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# AMERICAN CHEMICAL SOCIETY

## Council Agenda

Wednesday, March 24, 2021  
11:00 AM EDT

## VIRTUAL MEETING

Contact [secretary@acs.org](mailto:secretary@acs.org) for  
detailed meeting information and certification

COUNCIL  
 AMERICAN CHEMICAL SOCIETY  
 VIRTUAL MEETING  
 11:00 A.M. EDT  
 March 24, 2021

AGENDA

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A. Resolution

**DRAFT**  
**MINUTES**  
**COUNCIL**  
AMERICAN CHEMICAL SOCIETY  
August 19, 2020  
Virtual Council

After affording each member of the Council the opportunity to sign onto the Virtual Council platform, and 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 19, 2020, beginning at 11:00 a.m. ET. H.N. Cheng, President-Elect of the Society and of the Council, presided. The following Councilors, Alternate Councilors, and accredited representatives totaling 434 were present (attendance list attached):

**Ex-Officio:** 34; **Bylaw:** 1; **Divisions:** 81 (9 were Alternate Councilors); **Local Sections:** 318 (16 were Alternate Councilors); and 21 Nonvoting/Noncouncilors (staff and others). Approximately 55 observers were in attendance.

Resolutions

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

1. 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:

- Mrs. Marilyn J. Sikes, Retired, Charlotte-Mecklenburg Schools and Councilor for the Carolina-Piedmont Section from 1996 to 2010 and 2017 to 2019.
- Mr. William H. Suits, President, Chromatography Connections and Councilor for the North Jersey Section from 2000 to 2002, 2007 to 2008, and 2011 to 2016.
- Dr. Edward A. Mottel, Professor, Rose-Hulman Institute of Technology and Councilor for the Wabash Valley Section 2010 to 2020.
- Dr. Stephen A. Rodemeyer, Professor, California State University and Councilor for the San Joaquin Valley Section from 1984 to 2008.
- Dr. Iona Black, Lecturer, Yale University and Councilor for Chemical Education Division from 2017 to 2020.
- Dr. Nina I. McClelland, University of Toledo, and Councilor for the Environmental Chemistry Division from 1978 to 1995; Councilor Ex Officio, Director-at-Large from 1996 to 2004, and Chair of the ACS Board of Directors from 2001 to 2003.

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

Approval of Minutes

2. VOTED to approve, as distributed, the minutes of the Special Meeting of the Council of April 20, 2020 – the Town Hall with Nominees for President-Elect 2021.

### Election of Members to Elected Committees

**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):

3. 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 2021: Gary D. Anderson, Brian B. Brady, Mitchell R.M. Bruce, James C. Carver, Mark D. Frishberg, Elizabeth M. Howson, James M. Landis, Zaida C. Morales-Martinez, Margaret J. Schooler, and Jeanette M. Van Emon. By electronic ballot, the Council ELECTED Elizabeth M. Howson, Zaida C. Morales-Martinez, Margaret J. Schooler, and Jeanette M. Van Emon for three-year terms (2021-2023), and Mark D. Frishberg for a one-year term (2021) on the Council Policy Committee.

4. 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 2021: Thomas R. Beattie, Mark A. Benvenuto, Jetty L. Duffy-Matzner, Kevin J. Edgar, Neil D. Jespersen, Michael J. Kenney, R. Daniel Libby, Robert A. Pribush, Julianne M. D. Smist, and Linette M. Watkins. By electronic ballot, the Council ELECTED Jetty L. Duffy-Matzner, Kevin J. Edgar, Neil D. Jespersen, Julianne M. D. Smist, and Linette M. Watkins for three-year terms (2021-2023) on the Committee on Nominations and Elections.

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 Committee on Committees beginning in 2021: Catherine E. Costello, Debbie M. Decker, Harry J. Elston, Martha G. Hollomon, Diane Krone, Michael D. Mosher, Sarah M. Mullins, Susan J. Olesik, Andrea B. Twiss-Brooks, and Javier Vela. By electronic ballot, the Council ELECTED Martha G. Hollomon, Diane Krone, Sarah M. Mullins, Andrea B. Twiss-Brooks, and Javier Vela for three-year terms (2021-2023) on the Committee on Committees.

### Reports of Society Officers

**President-Elect H.N. Cheng** reviewed his overarching Presidential themes of Growth, Collaboration, and Advocacy. He reported on two articles that he wrote on sustainability and his plans to organize three symposia for upcoming meetings. Because of travel restrictions and the cancellation of many in-person meetings, he has been attending and representing ACS at many virtual meetings.

**Immediate Past-President Bonnie A. Charpentier** stated that she was pleased to report accomplishments in areas such as “Collaborations,” “Advocacy and Safety” and “the Environment.” She thanked the ACS technical divisions that worked with her on programming, local sections that invited her to participate in outreach programs, and international chapters that have allowed her to meet members and students around the world. Dr. Charpentier reported that under her initiatives of Safety and the Environment, she was able to support symposia at national meetings, the annual Safety Summit, and provide grants to the Regional Meeting Boards to support safety programming at future regional meetings.

**Board Chair John E. Adams** briefed the Council on the various reports received by the Board of Directors. CEO Tom Connelly reported on Society efforts around the ACS Core Values of Safety and Diversity, Inclusion & Respect. The Board approved several ACS nominees for awards and approved revisions to the Code of Conduct Confirmation statement, which is sent to ACS award nominators. Dr. Adams reported that the Board was briefed by the Governing Board for Publishing on the current status and future plans of the ACS Publications Division and CAS, and received an update from the Committee on Executive Compensation that addressed the results of a recently commissioned salary benchmarking study.

**CEO Thomas M. Connelly, Jr.**, began his report reflecting on the core value of Diversity, Inclusion & Respect (DI&R), and noted that the Board chartered a DI&R working group comprised of members of the Board and the DI&R Advisory Board Chair. Dr. Connelly reported that all staff are working remotely due to the COVID-19 pandemic and that multiple ACS meetings have successfully transitioned to virtual formats. Multiple ACS resources and offerings have been made more readily available to support members during the pandemic.

Dr. Connelly said that ACS had secured the largest contribution to ACS in many years: \$3.5 million from Genentech to support the ACS Bridge Program. He mentioned that Dr. James Milne was appointed ACS Publications President, noted the announcement of *JACS Au*, which will be a new open access journal, and highlighted that in July, the U.S. Team brought home four gold medals, the best possible result for the first all-virtual International Chemistry Olympiad.

### Reports of Elected Committees

#### Council Policy Committee (CPC)

**Martin Rudd**, committee Vice-Chair, reported that the CPC Long Range Planning Subcommittee would not hold a virtual Strategy Café at this national meeting, but would re-engage with new Councilors in the fall. Dr. Rudd announced that the working group on Future Council Representation met and was considering responses from Councilors, who overwhelmingly suggested at the fall 2019 ACS meeting in San Diego that all ACS members should have representation on ACS's Council. He noted that the Subcommittee on Petitions, Constitutions and Bylaws discussed the three petitions on the Council agenda. CPC voted to support the Petition to Clarify Amendments to the Standing Rules, concurred on the recommendation on the dissolution of the Committee on Chemical Abstracts Service, and concurred on the Petition to Charter a new International Chemical Sciences Chapter in Israel.

#### Committee on Committees (ConC)

**Carolyn Ribes**, committee chair, reported that the committee is developing recommendations for 2021 committee appointments and reappointments for consideration by the President-Elect and the Chair of the Board of Directors. Dr. Ribes noted that the committee held a summit entitled "Promoting Diversity, Inclusion & Respect and Removing Systemic Barriers within ACS Committees" to hear from committees about their plans and brainstorm approaches to removing barriers within the committee system and ACS. She reported that the ConC Subcommittee on Committee System and Structure presented a petition that would harmonize the ACS committee structures, relax the "Councilor only" designation that exists for some of the ACS committees, and standardize committee term limits. The petition is expected to be up for action at the Spring 2021 Council meeting.

On behalf of Council, she recognized members and committee chairs who will have served the statutory limit or have otherwise completed their service on their ACS governance committees at the end of 2020. Dr. Ribes thanked Councilors for their anniversary milestones, including their 15, 20, 25, 30, and 45 years of service.

Dr. Ribes stated that the committee was assigned the Petition to Clarify Amendments to the Standing Rules, and supports the petitioner's intent to ensure consistency within the ACS Governing Documents.

6. VOTED, on the recommendation of the Committee on Committees and with the concurrence of the Council Policy Committee, that the Petition to Clarify Amendments to the Standing Rules be approved.

Dr. Ribes said that ConC is required by Standing Rule II to review each "Other" Committee and each Joint Board-Council Committee no less often than every five years and to advise the Council and Board of Directors as to whether the committee(s) should be continued. In fulfilling the Standing Rule mandate, ConC reviewed the Committee on Chemical Abstract Service (CCAS) in 2019 and after much discussion at several meetings and careful consideration, voted to recommend to the Council and the Board of Directors that they disband CCAS.

7. VOTED, on the recommendation of the Committee on Committees and with the concurrence of the Council Policy Committee that the Committee on Chemical Abstracts Service, subject to concurrence by the Board of Directors as required, be disbanded.

Dr. Ribes reported that with the motion passing, ConC would seek new committee appointments for CCAS members based on their interests.

#### Nominations and Elections (N&E)

**Amber S. Hinkle**, committee chair, reported the results of the morning's elections for membership on the elected committees in 2021 (see items 3, 4, and 5 above).

Dr. Hinkle reported that with the fall national meeting being held virtually, N&E will offer alternative arrangements for two traditional election-related events. She noted N&E will host a Virtual Town Hall meeting for Councilors to hear from the candidates for Director-at-Large the week of September 21. Ballots for the 2020 fall national election will be distributed beginning September 28, with a voting deadline four weeks later, on October 23. All candidates will be notified of the election results by October 27.

She noted that in early September, Survey & Ballot Systems, the ACS election vendor, will send to all members eligible to vote who have an email address on file, a notice with the option to request a paper ballot. Those members who do not have an email address on file will be sent a paper ballot with the option to vote electronically. Three email reminders of the deadline for voting will be sent to those who have not voted during the voting period.

Dr. Hinkle reported that the candidates who will appear on the ballot for the 2020 national election for President-Elect in 2021 are Mary K. Carroll and Angela K. Wilson. For Directors-at-Large (2021-2023), the candidates are Dawn A. Brooks, Wayne E. Jones, Jr., Kristin M. Omberg, and Carolyn Ribes. For District III Director (2021-2023), the candidates are Teri Quinn Gray and Lynne P. Greenblatt. For District VI Director (2021-2023), the candidates are Janet L. Bryant, Paul W. Jagodzinski, and Jeanette M. Van Emon.

Dr. Hinkle noted that the committee will engage in a training session on implicit bias as part of the slate development process to encourage and promote diversity and inclusion in opportunities for national leadership.

#### Reports of Society Committees and the Committee on Science

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

**William Greenlee**, committee chair, reported that for 2020, through July 31, ACS generated a net from operations of \$55.7 million, or \$25 million greater than the same period in 2019. Total revenues are on budget at \$354 million. Total expenses are \$298 million, or three percent below 2019. Unrestricted Net Assets increased to \$466 million. He briefly reviewed the Society's sources of net contribution, which totaled \$90 million and primarily included Information Services (i.e., CAS and Publications) and Investments. These sources fund net expenses associated with Society Programs, Web Strategy & Operations, and other supported activities.

