

**MINUTES**  
**COUNCIL**  
**AMERICAN CHEMICAL SOCIETY**  
August 25, 2021  
Virtual Council

After affording each member of the Council the opportunity to sign onto the Virtual Council platform, confirming that the Councilors could see and hear the meeting and ask questions at the designated times, the Council of the American Chemical Society met virtually on August 25, 2021, beginning at 11:00 a.m. ET. H.N. Cheng, President of the Society and of the Council, presided. The following Councilors, Alternate Councilors, and accredited representatives totaling 456 were present (attendance list attached):

**Ex-Officio:** 37; **Bylaw:** 1; **Divisions:** 85 (7 were Alternate Councilors); **Local Sections:** 326 (18 were Alternate Councilors, and 1 Temporary Substitute Councilors); and 20 Nonvoting/Noncouncilors (staff and others). Approximately 55 observers were in attendance.

Resolutions

The Council ADOPTED the following resolution as presented by ACS Director Christina Bodurow:

1. BE IT RESOLVED that the Council, Board of Directors and Staff of the American Chemical Society note with profound sorrow the passing of their colleague and friend Helen Murray Free, a longtime dedicated and active member of the Society, remembering with admiration and deep appreciation her service to the Society as its President in 1993, a member of the Board of Directors from 1983 to 1985, 1988 to 1990, 1992 to 1994, and 1996 to 2001, a member or chair of numerous ACS bodies, and a member of the Society for 76 years.

Helen was a pioneering woman leader of the ACS and an inspiration, role model, and mentor for generations of women in chemistry. She is remembered especially during her time in the ACS Presidential Succession as an esteemed champion of public outreach, demonstrating her firmly held conviction that chemistry is a discipline that can be grasped by individuals of any age. The Society honored Helen and Alfred Free with a National Historic Chemical Landmark designation in 2010 for the first diagnostic test strip for detecting glucose in urine, which revolutionized the management of diabetes and kidney disease.

We have all benefited from her enthusiasm, wisdom, and encouragement. She was a living embodiment of “improving all people’s lives through the transforming power of chemistry”. The Society’s members and leaders honor her memory and her contributions to the chemistry enterprise and to the ACS, and extend sincere condolences to her nine children, 17 grandchildren, nine great-grandchildren, and colleagues and friends.

The Council ADOPTED the following resolution as presented by ACS Past President Peter K. Dorhout:

2. BE IT RESOLVED that the Council, Board of Directors and Staff of the American Chemical Society note with sorrow the passing of their colleague and friend Daryle H. Busch, recalling with appreciation his service to the Society as its President in 2000, a member of the Board of Directors from 1999-2001, Councilor for the Columbus Local Section from 1976 to 1978 and 1986 to 1988, a member or chair of numerous ACS bodies, and a member of the Society for 69 years.

Daryle is remembered by his peers in the Society and the chemical education community for his leadership in the development of initiatives to strengthen the nation's science education system and overall science policy; his courageous foray into the national debate about the role of natural evolution in science education curricula; extending ACS's global reach by sharing the Society's vision with sister societies worldwide; his unbending support of the Society's diversity program; and his diligence and commitment to environmental responsibility and stewardship and in the successful effort to add the ACS Green Chemistry Institute® to the ACS family.

The Society's members and leaders honor his memory and his contributions to the chemistry enterprise and to the ACS, and extend sincere condolences to his wife Jeri, his family, his colleagues, and friends.

The Council ADOPTED the following resolution as presented by Council Policy Committee (CPC) Vice-Chair Martin Rudd:

3. BE IT RESOLVED that the Council of the American Chemical Society commemorates the passing of the following Councilors, remembering them with respect and affection, and extending sincerest condolences to their families in their bereavement:

- Dr. Esther A.H. Hopkins, Retired, Massachusetts Department of Environmental Protection and Councilor for the Northeastern Section from 2008 to 2019.
- Ms. Jane V. Thomas, Retired, Wyoming Analytical Labs and Councilor for the Wyoming Section from 1997 to 2008 and 2016 to 2018.
- Dr. Mark D. Frishberg, Retired, Vice President of JenKem Technology USA and Councilor for the Rochester Section from 1991 to 1995 and the California Section from 2007 to 2011 and 2015 to 2021.

