTS STATUS OVERVIEW

Additional information will be provided at a later date.

21.2 ADDITIONAL EVALUATION EFFORTS

Prof. Garcia-Martinez provided an overview of the current work of the Evaluation Committee and stated that an interim report of the Evaluation Committee will be presented at the next EC meeting. This includes the information gathered from the survey we completed to identify weaknesses, risks, and opportunities in the current situation, an extensive analysis of the projects, including number of projects per division and committee, status, outcome, and diversity and inclusive in the composition of the task force members. He stated that the Committee has also evaluated our relationship with our stakeholders, including NAOs, chemical societies, and our representation on international organizations. Some recommendations are made to improve our impact and relevance.

22. OPCW HAGUE AWARD

PROF. BRETT

The OPCW Hague Award given to IUPAC in 2019 for 30,000 Euros was brought for discussion by Professor Brett. EC members were asked for input on where the funds should be spent. EC members agreed that both Chemistry Education and capacity building in less developed countries, as well as Sustainable Development are important initiatives. Professor Hartshorn supported the safety training initiative, specifically, and the topic will be continued for a brief discussion at the November 25, 2020 EC Meeting.

23. INCHI TRUST

PROF. HARTSHORN

The Trust Board is considering significant changes in both the way that software development is managed and in staffing. Professor Richard Hartshorn expressed thoughts around Cheminformatics standards and the possibility that the Trust may expand its membership if there seems to be a wider benefit to other organizations joining. He also noted that COVID-19 has had a limited impact on the Trust.

24. 2020-2021 IUPAC/SOLVAY AWARD

DR. SOBY

Dr. Soby noted the call for submissions for the 2021 IUPAC/Solvay award was released August 5, 2020 with deadline for submissions February 15, 2021. A new Codicil was put in place to extend the agreement for two more biennia 2022/23 and 2024/25 with original terms.

25. CONFERENCE ENDORSEMENT/SPONSORSHIP PROGRAM

DR. SOBY

25.1 CONFERENCE ENDORSEMENT/SPONSORSHIP PROGRAM

Dr. Soby noted that many if not all 2020 conferences have been moved to 2021, 2022 or cancelled due to COVID-19. Conference details may be found on the website under Events.

25.2 RATIFICATION OF ENDORSEMENT/SUPPORTED SYMPOSIA

A Ratification will be held at the EC meeting on November 25, 2020.

26. NEXT BUREAU MEETING

DR. SOBY/PROF. BRETT

26.1 PROCESS FOR VIRTUAL 2021 BUREAU MEETINGS (JAN-FEB/APRIL PRE-GA)

2021 virtual meetings will be discussed at the November 25, 2020 meeting.

27. DATES OF 2021 EXECUTIVE COMMITTEE MEETING

PROF. BRETT

To be discussed at the November 25, 2020 EC meeting.

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28. ANY OTHER BUSINESS

ADJOURN

THESE MINUTES ARE VERIFIED TO BE ACCURATE AND CORRECT.

DATE

PROFESSOR CHRISTOPHER BRETT- SECRETARIAT GENERAL

DATE

DR. LYNN SOBY- RECORDED SECRETARY

International Union of Pure and Applied Chemistry

159th MEETING OF EXECUTIVE COMMITTEE-PART II

Virtual Meeting November 25, 2020, 12.00 EST

APPROVED MINUTES

1. INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA PROF. BRETT

Attendees: Professor Christopher Brett (Chair), Professor Richard Hartshorn, Professor Javier García-Martínez, Mr. Colin Humphris, Professor Russell Boyd, Professor Christopher K. Ober, Professor Mei-Hung Chiu, Dr. Lynn Soby

Secretary: Dr. Lynn Soby (Executive Director)

Guests: Dr. Mark Cesa, Professor Neil Burford, - Prof. Ito Chao, Dr. Michael Droescher

Apologies: Professor Qi-Feng Zhou

Professor Christopher Brett welcomed all participants and members of the Executive Committee (EC) and thanked everyone for joining the meeting.

2. MINUTES OF 158TH (TOKYO, JAPAN 06 DECEMBER 2019) 2019 MEETING OF EXECUTIVE COMMITTEE PROF. BRETT

- The draft minutes of the 158th 2019 Executive Committee meeting were received by the EC and approved to seek Bureau Approval.

3. CI EDITORIAL BOARD RECOMMENDATIONS MR. HUMPHRIS

Mr. Colin Humphris gave a summary of the recommendations made to the Executive Committee by the CPCDS.

- 3.1 The CI Editorial Board endorsed the CPCDS recommendation to proceed towards a fully digital format for CI.
- 3.2 The CI Editorial Board requested endorsement for a move to CI being freely available to raise the profile of IUPAC in the Chemistry community.
- 3.3 The CI Editorial Board recommended that IUPAC extend the existing De Gruyter agreements as follows:
 - a. Extend to end in 2023 to provide time to evaluate and vet the new De Gruyter platform fully for its suitability for Digital CI.
 - b. To bring the PAC, CI, and PAC Database agreements onto the same timescale.
 - c. To create an agreement for Chemistry Teacher International also on the same timescale.

- The EC unanimously approved the recommendations put forward by CPCDS regarding CI publication and dissemination, the PAC Database agreements and CTI changes.