Dr. Greenlee said that the Society is in compliance with each of the five Board-established financial guidelines and expects to be in compliance at year-end as well. He noted the growth in unrestricted net assets since 2016, with an estimate of \$466 million as of July 31, 2020. Dr. Greenlee recapped COVID-19 impacts on the Society's finances, and noted that the majority of Information Services' revenue for 2020 was 'booked' prior to the full onset of COVID-19. As a result, finances have remained solid during the first half of the year. The most direct revenue impact to the Society has been to meeting-related revenues with the termination of the spring national meeting and cancellation of the in-person Green Chemistry Conference.

Dr. Greenlee noted that B&F considered a reauthorization request for one program and a request for a new pilot program, and will present the funding requests to the Board of Directors when it meets on August 21.

#### Education (SOCED)

**Jennifer Nielson**, committee chair, congratulated the U.S. Chemistry Olympiad team that earned four gold medals in the 52nd International Chemistry Olympiad, earning the top overall score. Dr. Nielson reported on plans for a SOCED informational and training webinar on building an inclusive chemical education culture. The committee voted to approve revisions to two ACS policy statements expiring in 2020: Fostering Scientific Progress: U.S. Visas for Academic Study & Conference Attendance and Science and Technology in the Budget.

#### Science (ComSci)

**Martin G. Kociolek**, committee chair, reported that the committee supported four policy statements: A Competitive U.S. Business Climate; Science and Technology in the Budget; Sustainability and the Chemistry Enterprise; and Visas for Scientific Collaboration and Academic Study. Dr. Kociolek noted that the committee organized a symposium at this meeting on “Critical Materials: Perspectives from the Industry, Government, and Research Communities.” He reported that committee members provided input on a draft strategy for ACS to have a measurable impact on the U.N. Sustainable Development Goals and that the strategy proposes that the Society’s efforts focus on three themes: research, innovation, and translation; sustainable manufacturing and chemicals management; and chemistry education.

#### Reports of Standing Committees

##### Local Section Activities (LSAC)

**Matthew Reichert**, committee chair, reported that local sections are submitting their annual reviews through FORMS, however a new system for reporting will be released in November. Dr. Reichert noted that various grant proposals were received by the committee and he announced that 26 proposals were approved with the total funding for IPG’s in 2020 being \$68,050. He reminded local sections that ACS provides Zoom meeting licenses should they wish to avail themselves of this service.

##### Economic and Professional Affairs (CEPA)

**Eric Bruton**, committee chair, reported that the ACS 2020 Salary & Employment Data Survey was distributed in May 2020 to more than 125,000 ACS members under age 70. The response rate was 5.4 percent, which was statistically valid at a 95 percent confidence level. Dr. Bruton noted that the domestic unemployment for ACS chemists dropped in 2020 by 1.1 percent. However, it is important to note that these data are a snapshot from March 1, 2020, when the economy was healthy and prior to the effects of the COVID-19 pandemic. He reported that CEPA is progressing on a layoff response plan to assist members who have experienced layoffs.

##### Membership Affairs (MAC)

**Brian M. Mathes**, committee chair, reported that MAC continues to focus on the impacts of the COVID-19 pandemic and how it is affecting membership. Mr. Mathes announced that the ACS membership count stands at more than 158,000 and ACS will record a third consecutive year of growth. He noted that MAC continues to do market tests on various membership models and that initial results look promising for the Society.



### Meetings and Expositions (M&E)

**Rick Ewing**, committee chair, reported that although there have been significant challenges due to the move of the spring 2020 meeting from an in-person meeting to a virtual one, the committee has been implementing changes to enhance members' experiences. Dr. Ewing noted that the four subcommittees of M&E are working to benchmark other scientific conferences for platform offerings and other creative ideas to shape ACS's national and regional meetings. He reported that a town hall meeting will be held to solicit input and feedback on the impacts of the COVID-19 and regional meeting planning and more research will be done to evaluate price points for virtual meetings. Dr. Ewing noted that the committee is working with staff to resurrect the Program Planning and Coordinating Conference (P2C2) to allow program chairs the opportunity to collaborate and discuss future trends.

He reported that 4,075 scientific papers were presented at this national meeting, with a total attendance for this meeting exceeding 6,000. Dr. Ewing noted that all presentations were pre-recorded, but that consideration will be made in the future to include live content.

### Divisional Activities (DAC)

**James M. Takacs**, committee chair, reported that DAC met to discuss the 2021 division allocation and hear the activities of its five subcommittees, and that DAC developed a working group to review division allocations in light of changing national meeting formats. Dr. Takacs noted that DAC received and discussed reports from several committees and working groups.

### Constitution and Bylaws (C&B)

**Donna Friedman**, committee chair, reported that C&B certified three local section bylaws so far this year. Dr. Friedman reminded Councilors that new petitions to amend the Constitution or Bylaws must be received by the CEO no later than December 2 to be considered by the Council at the spring 2021 Council meeting.

### Reports of Other and Joint Board-Council Committees

#### Younger Chemists (YCC)

**Kristin Nuzzio**, committee chair, reported that the committee is working with ACS units to promote successful virtual programming, working with Career Consultants to enable access for international members, and hosting a symposium in collaboration with the International Younger Chemists Network that features rising entrepreneurs who are solving bench to market challenges. Dr. Nuzzio concluded her report by reminding Councilors that YCC will again collaborate with ACS Webinars to host an interactive Live Virtual Town Hall as part of their Catalyze the Vote initiative.

#### Women Chemists (WCC)

**Kimberly Woznack**, committee chair, highlighted to Councilors that in the last national award cycle, a record 26 women received an ACS award; this included five awards that went to women for the first time. Councilors were encouraged to continue nominating women and chemists of color for these prestigious awards. Dr. Woznack reported collaborations between WCC and Merck, the Division of Professional Relations, and the Committee on Minority Affairs. She noted that the committee is taking an active role in seeking to eliminate systemic racism and looks to partner with other units.

### Senior Chemists (SCC)

**Arlene Garrison**, committee chair, reported that the committee hosted a webinar to address systemic racism and its impact on ACS members and others in the chemistry community. Dr. Garrison informed Councilors of a recently published ACS comment in *C&EN*, “The New World for Senior Chemists,” which brought attention to the engagement and connection of committee members through virtual means. She listed the activities hosted virtually by SCC during the fall national meeting.

### Public Relations and Communications (CPRC)

**Amber Charlebois**, committee chair, reported that the committee held a strategic planning retreat and is offering PR makeovers to ACS units. Dr. Charlebois noted that various activities have been postponed due to the pandemic. She was pleased to remind Councilors that Dr. Raychelle Burks was the 2020 winner of the ACS National Grady-Stack Award for Interpreting Chemistry for the Public.

### Project SEED

**Don Warner**, committee chair, reported that the committee developed a four-week virtual summer camp for Project SEED students due to the cancellation of in-person learning. The camp hosted 291 campers and 62 undergraduate or graduate student cabin leaders and involved 45 speakers, the Committee on Project SEED, 23 ACS member volunteers, and more than 60 ACS staff members across the Society. Dr. Warner concluded his report by asking Councilors to consider donating to Project SEED when renewing ACS memberships.

### Professional Training (CPT)

**Edgar Arriaga**, committee chair, reported that CPT had unveiled a powerful new technological platform, CPARS, i.e., “Chemistry Program Approval and Review System,” that streamlines the process for ACS approval of academic institutions. Dr. Arriaga noted that CPARS will include a new diversity, equity, inclusion, and respect criterion. He noted that CPT has developed a student-centric model to describe excellence in education. This model incorporates the traditional four pillars of excellence: infrastructure, curriculum, faculty, and pedagogy, and recognizes that life skills, diversity and inclusion training, and safety culture are also part of the training for success.

### Minority Affairs (CMA)

**Ann Kimble-Hill**, committee chair, reported that the committee has been actively implementing its new strategic plan and has been collaborating with the Office of Undergraduate Programs, WCC, CPT, LSAC, PROF, and ConC on a variety of diversity initiatives. Dr. Kimble-Hill encouraged Councilors to review the recommendations for the Society’s Diversity, Inclusion & Respect strategies in the written report and in the *Councilor News & Committee Alerts* newsletter.

### International Activities (IAC)

**Jens Breffke**, committee chair, reported that the committee recently welcomed presentations from IUPAC, the Malta Conference Foundation, and heard about ACS’s efforts regarding immigration policy and career panels for international members. Dr. Breffke noted that the committee is working closely with the Committee on Membership Affairs to provide greater value and services to international members.

8. VOTED, on the recommendation of the Committee on International Activities, and with the concurrence of the Council Policy Committee, to approve the establishment of the Israel International Chemical Sciences Chapter, subject to concurrence by the ACS Board of Directors.

Ethics

**Judith Currano**, committee chair, reported that the committee unveiled its new website, approved a white paper entitled, “Introduction to the Ethics of Scientific Conflict of Interest,” and is looking forward to presenting the ChemLuminary Award for Outstanding Programming by a Local Section Related to the Promotion of Ethics in Chemistry. Ms. Currano briefed Councilors on various programming changes that the committee undertook to move from in-person to a virtual meeting.

Environmental Improvement (CEI)

**Christopher Avery**, committee chair, reported that the committee was in the process of developing a plan to prioritize work on the committee’s goal #10: Reduced Inequalities of the United Nations Sustainable Development Goals. Dr. Avery encouraged Councilors to contact the committee for ideas on supporting this goal and on a new initiative they are addressing: single use plastics and their negative impact on the environment.

Chemical Safety (CCS)

**Debbie Decker**, committee associate, reported on the successful ACS Safety Summit and recommended that ACS staff continue to support the approach of gathering input from the ACS community about our core value of “Professionalism, Safety and Ethics.” Ms. Decker noted that the committee is reviewing its mission and vision statements stemming from its strategic planning retreat that was held last year. She noted that ACS has become an increasingly prominent voice for chemical safety since 2010 due to the ongoing support from ACS leadership, governance and staff, long-term commitments to developing sound technical documents by a group of passionate ACS volunteers, and the ACS’s ability to leverage new technologies in imaginative ways.

New Business

Resolutions

The Council adopted the following resolutions:

9. BE IT RESOLVED the Council of the American Chemical Society express to Luis Echegoyen, President of the Society in 2020, its sincere appreciation for his service, and its gratitude for his 48 years as a member of the Society. The Council appreciates his calling attention to the need to eliminate systemic racism in the sciences by addressing barriers head on and calling for action in the fight against discrimination, prejudice, and bias against people of color in our community, in our science, and in our lives. The Council urges continued support for his work supporting members to become involved in advocacy efforts and highlighting public office as a means for scientists to effect positive change. The Council extends congratulations to President Echegoyen, his wife Lourdes, and his daughters, and wishes him continued success in his future personal and professional endeavors.

There being no further business, the meeting adjourned at 2:30 p.m. ET.