Councilors observed a moment of silence following the presentation of the preceding resolutions.

#### Approval of Minutes

4. The Council ADOPTED, without objection and as distributed the minutes of the meeting of March 24, 2021.

#### Nominations and Elections

**Amber S. Hinkle**, chair, Committee on Nominations and Elections (N&E), introduced the candidates for election to the Council Policy Committee (CPC), the Committee on Nominations and Elections, and the Committee on Committees (ConC):

5. In accordance with the provisions of Standing Rule IV, Sec. 1, a, (3), the Committee on Nominations and Elections presented the following nominees for election to membership on the Council Policy Committee beginning in 2022: Mark A. Benvenuto, Arindam Bose, James C. Carver, Gregory Ferrence, Donna G. Friedman, Matthew Grandbois, Fran K. Kravtiz, and Louise M. Lawter. By electronic ballot, the Council ELECTED Donna G. Friedman, Matthew Grandbois, Fran K. Kravtiz, and Louise M. Lawter for three-year terms (2022-2024) on the Council Policy Committee.

6. In accordance with the provisions of Standing Rule IV, Sec. 1, a, (3), the Committee on Nominations and Elections presented the following nominees for election to membership on the Committee on Committees beginning in 2022: Rodney M. Bennett, Mary K. Engelman, George L. Heard, Malika Jeffries-El, Brian M. Mathes, Susan J. Olesik, Donovan R. Porterfield, Daniel Rabinovich, Susan M. Schelble, and Joseph P. Stoner. By electronic ballot, the Council ELECTED Mary K. Engelman, Malika Jeffries-El, Brian M. Mathes, Susan V. Olesik, and Susan M. Schelble for three-year terms (2022-2024) on the Committee on Committees.

7. In accordance with the provisions of Standing Rule IV, Sec. 1, a, (3), the Council Policy Committee presented the following nominees for election to membership on the Committee on Nominations and Elections beginning in 2022: Allison Aldridge, Christopher J. Bannochie, Ella L. Davis, Holly L. Davis, Peter K. Dorhout, Kenneth P. Fivizzani, Thomas R. Gilbert, Silvia Ronco, Martin D. Rudd, and Frankie K. Wood-Black. By electronic ballot, the Council ELECTED Allison Aldridge, Holly L. Davis, Peter K. Dorhout, Silvia Ronco, and Martin D. Rudd for three-year terms (2022-2024) on the Committee on Nominations and Elections. The initial round produced a tie vote for fifth place and was resolved by a run-off.

#### Reports of Society Officers

**President H.N. Cheng** reported the following: Growth, Collaboration, and Advocacy continue to be the Presidential theme of his initiatives, focusing on various ways to grow the chemical enterprise. He outlined the various symposia he is organizing with other divisions, as well as focused webinars. He concluded by detailing his participation in a myriad of virtual events, both domestically and internationally.

**President-Elect Angela Wilson** reported the following: She stated that her Presidential priorities are on communication with the public and advocacy; future workforce; diversity, equity, inclusion and respect; and partnerships and entrepreneurship. Her symposia will be focused on chemistry and the economy, changing horizons in energy, COVID and chemistry, and hidden disabilities. She concluded her report with a challenge for Councilors to engage with younger chemists by hosting a networking event, or a career discussion with networking opportunities.

**Board Chair Paul Jagodzinski** reported the following: The Board had only completed the first half of its Executive Session, but had heard reports from ACS Officers, the Governing Board for Publishing, and the Chief Executive Officer. On the recommendation of the Committee on Publications, the Board approved the reappointment of several Editors-in-Chief for ACS journals. During the second part of Executive Session, it plans to hear reports from the Committees on Executive Compensation and Education, and the Governing Board of the American Association of Chemistry Teachers (AACT) and the Advisory Board for the ACS Green Chemistry Institute®.