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4. REPORT FROM THE REVIEW GROUP

EC MEMBERS WITH REVIEW GROUP

Professor Brett reviewed conclusions from an informal meeting of the Review Group and the EC on 20th November 2020. These are items to be decided in either December of 2020 or January of 2021. There were four items of concern from the Review Group Report:

- Number of Elected members on the Executive Board.
- The Report was not making visible the ongoing work of IUPAC and some of the suggestions being made, including some of the suggested changes to the website and some items currently in progress or completed in the Secretariat and Committees.
- The proposal of adding 3 new Standing Committees, possibly an Ethics Committee and a Diversity and Inclusion Committee, which also may be combined, as well as a History Committee to advise the EC and possibly the Bureau or Council.
- In the report, the Social Equity statements may not be in line with IUPAC's non-political standards and may need revision.

Prof. Brett suggested that any notes of modifications to the report be reviewed later in December 2020, or if needed, sometime in January of 2021. Further, the Bureau should not be tasked with following up on all points in the report, but just to give direction for IUPAC and put forward information.

Prof. Hartshorn discussed the procedure of delivery of the Review Group Report to go to Council. The EC and Bureau should have the opportunity to respond to the initial direction of the Review Group prior to it going to Council. The EC and Bureau may highlight any problems or correct any issues that it is recommending to Council, including any revisions and additions to Statutes and Bylaws.

The Review Group Final Report will be disseminated in the next few weeks and commentary will be added before it is given to Bureau. Delivery to NAO's should be done at the same time.

A formal vote on changing IUPAC Governance structure was proposed. Prof. Brett requested that the EC vote on changing the governance structure from Bureau to Executive Board and Science Board

-The EC approved changing the IUAC Governance Structure from Bureau to Executive Board and DPSCC.

5. 2021 GA/CONGRESS, MONTREAL, CANADA

DR. SOBY

Dr. Soby updated the EC on current information regarding the Canadian organizing committee's status of the 2021 48th World Chemistry Congress and 51st General Assembly. A major concern is the financial commitment of CAN 300,000 or more. Additionally, the Canadian organizing committee expressed interest in bidding on the 51st Congress for 2027, in order to have one of the meetings in North America. The Executive Committee was asked for their input/opinions on a

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possible 100% Virtual WCC/GA. Prof. Brett commented that the virtual experience may be a better experience for the viewing audience and there are many additional options for expanding the reach and global experience within the virtual platforms. A more diverse range of speakers will also be possible using virtual platforms.

6. OPCW HAGUE AWARD

PROF. BRETT

Prof. Brett updated the EC on the previous discussion regarding an online STP course to be held in September, which will involve 15 to 20 persons, which will get funding directly from the Uruguay State Party. First use will be for capacity building in less developed countries, and to ensure the safe and environmentally friendly use of chemical technologies. The OPCW award grant from IUPAC will be determined through the project proposal process and likely fund up to USD 8,000 of the total cost.

- The EC unanimously approved funding for the STP online course for September of 2021.

7. CONFERENCE ENDORSEMENT/SPONSORSHIP PROGRAM

DR. SOBY

For the time period of November 2019 through October 2020, there was **1** financially supported conference and **4** IUPAC Endorsed conferences approved, although not all have or will take place.

Approval Date (Letter)	Conference Title	Location (City/Country)	Date of Conference	FSC #
3/2/2020	World Forum on Advanced Materials and "Short Course on Polymer Characterization" (POLY-CHAR 2021)	Auckland, New Zealand	25-29 January 2021	
11/12/2019	Frontiers in Chemical Technology - 2020	Colombo, Sri Lanka	17-19 June 2020	2019-030-1-FSC
11/19/2019	Joint congress: IBS 2020 and ECB 2020	Maastricht, Netherlands	28 June - July 2020	
12/12/2019	5th International Conference on Contaminated Land, Ecological Assessment & Remediation (CLEAR 2020)	London, UK	13-15 May 2020	
12/12/2019	Nature Inspires Creativity Engineers (NICE 2020)	Nice, France	11-14 October 2020	

- The EC unanimously approved the endorsement of the conferences.

8. NEXT REGULAR BUREAU MEETING

DR. SOBY/PROF. BRETT

8.1 THE DATE FOR THE FIRST REGULAR 2021 BUREAU MEETING IS APRIL 10TH 2021

Reports will be due March 29, 2021.

- The next meeting of the Special Council of the NAO's will take place on May 5, 2021.

8.2 THE THE PRE-GENERAL ASSEMBLY MEETING IS JULY 10TH 2021

159th MEETING OF EXECUTIVE COMMITTEE- PART II

APPROVED MINUTES

Reports will be due June 19, 2021.

9. DATES OF 2021 EXECUTIVE COMMITTEE MEETING (PRE-GA)

PROF. BRETT

9.1 THE DATE FOR THE PRE-GENERAL ASSEMBLY MEETING WILL BE THE WEEK OF JUNE 28TH, 2021

ADJOURN

THESE MINUTES ARE VERIFIED TO BE ACCURATE AND CORRECT.

DATE

PROFESSOR CHRISTOPHER BRETT- SECRETARIAT GENERAL

DATE

DR. LYNN SOBY- RECORDED SECRETARY