Flint H. Lewis  
Secretary

## Certified Councilors for the August 19, 2020 Virtual Meeting

Full Name	Position Name		
Dr. Attila E. Pavlath	Ex Officio Councilor		
Dr. Barbara Sawrey	Ex Officio Councilor		
Dr. Bassam Z. Shakhshiri	Ex Officio Councilor		
Dr. Bonnie A. Charpentier	Ex Officio Councilor		
Dr. Bruce E. Bursten	Ex Officio Councilor		
Dr. Bryan Balazs	Ex Officio Councilor		
Dr. Catherine T. Hunt	Ex Officio Councilor		
Dr. Charles P. Casey	Ex Officio Councilor		
Dr. Christina Bodurow	Ex Officio Councilor		
Dr. Diane Grob Schmidt	Ex Officio Councilor		
Dr. Donna Nelson	Ex Officio Councilor		
Dr. Dorothy J. Phillips	Ex Officio Councilor		
Dr. E. Ann Nalley	Ex Officio Councilor		
Dr. Edel Wasserman	Ex Officio Councilor		
Dr. Elsa Reichmanis	Ex Officio Councilor		
Mr. Flint H. Lewis	Ex Officio Councilor		
Dr. H. N. Cheng	Ex Officio Councilor		
Dr. Ingrid Montes	Ex Officio Councilor		
Dr. John E. Adams	Ex Officio Councilor		
Dr. Joseph S. Francisco	Ex Officio Councilor		
Dr. Katherine L. Lee	Ex Officio Councilor		
Dr. Lee H. Latimer	Ex Officio Councilor		
Ms. Lisa Houston	Ex Officio Councilor		
Dr. Marinda Li Wu	Ex Officio Councilor		
Dr. Ned D. Heindel	Ex Officio Councilor		
Dr. Paul H.L. Walter	Ex Officio Councilor		
Dr. Paul S. Anderson	Ex Officio Councilor		
Dr. Paul W. Jagodzinski	Ex Officio Councilor		
Dr. Peter K. Dorhout	Ex Officio Councilor		
Dr. Teri Quinn Gray	Ex Officio Councilor		
Dr. Thomas H. Lane	Ex Officio Councilor		
Dr. Thomas M. Connelly Jr	Ex Officio Councilor		
Dr. Wayne E. Jones Jr	Ex Officio Councilor		
Dr. William F. Carroll Jr	Ex Officio Councilor		
Dr. Michael Appell	Bylaw Councilor		
Dr. John W. Finley	Councilor	Agricultural & Food Chemistry (AGFD)	Division
Dr. Lauren Jackson	Councilor	Agricultural & Food Chemistry (AGFD)	Division
Dr. Michael H. Tunick	Councilor	Agricultural & Food Chemistry (AGFD)	Division
Dr. Jeanette M. Van Emon	Councilor	Agrochemicals (AGRO)	Division
Mr. Rodney M. Bennett	Councilor	Agrochemicals (AGRO)	Division
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Dr. David P. Nalewajek	Councilor	Western New York	Local Section
Dr. Peter M. Schaber	Councilor	Western New York	Local Section
Dr. D. Paul Rillema	Councilor	Wichita	Local Section
Dr. Keith R. Vitense	Councilor	Wichita Falls-Duncan	Local Section
Dr. Amanda Hofacker Coffman	Councilor	Wilson Dam	Local Section
Dr. Allen D. Clauss	Councilor	Wisconsin	Local Section
Dr. Scott A. Wildman	Councilor	Wisconsin	Local Section
Dr. Brian M. Leonard	Councilor	Wyoming	Local Section

REPORT OF INTERIM ACTIONS, COUNCIL POLICY COMMITTEE

Since the meeting of the Council on August 19, 2020, the Council Policy Committee has taken the following actions:

CPC 3-2020: VOTED to elect Dr. Martin D. Rudd as Vice-Chair of the Council Policy Committee for 2021.

NOMINATIONS FOR PRESIDENT-ELECT

Action Requested: The Committee on Nominations and Elections has selected the following nominees for 2022 President-Elect:

Gerard Baillely  
Anne M. Gaffney  
Judith C. Giordan  
John C. Warner

All have indicated their willingness to serve if elected. From these nominees, the Council must choose two as candidates for President-Elect. The biographies and position statements of the nominees are provided below.

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**BAILLELY, GERARD. *Cincinnati Section.*** Procter & Gamble Company, Cincinnati, Ohio.

**Academic Record:** Lycée Descartes Tours in France in Mathématiques, Supérieures & Spéciales; Chemistry from the Ecole Supérieure de Chimie Industrielle de Lyon. (Bachelor of Science Equivalent in France).

**Honors:** The Chevalier de L'Ordre National du Mérite distinction by the President of France; Consumer Specialty Product Association CEO Award 2014.

**Professional Positions** (for past 10 years): Procter and Gamble Company, Senior Vice President, Research and Development Corporate Functions for Analytical, Data Sciences, Biosciences, Research and Development Digital Transformation and Smart Product Platforms, Stewart of Procter and Gamble Community of Practices, 2017 to date; Vice President Research and Development Fabric and Home Care Business Unit, 2012–16; Vice President Research and Development Corporate Functions Analytical, Modeling & Simulation and Digital Platforms, 2010–11; Director Research and Development Oral Care Business Unit, 2006–10; Director Research and Development NA Fabric Care and Global Liquid Detergent Platform, 2003–06; Director Research and Development Global Upstream Chemistry Technology and Open Innovation for Fabric & Home Care, 2000–03.

**Member** (current): Member ACS since 2001. ACS Division(s): Analytical Chemistry; Biological Chemistry; Chemical Information; Computers in Chemistry; Colloid and Surface Chemistry; Industrial and Engineering Chemistry; Polymer Chemistry.

**Related Activities:** ACS Chief Technology Officers Annual Forums (CTO): Director, Board of Chemical Sciences and Technology, National Academies of Science, 2018 to date; Board of Living Well Collaborative, Director, 2012 to date, Chair, 2015–18; Board of American Oil Chemists' Society, Director, 2015 to date; Board of the Consumer Specialty Products Association, Director 2012–16; 23 patent publications granted.

**STATEMENT**  
**Gerard Baillely**

This statement is to request the privilege of serving the American Chemical Society in the capacity of President-Elect. I have the passion for ACS, its members and its vision to improve people's lives through the transforming power of chemistry, in line to what has driven my professional and personal interests over three decades.

The American Chemical Society has built extensive, connected, productive and long-lasting networks at local, regional, and national levels among young people, lead scientists, academics, industry and government institutions throughout the world. ACS has kept in touch with the accelerated pace of changes of society, sciences and stakeholders. Chemistry and chemists will be imperative to solve the grand challenges of our

society and planet: climate change, sustainability, emerging diseases, social inequality, scientific misinformation and mistrust. ACS networks are more relevant than ever to promote and support these chemists in their mission to tackle these challenges. From the lab to the manufacturing scale, or from basic to applied research, chemists must never stop learning and expanding their skill sets and connections beyond the traditional core disciplines. The accelerated pace of advances in measurements (analytical, sensors, imaging), of data and computational sciences as well as digital assets (high performance computing, open source data base) will fuel innovation and scientific advances for which the support of ACS and its networks are invaluable.

The role of the President is to externally represent and advocate for ACS and increase the impact of the ever-expanding field of chemistry. The President should help nurture, cultivate and create the internal and external ACS networks. I believe I am well qualified to take on the role of President-Elect with my leadership experience.

- I have experienced within a multi-national company like Procter & Gamble what it takes to develop chemistry and material-driven innovation from the lab to the market and how they can transform an industry to enhance the quality of billions of consumers' lives.
- Born and educated in France and now settled in US, my international career offered me the opportunity to manage talents in North America, Europe, Latin America and Asia. I experienced the challenges and benefits of building a diverse and inclusive culture that attracts, supports and retains a diverse pool of talents, which ultimately spur better innovation for today and tomorrow's world.
- I have demonstrated a deep knowledge of chemical sciences with transforming the research and development capabilities in Procter & Gamble by developing cutting-edge capabilities and talents in analytical, microbiology, biotechnology, and data science across machine learning, first principle modeling, advanced statistics, digital architecture and data base assets.
- I serve on several boards dedicated to advancing the chemical sciences, and people's health and wellness: the Board of Chemistry Science and Technology within the National Academy of Science; the American Oil Chemists' Society; the Consumer Specialty Product Association; and the Live Well Collaborative, founded by the University of Cincinnati and Procter & Gamble as a partnership between academia and industry to design solutions that meet the complexities of living well across the lifespan. I have developed partnerships for Procter & Gamble with many universities across the world and national labs.
- ACS has been instrumental to my learning curve as a global innovator, executive manager and citizen for the past 20 years. I have been a champion of ACS within Procter & Gamble, with contributions to the annual Surface Science Award and the Scholars Program Fund, and through active participation of many Procter & Gamble scientists to local sections, scientific divisions and other events. I am an active participant to multiple industry/ACS activities, including the annual ACS CTO forum.

My core belief is that advancing the field of chemistry is imperative to solve the most pressing grand challenges in our world. To do so, we must support and inspire a pool of talents to join the field of chemistry and related sciences across the globe and across a diverse backgrounds. Should I have the privilege to serve ACS as President-Elect, my priorities will be to engage and listen to the aspirations and concerns of members at local, division and national levels across the globe and across backgrounds. It will also be my priority to inspire and nurture young and diverse talents across every educational avenue and affinity group to explore and engage in a career in chemistry. Lastly, I will strive to increase the impact of the ACS with educating and influencing external stakeholders from government agencies to non-profit or philanthropic organizations that influence the education, reputation and research agenda for Chemistry.

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**GAFFNEY, ANNE M.** *Division of Catalysis Science & Technology (Idaho Section)*. Idaho National Laboratory, Idaho Falls, Idaho.

**Academic Record:** University of Delaware, Ph.D., Physical Organic Chemistry, 1981; Mount Holyoke College, B.A., Chemistry and Mathematics, 1976.

**Honors:** ACS Energy & Fuels Distinguished Researcher Award in Petroleum Chemistry, 2019; ACS Fellow, 2010; ACS Distinguished Service Award, Division of Petroleum Chemistry, 2010; ACS Industrial Chemistry Award, 2013; Eugene J. Houdry Award of the North American Catalysis Society, 2015; Chemical Heritage Foundation, Women in Science Inductee, 2014; University of Delaware, Wall of Fame Inductee, 2014; Service & Leadership Award, 7<sup>th</sup> World Congress on Oxidation Catalysis, 2013; Honorary Committee for the 100<sup>th</sup> Anniversary of Girl Scouting, 2012; Industrial Colloquium Series Distinguished Lecturer Award, Center for Environmentally Beneficial Catalysis, CEBC, The University of Kansas, 2011; Mount Holyoke College Alumnae Achievement Award, 2011; Recipient of the Tribute to Women and Industry Award, sponsored by YWCA, honoring women and corporations in New Jersey, 2007; Recipient of the DOW/Union Carbide Reaction Engineering and Catalysis Seminar Series Award, 2006; Recipient of the Catalysis Club of Philadelphia Award for outstanding contributions to the field of catalysis, 1999; Take the Lead in Science and Technology Award, for outstanding leadership, awarded by the Girl Scouts of Pennsylvania, 1993.

**Professional Positions** (for past 10 years): Idaho National Laboratory, Chief Science Officer, Laboratory Fellow, 2014 to date; Director of R&D, Specialty Materials, INVISTA, 2011-13; Lummus Technology, Vice President of Technology, 2005-10.

**Service in ACS National Offices:** Council Policy Committee, 2019-22; Committee on Science, 2019-20; Committee on Economic and Professional Affairs, 2008-13, Committee Associate, 2007.

**Service in ACS Offices:** *Division of Catalysis Science & Technology:* Councilor, 2016-21, 2011-14. *Division of Energy & Fuels:* Councilor, 2012-13. *Division of Petroleum Chemistry:* Councilor, 2007-11; Alternate Councilor, 2005-06; Chair, 2000-01; Chair-Elect, 1999-2000; Treasurer, 1996-99; Region IV Representative, 1994-96. *Catalysis and Surface Science:* Secretary General Chair, 2003; Chair-Elect, 2002.

**Member** (current): Member ACS since 1976. Organic Reaction Chemical Society; North American Catalysis Society; Western States Catalysis Society; Philadelphia Catalysis Club; American Institute of Chemical Engineers. *ACS Division(s):* Catalysis Science and Technology; and Energy and Fuels.