**Chief Executive Officer Thomas M. Connelly, Jr.** reported the following: The ACS and CAS buildings have entered Phase I for reentry, with the timing for Phase II yet to be determined. The Office of Diversity, Equity, Inclusion and Respect (DEIR) has assumed an important role, working with multiple governance units to advance DEIR in ACS, and throughout the chemistry enterprise. New Membership categories were announced, and Councilors were encouraged to review the different packages. Dr. Connelly announced the pending retirement of Dr. Mary Kirchoff, Executive Vice President for Scientific Advancement. He concluded his report by stating that ACS is on track to meet its five Financial Guidelines for the fourth consecutive year.

#### Reports of Society Elected Committees

##### Council Policy Committee (CPC)

**Martin Rudd**, committee vice-chair, reported the following: He thanked Councilors for participating in the two mock meetings of Council, as those preparations helped to enhance the experience for the virtual Council. CPC offers concurrence on the two items from ConC: recommendation for continuation of the Committee on Environmental Improvement, and the petition to amend the duties of the Committee on Minority Affairs. In its third action, CPC concurs with the request to approve the revised edition of the Professional Employment Guidelines from the Committee on Economic and Professional Affairs. CPC's two working groups continue to tackle several issues: exploring the future formats and timings of Council Meetings, and ensuring representation of all ACS members on Council, including those within the United States and overseas with input from the Committees on International Affairs, Local Section Activities and Divisional Activities.

Committee on Committees (ConC)

**Diane Krone**, committee chair, reported the following: After a Strategic Planning Retreat, the committee approved its redefined vision and mission statements, as well as the goals and strategies for 2021 and beyond. ConC will again conduct a Committee Census (formerly called the Committee Demographic Survey) of all Society Committee personnel, including the members of committees elected by Council, in February 2022.

8. The Council VOTED, on the recommendation of the Committee on Committees, and with the concurrence of the Council Policy Committee, that the Petition to Amend the Duties of the Committee on Minority Affairs be approved.

9. The Council VOTED, on the recommendation of the Committee on Committees, and with the concurrence of the Council Policy Committee, that the Committee on Environmental Improvement be continued.

Ms. Krone concluded her report by recognizing committee chairs who will have served the statutory limit or have otherwise completed their service on committees, and Councilors who have served for 15, 20, 25, 35, 40, and 45 years.

Nominations and Elections (N&E)

**Amber S. Hinkle**, committee chair, announced the results of the morning's elections for the four candidates elected to the Council Policy Committee (2022-2024): Donna G. Friedman, Matthew Grandbois, Fran K. Kravitz, and Louise M. Lawter; five candidates elected to the Committee on Committees (2022-2024): Mary K. Engelman, Malika Jeffries-El, Brian M. Mathes, Susan V. Olesik, and Susan M. Schelble; and five candidates elected to the Committee on Nominations & Elections (2022-2024): Allison Aldridge, Holly L. Davis, Peter K. Dorhout, Silvia Ronco, and Martin D. Rudd.

She announced that a Virtual Town Hall meeting for Councilors to hear from the candidates for Director-at-Large will take place on September 21. Ballots for the 2021 Fall National Election will be distributed starting September 27, with a voting deadline four weeks later on October 22. Election results will be announced on October 26. The candidates on the ballot for the 2021 national elections were presented to the Councilors. N&E approved a statement on encouraging and promoting diversity and inclusion in opportunities for ACS national leadership as part of its slate development process.

Economic and Professional Affairs (CEPA)

**Eric Bruton**, committee chair, reported the following: The ACS 2021 Salary & Employment Data Survey went out in May 2021 and the data is being analyzed. CEPA's Career Consultant Program, and ACS Career Events, continued this year with virtual offerings for members. CEPA continues to develop and recruit new Career Consultants and its first global Career Consultant, based in India, was approved this year.

10. The Council VOTED, on the recommendation of the Committee on Economic and Professional Affairs, and with the concurrence of the Council Policy Committee, that the updated Professional Employment Guidelines be approved.

Analytical Reagents (CAR)

**Tom Tyner**, committee chair, reported the following: To help stimulate diversity within the committee and increase vital testing resources necessary for the committee to achieve its goals, we are in the final stages of developing and implementing an exciting new University Partnership Program. The committee has updated 26 existing monographs and has recently published specifications for a new reagent, Rhodamine B.

#### Budget and Finance (B&F)

**William Greenlee**, committee chair, reported the following: For 2021, through June 30, ACS generated a Net Surplus from Operations of \$55 million, which was almost \$33.6 million higher than budget. Total revenues were \$324.4 million, 4.3% favorable to budget. Expenses for the year were \$269.4 million, 7% below budget. The Society's sources of net contribution totaled \$86.1 million and included Information Services and Investments. These sources funded net expenses associated with Society Programs. The Society's financial position strengthened considerably in 2021, with Unrestricted Net Assets, or reserves, at \$645 million as of June 30, 2021.

#### Chemical Safety (CCS)

**Kirk Hunter**, committee chair, reported the following: In partnership with the Division on Chemical Health and Safety (CHAS), the committee published a new video titled "Quality Data for Safer Experiments." The committee contributed to the inventory of safety resources in the new ACS Center for Lab Safety.

#### Chemistry & Public Affairs (CCPA)

**Donald Wink**, committee member, reported the following: CCPA has focused on the issue of sustainability and the role chemistry plays in creating a more sustainable future. To promote the ACS sustainability policy statements, CCPA has joined forces with the Committee on Environmental Improvement to create the new CCPA-CEI ChemLuminary Award for Outstanding Promotion of the Society's Sustainability Position Statements.

#### Chemists with Disabilities (CWD)

**Michelle Cummings**, committee chair, reported the following: The committee has created a series of videos to highlight disabled chemists and the unique abilities they bring to their professional career. The committee is working on updating the "Teaching Chemistry Students with a Disability" resource guide. The committee is organizing an ACS Webinar entitled "Service Dogs in the Lab" that will provide information regarding accommodations for persons with disabilities involved in chemistry.

#### Community Activities (CCA)

**Holly Davis**, committee chair, reported the following: The full theme of National Chemistry Week 2021 is "Fast or Slow... Chemistry Makes It Go!" A new suite of resources addressing Safety in Outreach Settings will be released later this year. An ACS Webinar was hosted, titled "How to Maximize the Impact of Science Outreach," that highlighted the latest thinking in effective informal science education. Lastly, the theme for Chemists Celebrate Earth Week in 2022 will be "The Buzz About Bugs: Insect Chemistry."

#### Divisional Activities (DAC)

**James M. Takacs**, committee chair, reported the following: After the Spring Meeting, the committee funded five Innovative Project Grants (IPG) applications totaling almost \$34,000. DAC has scheduled a Virtual Strategic Planning Retreat in November and will reach out to ACS Division and Committee stakeholders for their thoughts on the role of DAC in divisions.

#### Education (SOCED)

**Carmen Gauthier**, committee chair, reported the following: SOCED congratulated the U.S. National Chemistry Olympiad team, which earned two gold and two silver medals in the International Chemistry Olympiad. The Science Education Policy statement, which expires at the end of 2022, is currently being revised.

### Environmental Improvement (CEI)

**Christopher Avery**, committee chair, reported the following: CEI continues to work on the U.N. Sustainable Development Goals (SDGs) throughout our mission area. The theme of the National Meeting in August 2022 is “Sustainability in a Changing World,” and will incorporate the SDGs into a broader, Society-wide conversation around sustainability and the role of chemistry in achieving them.

### Ethics (ETHX)

**William Leong**, committee chair, reported the following: The committee maintains a website within the ACS and an external site that serves as a clearinghouse for reference materials, websites, whitepapers, case studies, and interactive videos on ethics-related topics to educate and spur discussions at the local section and classroom settings. The committee has targeted several other committees and divisions for potential collaborative partnerships and is establishing liaisons with the Committees on Younger Chemists, Corporation Associates, Chemical Safety, and the Division of Professional Relations.