**Related Activities:** American Institute of Chemical Engineers, Director of the Catalysis and Reaction Engineering Division, 2016 to date; North American Catalysis Society, International Fund Raising Co-Chair 2016 to date, International Meeting Chair 2005; International Representative for the U.S., 2018, and Co-Chair of the World Congress on Oxidation Catalysis, 2013; Selected "Woman of Influence", Mount Holyoke College, 2012; Editorial Board Member, *Catalysis Today*, 2008-09; U.S. Representative to the Executive Committee of the 6<sup>th</sup> World Congress on Oxidation Catalysis, 2008-09; Advisor to the National Academies on Science, Engineering, and Medicine, 2008-10; DOE Workshop Writer on "Basic Research Needs in Catalysis for Energy Conversion", 2007; NSF/DOE Workshop Writer on "Breaking the Chemical and Engineering Barriers to Lignocellulosic Biofuels", 2007; Organic Reaction Chemical Society, Editorial Board, 2006-10, Director 2002-06; Rohm and Haas, Senior Research Fellow, 2000-05; Philadelphia Catalysis Club, National Representative, 1996-2015, Director 1989-95, Chair 1986-87, Chair-Elect, 1985-86; published 105 peer-reviewed journal articles, 100 conference proceeding publications, 4 book chapters, and 256 patent/patent publications.

**STATEMENT**  
**Anne M. Gaffney**

I appreciate your consideration for American Chemical Society President-Elect in 2022. As a 42-year member, I have taken to heart its passion for the global chemistry enterprise. With the world at a crossroads, I would be honored to lead ACS and convey its mission to the nation. If chosen as President-Elect, my top priorities would be advancing chemical science education and job creation by emphasizing advanced manufacturing and technologies at the energy-food-water nexus.

**Fostering innovation**

Research and development is the tap root of industrial growth and evolution; strong R&D sprouts productive innovation. While we consider the importance of chemical sciences to our economy, we should not forget that the whole world looks to the United States for innovation. By emphasizing R&D, ACS can foster global innovation, advance the chemical science workforce, inform public policy and enhance public understanding of how chemistry affects our daily lives.

The supply of freshwater for residential, industrial and agricultural uses has become an increasingly significant issue worldwide. Technical challenges associated with the energy-water-food nexus, center around the economics of water recovery and reuse. Significant drivers exist for lowering industrial water life-cycle costs by avoiding costly discharge and disposal. R&D can improve water technology and systems, integrate processes and preserve system flexibility to meet water quality goals at the correct cost.

The manufacturing sector is another area widely recognized for its importance to the U.S. economy. Yet funding for industrial chemistry R&D, which underlies much of this sector, has steadily declined for the past 30 years. If U.S. manufacturing is to maintain a competitive edge, R&D will be necessary: to develop new processes and technologies; to ensure critical material supplies; to improve feedstock source utilization; and to enable next-generation catalysis. ACS leadership can help maintain our nation's status as the world leader in research and innovation.

This national science priority emphasizes partnerships between industry, academia and national labs. As someone whose career has spanned each of these areas, I have seen how the three can work together to propel new ideas through the process of discovery, development and commercialization. These efforts can be broadened internationally, and as ACS president-elect, I would make it a priority to interact and consult with international scientific organizations.

**Strengthening education and the workforce**

Innovation will lead to skilled U.S. jobs that prompt job creation within supporting industries. During my previous ACS service, I led multiple national surveys to understand trends related to training and compensation in the government, industry and academia. As our professional landscape evolves, I would continue efforts to ensure salary and compensation parity for all professional chemists and scientists.

To maintain the chemical industry's position of leadership, the United States needs a strong educational system producing highly qualified chemists, scientists and educators. Robust mentoring and internship relationships throughout academia, national labs and industry are paramount for passing knowledge and skills to the next generation. Educational programming is already in place at the national labs to broaden the scientific insights of students ranging from precollege to postdoctoral. This system can serve as a model to supply academia, the government and industry with high-quality new talent.

**Sustainability in public policy**

When our message is articulated clearly for elected officials, it is highly persuasive. It is crucial for ACS to spread awareness of how vital the chemical sciences are to manufacturing, the millions of people it employs, and



its contribution to the nation's exports and gross domestic product. As President-Elect, I would prioritize development of a cadre of advocates to spread the message at all levels of government. As recently as March 2016, I participated in a congressional briefing about advanced manufacturing, and my current professional position gives me a front-row seat to national policy discussions and decisions. ACS has an important leadership role to play in ensuring informed decision-makers.

**Public outreach and openness**

From the clothes we wear to the critical materials in our electronic devices, there is no escaping the impact of chemistry on our daily lives. Although not every person aspires to become a chemist or scientist, our national interest hinges on a scientifically literate public that recognizes how better chemistry is essential to a better quality of life. From its national programs to local sections, ACS has a network in place to demonstrate that we can offer solutions to challenges that might otherwise seem insurmountable. If elected, I would relish the opportunity to boost the public's understanding of how chemistry touches their everyday lives.

Thank you for your thoughtful consideration.

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**GIORDAN, JUDITH C.** *Connecticut Valley Section*; ecosVC, Inc., Pelham, Massachusetts, Tucson, Arizona and Corvallis, Oregon.

**Academic Record:** Rutgers University, B.S., 1975; University of Maryland, Ph.D., 1980; University of Frankfurt, Postdoctoral 1980-81.

**Honors:** ACS Fellow, 2013; Garvin-Olin Medal, ACS, 2010; Alexander von Humboldt Innovative Networking Prize, 2015; Henry F. Whelan, Jr. Award for Business Excellence and Development, Division of Business Development and Management, ACS, 2014; Who's Who in International Leaders of Business, 1994-96; Who's Who in American Women of Science, 1993; Alexander von Humboldt Postdoctoral Fellow, 1980-81; Gillette Research Fellow, University of Maryland, 1979-80; George H. Cook Scholar, Rutgers University, 1974-75; Alpha Tau Alpha and Alpha Zeta.

**Professional Positions** (for past 10 years): ecosVC, Inc., Managing Director/Vice President, 1992 to date; Chemical Angels Network, Co-Founder, 2012 to date; Oregon State University, Professor of Practice, 2014-19; National Science Foundation, Program Officer, 2006-08; University of Southern Mississippi, Professor of Practice, 2002-08; International Flavors and Fragrances, Corporate Vice-President – Chief Technology Officer/Global Director of Research & Development, 1997-99; The Pepsi-Cola Company, Vice-President Worldwide Research & Development, 1996-97; Henkel Corporation, Vice-President R&D, 1989-96; Teroson, Inc., a division of Henkel Corporation, Vice-President and General Manager, 1994-95.

**Service in ACS National Offices:** Committee on Corporation Associates, 2015-18, Consultant, 2019-20; Women Chemists Committee, Committee Associate, 2012-14, Consultant, 2006-11; Board of Directors, District III, 1993-96; Councilor, ex officio, 1993-96; Committee on Public Affairs and Public Relations, 1995-96, Chair, 1995-96; Committee on Professional and Member Relations, 1993-94; Committee on Publications, 1991-96; Task Force on Public Image, 1995; Ad Hoc Committee on Industry Relations, 1995; *Chemical & Engineering News* Publishing Board, 1992-93, 1995-96.

**Service in ACS Offices:** ACS Fall 2020 National Meeting, MPPG Co-chair, 2018-20; Presidential Initiative on Innovation, Chair, 2017-19. *Northwest Regional Meeting*: Program Track Co-Organizer, 2017-19; ACS Task Force on Governance, 2016-19; Presidential Poll Task Force, Chair, 2001. *California Section*: Alternate Councilor, 2001-06.

**Member (current):** Member ACS since 1977. *ACS Division(s):* Agricultural & Food Chemistry; Business Development & Management; Inorganic Chemistry; Small Chemical Businesses.

**Related Activities:** nexTC 2019 to date; National and Regional ACS Meeting Symposium Organizer 2009 to date; Invited Symposium Speaker 1995 to date; Qteros, Inc./LLC, 2006-14; Zygot Games LLC, 2005-06; Waterman Committee Foundation Member, 2004-07, Chair, 2007; Integral Solutions, LLC, dba IEXECStreet 2001-03; Steel City, RE 2003-08; ACS Tour Speaker 2000-06; Voltage, Inc. 2000-05; Board for Science and Math Standards 1997-99; National Science Chemistry Division Advisory Committee; Math and Physical Sciences Advisory Board, 1996-99; Chemical Manufacturers Association (now the American Chemistry Council), representative Henkel Corporation, 1994-96; National Research Council, Board on Chemical Sciences and Technology, 1994-97; Industrial Research Institute, Board of Directors, 1993-96, Seminar Committee, 1995-96, Study Groups, 1994-95, Chair, Pre-College Education Committee, 1991-93; Conference Board, Speaker and Advisory Committee, 1993-97; Executive Committee Corporate Council on Math and Science Education, 1992-94; testimony given before Congressional Committee on Science, 1993; Representative to White House Symposium honoring Women in Industrial Science, 1993; Venture Co-Founder/Board member (examples include), ecosVC, Inc. (formerly Visions in Education) 1992 to date; Wissahickon Educational Opportunities Foundation, Vice-President, and Co-founder, 1990-93. *University Advisory Boards:* Oregon State University, College of Science Industry and Innovation Board, 2018 to date; Purdue University, Innovation Commercialization Board 2017-18; University of Maryland, Chemistry Department, Visiting Committee, 2012-15; Pennsylvania State University, Institute for the Study of Business Markets, Smeal Business School 2003-05; University of Maryland, College of Life Sciences Advisory, 2001-04.

**STATEMENT**  
**Judith C. Giordan**

**Why Judy?**

**I have always believed in the power of chemists and chemistry for creating good.**

This belief has shaped my entire career: in industry as an individual contributor or R&D executive, as an investor in or founder of STEM-intensive companies; as a member of government agency advisory boards/staff; and in founding ecosVC, where my passion is to ensure *EVERY* STEM researcher has the skills, network and resources to determine how their research can make a positive impact in the world. Why? As chemists and engineers, we all want our research to answer important questions and solve problems.

My passionate belief in the greatness of chemistry has led me to be an ACS volunteer for more than 44 years. I was hooked on ACS when I gave my first talk at a Middle Atlantic Regional Meeting of ACS in 1977. C&EN wrote up the talk as a highlight of the meeting! My advisor was thrilled – and the rest is history.

My ACS bio will provide details of my roles. I've proudly served as a member of the ACS Board of Directors which founded ACS Scholars, as chair/member of committees and taskforces, organized symposia at national/regional/local section levels, and most recently, served as MPPG theme co-chair for fall 2020. Throughout my life, my time, dedication, support for and loyalty to chemists, chemistry, and ACS has never wavered.

**It feels like the worst of times -- can it also be the best of times for positive change?**

Yet, current times can, to paraphrase, try people's very souls. But times like these should also be the catalyst to make us look at the need for change squarely in the face and *without fear embrace positive and constructive changes that can make for a more just and equitable world...*

From the basic research in mRNA that led to vaccines in record time backed by a formidable supply chain that is strained daily, to the repurposing of drugs developed for other uses to aid in response to COVID-19, to showcasing this great work with new methods of scientific communication – chemistry was breaking news in 2020! As a Co-chair of the Fall 2020 National Meeting and working with volunteers across Divisions/Committees and ACS Staff, we transformed a face-to-face meeting (three years in planning) to a totally virtual meeting in under two months. We launched with a first-ever kickoff video featuring talks from four research leaders including the Moderna CSO and Remdesivir inventor. More than 1,700 people viewed the kick-off live, thereby demonstrating the power of virtual platforms to help improve member connectivity, involvement, and to get new members to help us grow together.