### International Activities (IAC)

**Sergio Nanita**, committee chair, reported the following: IAC has been in communication with International Chapter leaders through regional calls this year. Several postponed events are planned for the Fall, including conferences organized by the ACS International Chemical Sciences Chapters from Qatar and Saudi Arabia. IAC is reviewing an application for an ACS International Chapter in Switzerland, to be considered by Council in Spring 2022.

### Local Section Activities (LSAC)

**Matthew Reichert**, committee chair, reported the following: LSAC is concluding its review of the 2020 local section annual reports, with 171 of the 185 local sections having completed their annual reports. LSAC’s Grants and Awards Subcommittee approved 14 of the 15 IPG applications that were submitted for the June 2021 submission deadline. In total, 26 IPGs equaling \$67,595 have been approved this year.

### Meetings and Expositions (M&E)

**Rick Ewing**, committee chair, reported the following: M&E and DAC appointed a task force that includes the Multidisciplinary Program Planning Group (MPPG) and the Program chairs to have input on Poster Sessions, Networking, Communications, Virtual platforms and engagement opportunities. As of August 19, 7,118 attendees had registered for ACS Fall 2021.

### Membership Affairs (MAC)

**Brian M. Mathes**, committee chair, reported the following: The membership transformation that Council approved last Spring will be rolling out shortly, ensuring that all ACS members and potential members have access to more choices and more value. ACS members will continue receiving all their current benefits at a \$15 savings over the price through the Premium Package. Students may access the same Premium Package for \$55 for graduate students and \$25 for undergraduates. Regular Members will now have access to an intermediate option for \$80 through the new Standard Package.

### Minority Affairs (CMA)

**Kishore Bagga**, committee chair, reported the following: CMA will be holding a number of symposia during this Fall meeting, some of which are joint with various Divisions. As well, it will be holding a symposium highlighting work done by recent Stan Israel Diversity Award recipients at SERMACS in November 2021.

Nomenclature, Terminology, and Symbols (NTS)

**Michelle Rogers**, committee chair, reported the following: In 2021, NTS initiated an innovative new project in partnership with the Rochester Institute of Technology/National Technical Institute for the Deaf. This project will develop and communicate an American Sign Language standard for the signing of the 118 elements of the periodic table. Videos of RIT/NTID students will be filmed and become available in 2022 to educators, students, interpreters, and the public via the ACS website and YouTube channel.

Patents and Related Matters (CPRM)

**Carlyn Burton**, committee chair, reported the following: CPRM recently helped to revise the Society's Intellectual Property Public Policy Statement. CPRM focused on the pandemic, and specifically, explored the ethical, moral and legal issues surrounding proposals by various countries and some advocates that pharmaceutical companies be forced to give up some of their intellectual property rights to enable developing countries to increase the supply of much needed vaccines.

Professional Training (CPT)

**Kerry Karukstis**, committee chair, reported the following: CPT met, and included the review of 60 approved undergraduate chemistry programs and the approval of five new programs. The total number of ACS approved programs now stands at 692. CPT has continued a pilot program that evaluates and recognizes undergraduate global programs in the chemical sciences. CPT also expanded the ACS Guidelines for ACS Approval focusing on pedagogy by including enhanced guidance in creating an inclusive and equitable learning environment for all students.

Project SEED (SEED)

**Bryan Boudouris**, committee chair, reported the following: The committee held a Virtual Summer Camp alongside a new pilot initiative, the Virtual Research Pilot. The Project SEED Scholarship program awarded 37 (\$5,000) scholarships, three (\$15,000) CIBA Scholarships, and one (\$5,000) Loconti Scholarship. The students participating in the Virtual Summer Camp came from a diverse set of backgrounds with 71% of respondents identifying as being female, and with all students representing 30 states and territories.