**With Council support, what are my priorities for 2022-2024?**

If selected by Council as a candidate for ACS President-Elect there are several key issues I would focus on with support from Council, Divisions, Committees, Local Sections and Members:

Achieving diversity, inclusion, justice, equity and respect in all its forms, is the bedrock upon which all initiatives *must be built and measured* to ensure *all* people can freely contribute, to the fullest extent, to technical solutions to global challenges, while building meaningful careers and living fulfilling lives.

Innovation and Career Development go hand-in-hand for scientists/engineers in the 21<sup>st</sup> century and is the construct for: building highly relevant programming for industry members; bringing together students/student chapters with industrial mentors; working to rebuild industrial membership by reaching out to science-intensive start-ups and demonstrating the importance and relevance of ACS membership; and ensuring ACS is the place the next generation looks to for access to today’s innovators.

Connectivity must enable interactions among our members on themes important to chemists and chemistry by *using virtual platforms* to support thematic meetings during the year, involving divisions/committees/local sections; to collect insights from all members with forums on key topics important to ACS, building on the recommendations from the Task Force on Governance Design, of which I was proud to be a member; to help members grow their networks for skill development and job opportunities across divisions/sections/committees; and to build a Virtual ACS Speaker Service that brings more diverse and relevant speakers to our members and builds a retrievable archive for future use.

Sustainability, including increasing support of the UN Sustainable Development Goals (SDGs) through internationally aligned thematic programming; working with divisions and committees to integrate the SDGs into strategic plans; and exploring opportunities for co-sponsored programming with other professional societies. ACS can help multiply the impact of sustainability globally.

**Let’s build a more inclusive tomorrow – together.**

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**WARNER, JOHN C. *Northeastern Section*.** Zymergen Corporation, Emeryville, California.

**Academic Record:** University of Massachusetts Boston, B.S., 1984; Princeton University: Ph.D., Chemistry 1988.

**Honors:** ACS Fellow, 2012; Harry and Carol Mosher Award, ACS Silicon Valley Section, 2016; University of Bath, Sustainability Global Chair, 2020; Doris and Kenneth Kolb Chemistry Lectureship, Bradley University, 2019; “The John Warner Center for Green Chemistry Startups” German Government, 2017; American Association for the Advancement of Science, Lemelson Invention Ambassador, 2016; SCI Perkin Medal Award, 2014; One of the 25 Visionaries, “Changing the World” Utne Reader, 2012;

Environmental Merit Award, US EPA, 2011; International Career Institute, One of the most influential people impacting the Chemical Industries and Sciences, 2008; Award for Outstanding Leadership, Council of Science Society Presidents, 2008; Presidential Award for Excellence in Science Mentoring, NSF & President Bush 2004; Distinguished Chemist of the Year, American Institute of Chemists, North Eastern Chapter, 2002; Reinventing Government, National Performance Review, Vice President Al Gore, 1997.

**Professional Positions** (for past 10 years): Zymergen Corporation, Senior Vice President, Chemistry & Distinguished Research Fellow, 2020 to date; Monash University, Distinguished Professor of Green Chemistry, 2019 to date; Beyond Benign, Co-Founder, 2007 to date; Warner Babcock Institute for Green Chemistry, Co-Founder, 2007 to date.

**Service in ACS National Offices:** Governing Board for the ACS Green Chemistry Institute, 2005-10; Editorial Board, *Crystal Growth and Design*.

**Member** (current): Member ACS since 1984. *ACS Division(s)*: Chemical Education; Chemical Health & Safety; Chemical Toxicology; Environmental Chemistry; Industrial & Engineering Chemistry; Medicinal Chemistry; Organic Chemistry; Polymer Chemistry; Polymeric Materials Science & Engineering; Small Chemical Businesses.

**Related Activities:** National Meetings, Chaired or Co-Chaired 10 – 12 sessions; ACS Regional and National Meetings, Presenter or Co-Presenter of over 100 papers; Served on various National Awards Selection Committees; ACS Diversity; ACS Global Chemistry; International Activities; Newsletter for Senior Chemists; Sustainable & Green Chemistry and Nexus Newsletters; holds nearly 300 patents; over 100 publications providing foundational work in the fields of noncovalent derivatization, polymer photochemistry, metal oxide semiconductors and synthetic organic chemistry; coauthored the defining text and articulated the 12 principles of green chemistry.

### **STATEMENT** **John C. Warner**

In 1983, I spoke at the ACS National Meeting. At 20-years-old, I realized that I not only liked chemistry, I LOVED chemistry. I was a first-generation college student from a blue-collar family. Among the thousands of people wearing their ACS name tags, I felt “at home”. The ACS provides this environment for people with unique backgrounds and perspectives, to give them the tools and resources to pursue their passions.

Over my 40-year career, I’ve worn many lab coats. As an industrial chemist, I received the Perkin Medal for work that I began at the Polaroid Corporation on noncovalent derivatization and green chemistry. As an academic, I received the PAESMEM Award from President Bush and the NSF while a full professor of chemistry and plastics engineering at UMASS. As an entrepreneur, I was named a Lemelson Invention Ambassador for my 300+ patents and the six new companies created based on my work and inventions. I am engaged in government policy, having served on chemicals policy initiatives in the US, the EU and Australia.

This broad chemistry experience has given me a perspective on how chemists (and society) view the way we **Do, Teach, Invent, and Manage** chemistry. The world is facing serious problems that need solutions. Countless women and men, at hoods and benches, have prepared us for this moment. Many in society applaud chemistry’s accomplishments: Vaccines to free us from a global pandemic, molecules in computer chips allow spacecraft to take off and return to earth with amazing precision, and agricultural technologies that feed the world’s hungry, are powerful examples. But there are also those that see chemistry as a cause of climate change and environmental damage, as insidious components in our everyday products that cause cancer, birth defects and other diseases. Despite all the benefits, chemists still face the dual challenge of low public awareness and skepticism.

In an era of increasing science denialism, chemists aren't alone in facing these challenges. I believe chemistry is uniquely capable of bridging disciplines and moving society away from doubt and back toward belief in discovery. While issues facing society are complex, and solutions require perspectives from everyone, we in chemistry have an opportunity to be more proactive in sharing our perspective – helping shift perception not only by telling, but by showing the path to a better future.

If I am given the honor of serving as the President of the ACS, I will help bring the various groups of our broader culture – both from inside and outside the ACS – together. My three main goals will be focused around this unifying theme:

- **Diversity and Inclusion:** There are significant systemic issues in both our professional community and the broader society that require new eyes and new ideas. We must improve how we think about and address issues of inclusion and diversity, and open the door to a broader spectrum of people.
- **Education:** I co-authored the book “Green Chemistry Theory and Practice” that established the 12 Principles of Green Chemistry. I feel that integrating concepts of sustainability and green chemistry into the K-12 and university curricula is an important part of bringing us closer to the society we serve. The ACS Education division and the Green Chemistry Institute have done amazing things. I look forward to helping to evolve their reach and integration throughout society inside and outside the ACS.
- **Multidisciplinarity:** The worlds of physics, biology and chemistry are changing quickly, and the boundaries are blurring further. We must not lose sight of the fact that chemistry is central to the design and understanding of the transformations of matter, whether it happens inside an organism, in huge stainless-steel reactors or an industrial fermentation tank. We must continue to bring the various sub disciplines together and use our collective spirit of innovation to drive positive change for society at large.

Like many chemists in the field today, I owe my career to the services and opportunities that the ACS provides. ACS insights helped me submit my patent applications. The ACS supported me in the 90's when we started the world's first Green Chemistry PhD program at UMASS. The ACS's intellectual ecosystem helped create the companies to commercialize my inventions. And the ACS, through the Green Chemistry Institute, continues to advance one of my greatest passions. The ACS has many capable people to choose for the next President. I am honored to be considered and will work tirelessly to advance the ACS mission if I am given the opportunity to serve.

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ANNOUNCEMENT OF NOMINEES, DISTRICT DIRECTORS

In accordance with the provisions of Standing Rule IV, Sec. 9, candidates for District Director are selected by the voting Councilors of the District to be served. The Committee on Nominations and Elections selected the following as nominees for a 2022-2024 term:

DISTRICT I

D. Richard Cobb  
Warren D. Hull, Jr.  
Katherine L. Lee  
Gerard F. Parkin

DISTRICT V

Lisa M. Balbes  
Kenneth P. Fivizzani  
Joseph A. Heppert  
Martin D. Rudd

Ballots as appropriate are now handled by Survey & Ballot Systems, our national election vendor, using the procedures developed by the Committee on Nominations and Elections and approved by the Council, and have been emailed to voting Councilors residing in Districts I and V with the results of the balloting to be announced in *Chemical & Engineering News*, and at the 2021 virtual Council meeting on March 24, 2021.

On or before October 10, ballots will be mailed to all members of District I and District V for election of a Director from each District.

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PERTINENT PROVISIONS GOVERNING ELECTION  
OF DISTRICT DIRECTORS

Standing Rule IV, Sec. 9

c. On or before January 15, the Committee on Nominations and Elections shall send to the Chief Executive Officer the names of not fewer than four MEMBERS of the SOCIETY as nominees for each position of District Director to be filled. Each nominee must be entitled to vote in the District electing the District Director for which the nominee would be a candidate. When elected, each District Director may serve a complete term despite changes in Local Section or address or in any District boundary.

d. On or before March 1, the Chief Executive Officer shall send a preferential ballot to each Councilor in the District electing a District Director; the ballot shall contain the names of the nominees for District Director of that District, as selected by the Committee on Nominations and Elections. This primary election shall be conducted using procedures developed by the Committee on Nominations and Elections and approved by the Council. Ballots shall be returned no later than four weeks after the ballots are distributed.

e. One percent of the members of the SOCIETY entitled to vote in the District electing a District Director, not more than one third (1/3) of whom are assigned to any one Local Section, may nominate a candidate for District Director by filing a petition with the Chief Executive Officer by July 15. Each member may nominate no more than one candidate for District Director in a given election. A petition candidate must be entitled to vote in the District electing the District Director for which the MEMBER is a candidate. The names of any petition candidates shall be included on the ballot along with the names of those selected by the District's Councilors.

## ANNOUNCEMENT OF CANDIDATES, DIRECTORS-AT-LARGE

Standing Rule IV, Sec. 8, provides that "On or before January 15, the Committee on Nominations and Elections shall transmit to the Executive Director of the SOCIETY the names of the MEMBERS of the SOCIETY selected as candidates for the positions of Director-at-Large to be filled. The number of such candidates shall be at least twice the number of such positions to be filled. These names shall be announced to the Council at a meeting to be held not later than May 1."

The election of Directors-at-Large will be conducted in the fall, with ballots mailed to the Council on or before October 10. The incumbents are Lee H. Latimer and Ingrid Montes. Lee Latimer is eligible for reelection and Ingrid Montes is ineligible for reelection.

Other Directors-at-Large, whose terms continue, are as follows:

Bryan Balazs .....	2020-2022
Dorothy J. Phillips. ....	2020-2022
Wayne E. Jones, Jr. ....	2021-2023
Carolyn Ribes.....	2021-2023

The Committee on Nominations and Elections announces selection of the following candidates for Directors-at-Large for a 2022-2024 term:

Rodney M. Bennett  
Arlene A. Garrison  
Natalie A. LaFranzo  
Lee H. Latimer

Biographies of the candidates follow.

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**BENNETT, RODNEY M.** *Central North Carolina Section.* Winding Trails, LLC, Winston-Salem, North Carolina.

**Academic Record:** Wake Forest University, B.S., 1979.

**Honors:** ACS Fellow 2015; Agrochemical Division, ACS, Fellow, 2005; Royal Australian Institute of Chemists, Fellow, 2006; American Institute of Chemists, Fellow, 1989; National Certification Commission in Chemistry, Certified Professional Chemist, 1985.

**Professional Positions** (for past 10 years): Winding Trails, LLC, Principal and Owner, 2017 to date; Bennett (Analytical Chemist), 2016 to date; Critical Path Services, Vice-President, 2015, Business Development, 2016-17; Jai Research Foundation America, Vice President Operations, 2007-15; Cerexagri Inc., Group Leader, 1999-2007.

**Service in ACS National Offices:** Committee on Committees, 2019-21; Committee on Divisional Activities, 2013-18, Chair, 2016-18; Committee on Strategic Planning, 2016-18; Council Policy Committee, (Nonvoting), 2016-18; Strategic Planning Committee, 2016-18; ACS Safety Special Planning Session, 2017; Advisory Board, *Journal of Agriculture and Food Chemistry*, 2003 to date.

**Service in ACS Offices:** *Agrochemicals Division:* Councilor, 2012-20; Alternate Councilor, 2009-11, 1997-2001; Chair, 2004; Chair-Elect, 2003; Vice-Chair, 2002. *Central North Carolina Section:* Chair, 2020, 1999; Chair-Elect, 2019, 1998; Secretary, 1997; Treasurer, 1996; Editor, “*Triad Chemical Times*”, 1997. *Academic-Industrial-Matrix,* Chair, 1995-98. *Chemical Society of Washington:* Secretary, 1994; Board Member, 1992-94; Editorial Board for “*The Capital Chemist*”, 1992-94.

**Member (current):** Member ACS since 1979. American Association for the Advancement of Science; Association of Official Analytical Chemists; American Institute of Chemists; National Association of Independent Crop Consultants; American Society for Testing and Materials (ASTM); Society of Environmental Toxicology and Chemistry; Weed Science Society of America; North American Chemical Residue Workshop Group. *ACS Division(s):* Agricultural & Food Chemistry; Agrochemicals; Analytical Chemistry; Business Development & Management; Environmental Chemistry; Professional Relations; Small Chemical Businesses.

**Related Activities:** Divisional Officers Caucus, 2001-10.

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**GARRISON, ARLENE A.** *East Tennessee Section.* Oak Ridge Associated Universities, Oak Ridge, Tennessee.

**Academic Record:** University of Tennessee, B.A., 1975; University of Tennessee, Ph.D., 1981; University of Tennessee, B.S. (E.E.), 1988.

**Honors:** ACS Fellow, 2014; American Association for the Advancement of Science, Fellow, 2020; Fulton High School Wall of Fame, 2018; Community Hero Olympic Torchbearer, 1996; University of Tennessee Knoxville, Professional Development Award, 1994; Chancellors Citation, 1993; Meggers Award, 1982; Phi Beta Kappa; Phi Kappa Phi; Alpha Lambda Delta.

**Professional Positions** (for past 10 years): Oak Ridge Associated Universities, Vice President, 2010-20; National Science Foundation, Program Manager, 2008-10; University of Tennessee, Associate Vice-President, 2000-10.

**Service in ACS National Offices:** Senior Chemists Committee, 2019-23, Chair, 2019-21, Committee Associate, 2018; President’s Task Force on National Meetings, 2012-13; Committee on Budget and Finance, 2009-17, Committee Associate, 2008; Board of Trustees, Group Insurance Plans for Members, 2009-17, Vice Chair, 2012; Women Chemists Committee, 1998-2007, Committee Associate, 2007; President’s Task Force on Women’s Issues, 2001.

**Service in ACS Offices:** Business Development and Management Division: Past-Chair, 2019, Chair, 2018, Chair-Elect, 2017. East Tennessee Section: Alternate Councilor, 2006-23; Councilor, 1996-2004; Chair, 1992; Chair-Elect, 1991; Secretary, 1989-90. Southeastern Regional Meeting: Local Arrangements Chair, 1999.

**Member (current):** Member ACS since 1979. American Association for the Advancement of Science, National Academy of Inventors, Emory Valley Center Board; Southern Appalachian Science and Engineering Fair Board, 1993-2020; Tau Beta Pi Alumnus Board, 2011-20. *ACS Division(s):* Analytical Chemistry; Business Development and Management; and Chemical Education.

**Related Activities:** Boy Scouts of America National Jamboree, Chemistry Merit Badge, 2010, 2013, 2017; General Chair, Federation of Analytical Chemistry and Spectroscopy Societies Conference, 2000; Council for Chemical Research, Governing Board, 2000-02; Knoxville and Knox County Public Building Authority, 1995-2008, Chair 2000-02; Coblenz Society President, 1997-98; University of Tennessee Chemistry Department Board of Visitors, 1994-2020.

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**LAFRANZO, NATALIE A. *Northeastern Section.*** Cofactor Genomics, San Francisco, California.

**Academic Record:** Bradley University, B.S., 2007; Washington University, Ph.D., 2013.

**Honors:** ACS Younger Chemists Committee Leadership Development Award, 2011; International Union of Pure and Applied Chemistry, Young Observer, World Chemistry Congress, 2019; Periodic Table of Younger Chemists, Recognition as “Cs”, 2019; New York Academy of Sciences NeXXt Scholars Mentoring Fellow, 2014-15; Presidential Management Fellowship Finalist, 2013; The Biotechnology and Life Sciences Advising Group, Project Manager of the Year Award, 2012; National Science Foundation, International Materials Institute for Solar Energy and Environment Travel Award, 2012; Graduate Assistance in Areas of National Need Fellowship, 2009-10; Washington University Chemistry Departmental TA Award, 2008; United States Department of Agriculture National Center for Agricultural Utilization Research, Next Generation Award Recipient, 2006; Bradley University College of Liberal Arts and Sciences Intern of the Year, 2006.

**Professional Positions** (for past 10 years): Cofactor Genomics, Vice President, Market Development, 2019 to date; Director of Scientific Projects and Market Development, 2016-19; Project Scientist, 2013-15; Horizon Discovery, Product Manager, Next Generation Sequencing Products, 2016; Customer Support and Technical Support Scientist, 2015-16; Washington University, Head Cheerleading Coach, 2007-19; Graduate Researcher, 2007-13.

**Service in ACS National Offices:** Diversity, Equity, Inclusion, and Respect Advisory Board, 2016-21, Chair, 2020-21; Committee on Budget and Finance, 2020-22, Committee Associate, 2019; Younger Chemists Committee, 2015-18, Chair, 2016-18, Committee Associate, 2013-14; Task Force on Governance Design, 2017; Chemical Innovation and Entrepreneurship Council, 2014-16.

**Service in ACS Offices:** *Division of Business Development & Management:* Alternate Councilor, 2021-23. *Northeastern Section:* Alternate Councilor, 2020-22; *Division of Professional Relations:* Member at Large, 2018-22; *St. Louis Section:* Councilor, 2019; Alternate Councilor, 2018; Past Chair, 2018; Chair, 2017; Chair Elect, 2016; Secretary, 2014-15; *Midwest Regional Board:* Representative, 2016-18; Secretary, 2014-15; Leadership Development Forum, 2012-19.

**Member** (current): Member ACS since 2007. Association for Women in Science; American Association for the Advancement of Science; International Union of Pure and Applied Chemistry; Society for Immunotherapy of Cancer; *ACS Division(s):* Biochemical Technology; Business Development and Management; Professional Relations; and Small Chemical Businesses.

**Related Activities:** International Younger Chemists Network, International Society Liaison Team Co-Lead, 2019 to date; Younger Chemists Chemical Innovation and Entrepreneurship Council, 2014-16; The Biotechnology and Life Science Association Foundation, Idea Supporter, 2014 to date; organized various networking and professional development events at the local, national, and international level, including a ‘Crash Course in Professional Development’ at the inaugural Atlantic Basin Conference on Chemistry; published multiple op-ed pieces on precision medicine and professional development, including a chapter in the ACS Book on *Addressing Gender Bias in Science & Technology*.

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**LATIMER, LEE H. *California Section.*** Consultant, LHLatimer Consulting, Oakland, California.

**Academic Record:** Tulane University, B.S., 1971; University of Wisconsin, Ph.D., 1976; post-doctoral research, University of California–Berkeley, 1976-77; and University of Wisconsin School of Pharmacy, 1977-79.

**Honors:** Howard Fawcett Chemical Health Award, Division of Chemical Health and Safety, ACS, 2016; Shirley B. Radding Award, Santa Clara Valley Section, ACS, 2014; ACS Fellow, 2012; Walter B. Petersen Award, California Section, ACS, 2010; Rochester Section Award, ACS, 1991; Chemical Sciences Excellence Award, Elan Pharmaceuticals, 2009; Gold Team Achievement Award, Kodak Research Labs, 1992; NIH Post-Doctoral Fellowship, 1977-79; Phi Beta Kappa, 1971; Sigma Xi, 1971.

**Professional Positions** (for past 10 years): Consultant in drug development, LHLatimer Consulting, 2011 to date; NeurOp, Inc., Head of Chemistry, 2014-16 (a virtual pharmaceutical company); Elan Pharmaceuticals, 1995-2011, Senior Director, Process and Analytical Chemistry, 2005-11, Chemical Hygiene Officer, 2004-10; Lecturer, San Francisco State University, 2012.

**Service in ACS National Offices:** Board of Directors, Director-at-Large, 2016-21; Councilor ex officio, 2016-21; Committee on Public Affairs and Public Relations, 2016-21, Chair, 2021; Task Force on Future Meetings, Co-Chair, 2019 to date; Board Strategic Planning Committee, 2011-12, Advisor, 2018; Council Policy Committee, (Voting) 2013-15, (Nonvoting), 2010-12; Task Force on Councilor Divisor, 2015, Chair, 2015; Task Force on Councilor Travel Reimbursements, 2013-14, Chair, 2013-14; Committee on Local Section Activities, 2007-12, Chair, 2010-12; ACS Fellows Oversight Committee, 2010-11; Committee on Public Relations and Communications, 2003-06, 1994-98, Committee Associate, 2001-02, 1993; Board Committee on Planning, 2010-12; Leadership Institute, Track Leader for Local Sections, 2010-12; Leadership Institute Planning Group, 2011-12; Canvassing Committee, Grady-Stack Award, 1996-98.

**Service in ACS Offices:** *California Section:* Councilor, 2004-15; Alternate Councilor, 2003, Chair, 2004, Chair-Elect and Program Committee Chair, 2003, Member-at-Large to Excom, 2017 to date, Long Range Planning Committee, various committees; *Division of Organic Chemistry:* Liaison to Multi-Disciplinary Program Planning Group, 2014-15; *Rochester Section:* Alternate Councilor, 1991-93; Chair, 1988; Chair-Elect, 1987; NCW Chair, 1989-1992, many other committees; *Philadelphia Section:* NCW Committee, 1993-94. *Santa Clara Valley Section:* NCW Committee, 1998; *Western Regional Board:* Chair, 2014-16; Vice-Chair, 2010-13; California Section Representative, 2007 to date; *Western Regional Meeting:* General Co-Chair, 2013; *Northeast Regional Meeting:* Organic Program Chair, 1981.

**Member** (current): Member ACS since 1972. American Association for the Advancement of Science; American Association of Chemistry Teachers; American Association of Pharmaceutical Scientists; National Organization for the Professional Advancement of Black Chemists and Chemical Engineers; Society for the Advancement of Chicano and Native American Scientists. *ACS Division(s):* Business Development and Management; Chemical Education; Chemical Health & Safety; Chemistry and the Law; History of Chemistry; Industrial & Engineering Chemistry; Medicinal Chemistry; Organic Chemistry; and Small Chemical Businesses.