Public Relations and Communications (CPRC)

**Amber Charlesbois**, committee chair, reported the following: Congratulations were offered to writer Sam Kean, the 2021 winner of the ACS National Grady-Stack Award, chosen by the committee. CPRC is holding an Elevator Speech Video Challenge, a one-minute video where chemists can "Tell us about what you do in the chemical enterprise." The winning videos will be selected from the entries with the most likes and will be announced on Mole Day.

Publications (PUBS)

**Frank Blum**, committee member, reported the following: The President of the Publications Division gave a presentation to the committee on the 2022 launch of two new journals in the suite of *ACS Applied Materials* titles; an update on ACS's engagement with Open Access; and a review of the editorial health of the journals portfolio. Journal monitoring reports for *Chemical Research in Toxicology*, *Bioconjugate Chemistry*, *Macromolecules*, and *ACS Macro Letters* were presented, discussed thoroughly, and accepted with thanks. Editor reappointments were reviewed and recommendations to the ACS Board were made.

Science (COMSCI)

**Martin Kociolek**, committee chair, reported the following: In collaboration with ACS President H.N. Cheng, the committee organized a three-part "Frontiers Fridays" webinar series that attracted more than 4,000 registrants from 93 countries. The Committee also organized a Presidential symposium at the ACS Fall 2021

meeting on “New Frontiers and Opportunities for Chemistry,” along with a session on “Innovation: The Chemical Professional’s Response to the Global Pandemic.” The Committee voted to support the revised energy policy statement.

Senior Chemists (SCC)

**Arlene Garrison**, committee chair, reported the following: SCC piloted a “Campaign to Support the ACS Scholars Program” in December 2020 that was very successful and released the campaign to a broader audience in May. The committee is hosting a virtual “coffee hour social” event with keynote speaker, William Carroll, Jr. on the theme of “The Post-COVID Chemistry Economy & DEIR Program Updates” and has partnered with YCC to host another networking event for students on September 12.

Women Chemists (WCC)

**Amy Balija**, committee chair, reported the following: The committee partnered with CPRC on the program, “Picture a Scientist: Call to Action-a-Thon” in the WCC-sponsored virtual symposium entitled “Sexual Harassment in Science: Continuing the Conversation” where speakers highlighted the psychology behind sexual harassment and how to mitigate it. WCC co-sponsored an ACS webinar entitled “Resilience of Women in Chemistry” focusing on the triumphs of women during the COVID-19 shutdowns. WCC recognized the eight winners of the WCC Merck Research Award at the Fall National Meeting. WCC nominated 13 female chemists whose images would be considered for the new quarter coin series in response to the United States Mint’s request for prominent women to highlight.

Younger Chemists (YCC)

**Kristin Nuzzio**, committee chair, reported the following: Two programs the committee organized include the Younger Chemists Virtual Advocacy workshop in February, and the Local Section Leadership Summit, where local section YCC leaders shared best practices and areas for improvement.

New Business

Resolution

The Council adopted the following resolutions:

11. BE IT RESOLVED That the Council of the American Chemical Society expresses to the officers and members of the Georgia Local Section, host Section for the ACS Fall 2021 Meeting, the sincere appreciation of the Council and of the entire Society for the cordial hospitality extended to all registrants at this meeting, and that the Council convey special thanks to the divisional program chairs and symposium organizers responsible for the outstanding technical sessions, as well as headquarters staff, for the planning and execution that have assured the success of the meeting.

12. BE IT RESOLVED That the Council of the American Chemical Society expresses to H.N. Cheng, President of the Society in 2021, its sincere appreciation for his service as its presiding officer, and its gratitude for his 40 years as a member of the Society. The Council is thankful for his focus on expanding the chemistry enterprise through growth, collaboration and advocacy, all the while ensuring a focus on sustainability. His tireless volunteerism on behalf of our members has truly benefited the Society. The Council urges continued support for his work supporting entrepreneurial members who seek to launch their discoveries to spur innovation and benefit humankind. The Council extends its gratitude to President Cheng, his wife Julia, daughter Jennifer and son David, and offers its best wishes in his future personal and professional endeavors.

There being no further business, the meeting adjourned at 3:06 p.m. ET

Flint H. Lewis  
Secretary