**Related Activities:** Local Section Non-Officer Volunteer, California Section, 2020; District VI Caucus Chair, 2009; LSAC Subcommittee on Grants and Awards, Chair, 2008-09; Chemists in the Community, Co-organizer, San Francisco ACS National Meeting, 2006; Interview Skills Workshops, Co-founder, joint project of California and Santa Clara Valley Sections (now Silicon Valley Section), and NorCal Section of AIChE, 2004 to date; Tulane University, School of Science and Engineering Board of Advisors, 2006 to date; University of California–Davis, R. Bryan Miller Symposium Committee, 2013-15; Rochester Council of Scientific Societies, President, 1990-93; Mentor in FAST Program of advisors to entrepreneurs in California Life Sciences Association, 2017 to date; Tutor in Encorps Educators program, 2015-16; Kodak Research Labs, 1979-93; Sterling Winthrop Inc., 1993-95; Adjunct Professor, Rochester Institute of Technology, 1985; Visiting Adjunct Professor, University of Rochester, 1982-83; Co-inventor on >55 issued U.S. Patents, > 35 publications and invited presentations.

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## REQUEST FOR SUGGESTIONS FOR 2022 DIRECTORS AND SOCIETY OFFICERS

### A Reminder

The Committee on Nominations and Elections needs the aid of Councilors in discharging the following responsibilities specified in the Standing Rules:

1. receiving from members suggestions of persons who should be considered when selecting proposed nominees for SOCIETY offices
2. preparing a panel of nominees for District Directors and President-Elect, and of candidates for Directors-at-Large

The Committee asks each Councilor to examine the following list of positions to be filled on January 1, 2023, and the list of those continuing in related posts. Names of individuals suggested for nominations should then be inserted in the appropriate blanks. These sheets can be emailed to the Chair of the Committee: Dr. Amber S. Hinkle - nomelect@acs.org

### PRESIDENT-ELECT

Incumbents in the 2021 Presidential succession are: President, Dr. H. N. Cheng; President-Elect, Dr. Angela K. Wilson and Immediate Past President, Dr. Luis A. Echegoyen. Nominees for President-Elect in 2022 are Gerard Baillely, Anne M. Gaffney, Judith C. Giordan, and John C. Warner. From this list, two will be selected at this Council meeting to run (along with any others nominated by petition) as candidates for the election this fall (see Council agenda Item IV, A, **pages 21-29**).

### **DESCRIPTION OF DUTIES AND DESIRED CHARACTERISTICS FOR PRESIDENT-ELECT NOMINEES**

#### **The President is the Primary Representative of the Society on Many Matters**

#### **Some Major Duties or Functions:**

- Champion ACS programs or activities that fall within the areas of his/her interest
- Works with the Board of Directors to identify key themes and priorities; supports those themes with presidential programming at National Meetings
- Preside at Council meetings
- Works jointly with the Chair of the Board in the appointment of members to Committees
- Chair the Council Policy Committee
- Advocacy activities
- Key spokesperson on ACS policies to the media

#### **Some Desired Characteristics:**

- Ability to represent the Society on the world stage
- Ability to work collaboratively with Board colleagues for the benefit of ACS
- Integrity and strong ethical character
- Strong commitment to advocate for chemistry
- Enthusiasm for the job
- Ability to communicate in writing and orally
- Business acumen
- Leadership experience
- Visibility and credibility within the profession
- Vision and ability to get things done
- Flexibility to travel
- Enthusiasm for meeting and working with members

## **DESCRIPTION OF DUTIES AND DESIRED CHARACTERISTICS FOR DIRECTOR-AT-LARGE & DISTRICT DIRECTOR CANDIDATES**

**The Board of Directors is the legal representative of the SOCIETY, and, as such, shall have, hold, and administer all the property, funds, and affairs of the SOCIETY.**

### **Some Major Duties:**

- Ensure the fiscal soundness and financial stability of the Society
- Review and approve the Society's annual operating budget
- Establish salary and compensation of ACS executives
- Review and approve new Society initiatives
- Establish and revisit Society policies
- Guide the ACS in accord with the mission and vision
- Ensure that the ACS meets the needs of its members, its constituents, and the profession
- Attend Board & Council meetings; execute assigned duties; represent the Board at other events
- Minimum time commitment: 30-45 days per year

### **Some Desired Characteristics:**

- Integrity and strong ethical character
- Strong communication skills
- Ability to collaborate with others in the accomplishment of goals and creation of new programs
- Business and budget acumen
- Willingness to make tough decisions
- Demonstrated leadership and governance experience
- Commitment to the Society's goals and strategic plan
- Broad vision and strategic thinking
- Places welfare of the Society above personal ambitions
- Team Player, but independent in thought
- Enthusiasm for meeting and working with members

### **DIRECTORS-AT-LARGE**

Incumbents whose terms expire at the end of 2022 are Bryan Balazs and Dorothy Phillips. Bryan Balazs is eligible for reelection. Dorothy Phillips is ineligible.

Wayne E. Jones, Jr., Lee H. Latimer, Ingrid Montes, and Carolyn Ribes, are other Directors-at-Large. From the following candidates (plus any nominated by petition), two will be elected this fall for a three-year term, 2022-2024: Rodney M. Bennett, Arlene A. Garrison, Natalie A. LaFranzo and Lee H. Latimer (see Council agenda **Item IV, C, pages 31-34**).

### **DIRECTOR, DISTRICT II**

Elected by members of local sections having their headquarters in Indiana (except the St. Joseph Valley and Wabash Valley Sections), Kentucky, Michigan (except the Kalamazoo and Upper Peninsula Sections), North Carolina, Ohio, Tennessee (except the Memphis Section), Pennsylvania (except the Central Pennsylvania, Erie, Lehigh Valley, Penn-York and Susquehanna Valley Sections), Virginia, West Virginia; and those members with addresses in the states of Indiana (except the counties of Lake and Porter), Kentucky, Ohio, Michigan (except Dickinson County), Tennessee, Virginia and West Virginia who are not assigned to local sections.

The incumbent, Christina Bodurow, is eligible for re-election.

DIRECTOR, DISTRICT IV

Elected by members of local sections having their headquarters in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, South Carolina, Tennessee (except the East Tennessee, Nashville and Northeast Tennessee Sections), Texas, and the Commonwealth of Puerto Rico; and those members with addresses in Arkansas (except the counties of Ashley, Bradley, Calhoun, Columbia, Drew, Hempstead, Lafayette, Miller, Ouachita, and Union), Georgia (except the counties of Catoosa, Chattooga, Dade, Walker, and Whitfield), Louisiana and certain counties in Texas who are not assigned to local sections.

The incumbent, Lisa Houston, is eligible for re-election.

OTHER DISTRICT DIRECTORS

The other District Directors who continue in office beyond 2022 are:

Teri Quinn Gray, District III  
Paul Jagodzinski, District VI

District Directors will be elected this fall for the 2022-2024 term to represent Districts I and V. The slates of nominees are (see **Item IV, B, page 30**):

DISTRICT I  
D. Richard Cobb  
Warren D. Hull, Jr.  
Katherine L. Lee  
Gerard F. Parkin

DISTRICT V  
Lisa M. Balbes  
Kenneth P. Fivizzani  
Joseph A. Heppert  
Martin D. Rudd

**REQUEST FOR SUGGESTIONS FOR 2023 SOCIETY DIRECTORS AND OFFICERS**

Attention: Dr. Amber S. Hinkle  
[nomelect@acs.org](mailto:nomelect@acs.org)

Dear Dr. Hinkle:

I propose the following MEMBERS for consideration by the Committee on Nominations and Elections and have provided rationale for the suggestions below:

**PRESIDENT-ELECT**  
(2023 is an Academic Year)

Name \_\_\_\_\_ Local Section/Division \_\_\_\_\_

Justification/Experience \_\_\_\_\_

**DIRECTOR-AT-LARGE**

Name \_\_\_\_\_ Local Section/Division \_\_\_\_\_

Justification/Experience \_\_\_\_\_

**\*DIRECTOR, DISTRICT II**

Name \_\_\_\_\_ Local Section/Division \_\_\_\_\_

Justification/Experience \_\_\_\_\_

**\*DIRECTOR, DISTRICT IV**

Name \_\_\_\_\_ Local Section/Division \_\_\_\_\_

Justification/Experience \_\_\_\_\_

\_\_\_\_\_  
Suggested by: (Name Optional)

\_\_\_\_\_  
(Local Section or Division Affiliation)

\*See preceding pages for territory

(This form must be received no later than May 15, 2021.)

**BALLOT COUNTS, PREVIOUS ELECTIONS**

The Committee on Nominations and Elections regularly reports in the Council agenda the numerical results of balloting from nominations and elections at the previous meeting and of interim mail balloting. The following tabulations give the numerical results of the balloting at the August 19, 2020 meeting of the Council for election of members of the Council Policy Committee, Committee on Committees, and Committee on Nominations and Elections; and of mail/electronic ballots for election of President-Elect, Directors of District III and VI, and Directors-at-Large (October 23, 2020).

**COUNCIL POLICY COMMITTEE**

Gary D. Anderson	97	*Elizabeth M. Howson	244
Brian B. Brady	146	James M. Landis	158
Mitchell R.M. Bruce	170	*Zaida C. Morales-Martinez	278
James C. Carver	148	*Margaret J. Schooler	237
**Mark D. Frishberg	171	*Jeanette M. Van Emon	201

**COMMITTEE ON COMMITTEES**

Catherine E. Costello	149	Michael D. Mosher	170
Debbie M. Decker	76	*Sarah M. Mullins	227
Harry J. Elston	125	Susan J. Olesik	180
*Martha G. Hollomon	226	*Andrea B. Twiss-Brooks	203
*Diane Krone	213	*Javier Vela	208

**COMMITTEE ON NOMINATIONS AND ELECTIONS**

Thomas R. Beattie	131	Michael J. Kenney	110
Mark A. Benvenuto	153	R. Daniel Libby	144
*Jetty L. Duffy-Matzner	252	Robert A. Pribush	144
*Kevin J. Edgar	162	*Julianne M. D. Smist	239
*Neil D. Jespersen	195	*Linette M. Watkins	294

**PRESIDENT-ELECT**

Mary K. Carroll	5,935
*Angela K. Wilson	9,131

**DIRECTOR, DISTRICT III**

*Teri Quinn Gray	1,334
Lynne P. Greenblatt	693

**DIRECTOR, DISTRICT VI**

	Round 1	Round 2
*Paul W. Jagodzinski	654	919
Janet L. Bryant	587	877
Jeanette M. Van Emon	568	

**DIRECTOR-AT-LARGE**

	Round 1	Round 2	Round 3
*Wayne E. Jones, Jr.	125	143	170
*Carolyn Ribes	124	138	168
Dawn A. Brooks	45	--	
Kristin M. Omberg	61	73	

*No candidate attained a majority in Round 1. Following the procedures for preferential voting approved by the ACS Council, second preference votes were distributed in subsequent rounds. Those marked with an asterisk (\*) were declared elected*

\*Individual Elected

\*\* Elected for a one-year term (2021) to fill vacancy

## REPORT OF THE PRESIDENT

It is my pleasure to serve as 2021 President. Despite the pandemic, which is disrupting our lives at home and at work, ACS has continued to operate and serve our members very effectively. Since my last report to you in August 2020, I have continued to engage our members through various means that did not require in-person meetings. I am glad to report that significant progress has been made with respect to my presidential theme, "Growth, Collaboration, and Advocacy." Particular areas of emphasis include sustainability, collaboration, innovation, entrepreneurship, and international developments.

**Innovation and Entrepreneurship.** Innovation increases our chances to react to changes and discover new opportunities. To promote entrepreneurship, I am collaborating with ACS Membership and Society Services staff, the ACS Division of Small Chemical Businesses, and the Division of Business Development & Management to provide a series of ACS webinars on entrepreneurship training. We held two webinars last year and are planning for three more in 2021. In addition, I am endorsing two symposia at the ACS Spring 2021 Meeting: one on "Industrial/Academic Dialogue" (organized by ACS Division of Colloid & Surface Chemistry) and the other on "Lessons Learned from Starting a Chemical-related Business" (organized by ACS Division of Industrial & Engineering Chemistry). A presidential symposium on innovation, entrepreneurship, and collaborations is being planned for the ACS Fall 2021 Meeting.

**Disciplinary Growth.** In view of the changing times and the grand challenges that we are facing, chemistry can play a major part in contributing new or multidisciplinary approaches needed to achieve solutions. Indeed, many current scientific advances occur at the interface between chemistry and other disciplines. In collaboration with the ACS Committee on Science, I am organizing a presidential symposium in 2021 that highlights the new frontiers and expanded opportunities for chemistry in our changing world. I was also a keynote speaker and a career panelist at the virtual Applied Polymer Technology Extension Consortium Conference in November 2020 and gave a talk at the Beltwide Cotton Conference in January 2021.

**Sustainability.** In collaboration with the ACS Division of Scientific Advancement, I have given several talks on sustainability and will continue to advocate for sustainability. Last fall I co-edited a two-volume ACS book on "Sustainability and Green Polymer Chemistry." In collaboration with the ACS Division of Small Chemical Businesses, I co-organized a symposium during the ACS 2020 Fall Meeting on "Sustainable Green Chemistry: Bench to Market." For the virtual ACS Spring 2021 Meeting, I am working with the ACS Division of Agricultural and Food Chemistry to organize a presidential symposium on "Sustainability: Advances and Applications," with emphasis on food, agriculture, and biobased materials. The ACS Fall 2022 Meeting will include a symposium on sustainability, with a focus on polymer applications.

**International Collaboration.** Because of the travel restrictions related to COVID-19, my participation at international meetings and events has been virtual. Thus, I presented two talks at an ACS on Campus event in Germany in October 2020, the opening talk at the Environmental & Energy Symposium in Brazil in November, and an invited talk at the Chinese American Chemical Society in August. I also participated in periodic dialogues last year with international chapter colleagues, arranged by ACS staff and the International Activities Committee. I plan to continue these activities in 2021 and to promote international collaborations.

**Advocacy and External Interactions.** I was pleased to have represented ACS virtually at the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCHE) Annual Meeting in September, the American Indian Science and Engineering Society (AISES) and the Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Annual Conferences in October, and the Council of Scientific Society Presidents (CSSP) Winter Meeting in December. In the area of Advocacy, I am collaborating with the ACS Younger Chemists Committee (YCC) and ACS staff in the Department of External Affairs & Communications to organize a virtual advocacy workshop for YCC and student leaders in February 2021.



**Meetings and Symposia.** I attended the Rocky Mountain Regional Meeting in November, Leadership Institute Experience in January, and gave invited talks to four local sections and one technical division. I also met with five committees to discuss future plans and received excellent input. In the upcoming ACS National Meeting in April, I have designated the following symposia as presidential or presidential recommended:

1. Sustainability: Advances and Applications (ACS Division of Agricultural & Food Chemistry)
2. Ideas from Mind to Market: International Collaborations for Health, Wellness and Sustainability (ACS Division of Small Chemical Businesses)
3. COVID-19: Lessons Learned (ACS Division of Professional Relations)
4. Industrial-Academic Dialogue (ACS Division of Colloid & Surface Chemistry)
5. Advancing International Chemical Business Innovation and Entrepreneurship: Launch, Leverage, Lead (ACS Division of Small Chemical Businesses)
6. Lessons Learned from Starting a Chemical-Related Business (ACS Division of Industrial & Engineering Chemistry)
7. Macromolecular Science at the Dawn of its Second Century (Multidisciplinary Program Planning Group)
8. Excellence in Graduate Polymer Research (ACS Division of Polymer Chemistry)
9. Chemistry and the Future of Plastics (ACS Committee on Science)
10. Plastics and the Oceans: Chemistry for the Journey Ahead (ACS Committee on Environmental Improvement)

I look forward to collaborating with all of you to grow and strengthen the chemistry enterprise. Your help, advice, and suggestions are much appreciated; please contact me at [h.cheng@acs.org](mailto:h.cheng@acs.org).

H. N. Cheng

## REPORT OF THE PRESIDENT-ELECT

With the COVID world in which we now reside, it has been an unusual and unprecedented start to a year for all of us. Much of our "usual" interactions and business have been, and continue to be in a virtual world. While this has certainly presented all of us with challenges, the upside is that we have had new opportunities to connect and engage.

Throughout the past many months, I have been impressed with the incredible ACS staff and member volunteers – with their resiliency, versatility, response, forward-thinking planning, ingenuity, and support. Activities such as converting our national and regional meetings, Leadership Institute, and Council meetings to virtual platforms, growing global interactions, continuing legislative visits, and substantially increasing virtual engagement for members, to name only a few, have not been small undertakings. I continue to be in awe and very much appreciate all that has been accomplished.

Sections and divisions have utilized our virtual world to co-share activities or meetings with other sections which in the past, had not been pursued. Some sections have been able to reach out to a broader spectrum of their own sections or divisions in new ways. I have been delighted to see the new networks that are being formed, the efforts that are being made to continue to engage and support our members, and encourage sections and divisions to continue to engage in innovative ways across the chemical enterprise, as well as with our communities.

My own horizons have been expanded beyond e-mail and LinkedIn, to engage with members via Twitter and Facebook. I have visited members/leaders/sections/chapters from California and East Tennessee to India and Africa, discussing the future of ACS and the chemical enterprise, as well as learn more about their sections/chapters and locations. I have participated in activities such as the Northeastern Section's superb COVID-19 mitigation strategy presentation, the Greater Houston section's activities for younger chemists, and the Science of Safety Journal Club (ACS Division of Chemical Health and Safety). Nearly weekly, I join the Division of Small Chemical Businesses in their weekly virtual networking events. I visited with either the leadership or membership of the Committees on Minority Affairs, Public Relations and Communications, Senior Chemists, Technician Affairs, and Younger Chemists. I have participated in the ACS Rocky Mountain Regional Meeting as well as the India National Convention of Chemistry Teachers. And, I have begun my role on the ACS Board with a very helpful Board orientation and the ACS Leadership Institute Experience, where I spoke to the younger chemists track on leadership. I thank the many ACS volunteers and staff for all that you have done and are doing.

For the future, I look forward to engaging you as we work towards greater advocacy and public support of chemistry and towards empowering new opportunities for our members and for the chemical enterprise. As an important step, I ask all of you to check the Congressional Chemistry Caucus website at <https://www.acs.org/content/acs/en/policy/memberadvocacy/senate-chemistry-caucus.html> to find out if your legislators are a part of the Congressional Chemistry Caucus. If not, then I encourage you to complete the form at this site to invite them to be a part of this important Caucus for the chemical enterprise.

In closing, I am happy to meet with your sections, divisions, and committees, or leader of your sections, divisions, committees; and attend/participate in virtual events. Feel free to reach out to me at [a.wilson@acs.org](mailto:a.wilson@acs.org).

I wish all of you the very best, and look forward to the time when we can all meet again in person.

Angela K. Wilson

3/2021

## REPORT OF THE IMMEDIATE PAST PRESIDENT

2020 was undoubtedly a very challenging year for everyone, learning virtual communication platforms, improvising new ways to work, observing strict safety practices at all levels and staying focused and productive. While most of my plans as President of the ACS were suspended and many were postponed until 2021, I still managed to keep relatively busy engaged in ACS activities.

At the 2020 ACS Fall Virtual Meeting, I introduced and moderated the Kavli lecture by Nobel laureate Ben Feringa and participated in several other sessions, remotely of course. One of the most important and interesting activities in which I participated was the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)/ACS Joint Board Meeting in which I made remarks and had conversations with their leadership group. Many mutually beneficial ideas came out of that meeting that are currently being implemented in order to strengthen the ties between the two organizations, such as providing ACS membership to NOBCChE members. I also made remarks at the Willard Gibbs Medal Award Virtual Ceremony and had the opportunity to present the award to Zhenan Bao. Perhaps the most interesting and most difficult activity that I performed on behalf of the ACS was conducting press conferences immediately following the Chemistry Nobel Prize in Chemistry announcement on October 7, shared by Jennifer Doudna and Emmanuelle Charpentier for their work with CRISPR/Cas9. While I knew something about the work I had to quickly learn more “on the fly” in order to be able to conduct the press conferences that were scheduled immediately after the award was announced, at 6 am EDT, which corresponded to 4 am for me at MDT! It was interesting and challenging at the same time, but everything proceeded well, and it was estimated that about 20 million people read the press conference news. Right after the press conferences I went back to sleep, since I was up since 3:00 am.

I also presented general remarks at a Committee on Minority Affairs luncheon and at the first LatinXChem 2020 conference, a very interesting experiment all run on Twitter. That conference was a resounding success because it was perfectly suited for the pandemic given the platform utilized, which gave the presenters the ability to use sound and videos as opposed to simple fixed posters, there was a lot of creativity and I predict that the model will be copied by many. As ACS President I sponsored and presented the ACS Presidential Award for the best poster presentation. On the scientific side, but still representing the ACS, I was one of the virtual plenary speakers at the SBQ (Brazilian Chemical Society) annual meeting.

Another important activity was the signing of a Partnership Enterprise Agreement with the German Chemical Society (GDCh) on October 28. During that meeting presentations were made about some of the UN Sustainable Development Goals and both society presidents made remarks. Ideas such as dual membership and speaker exchanges were also presented and discussed and are currently under consideration for future implementation.

For 2021, I have plans to run several activities: 1) a virtual symposium on “Chemists Running for Office” at the virtual spring meeting, 2) a “State of the Art of Perovskite Solar Cells” symposium in the fall meeting, hopefully in person in Atlanta, 3) a “Man vs Machine” activity where Phil Baran will challenge synthetic designs by a computer, and 4) a “Science and Congress” session (date TBD).

Finally, we plan a new activity on November 4-6, 2021, called Lasting Encounters between Aspiring and Distinguished Scientists (LEADS), in which 50-75 selected young chemists and chemical engineers will have the opportunity to interact with and be mentored by very high-level scientists. Several Nobel laureates in chemistry have already confirmed their participation.

Luis Echegoyen

## REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

Fellow Councilors:

I am pleased to offer this first report to Council as Chair of the Board of Directors. I wish to begin by expressing gratitude to my Board colleagues for entrusting me with this responsibility.

Congratulations to those who are new to the Council. The Board relies on all our Council colleagues, especially those who serve on governance committees, for advice on and execution of the ACS Strategic Plan through the Society's many programs and activities that serve our members. With ACS President H.N. Cheng, and on the recommendation of the Committee on Committees, I was pleased to appoint or reappoint many of you to serve as members, associates and consultants to joint Board-Council committees.

A report by my predecessor John Adams on the actions taken by the Board at its December meeting is included elsewhere in the Council agenda. Allow me to focus on some items that will continue to be at the forefront of the Board's discussions this year. The Board is well prepared and committed to address these challenges, and seeks your continued help to shape appropriate solutions.

### **Diversity, Equity, Inclusion and Respect (DEIR)**

Last year at this time, the Board of Directors began to focus on ways to turn the ACS Core Value of Diversity, Inclusion, and Respect into a prioritized action plan. The expectation was that the Board would not develop a plan entirely on its own, but rather would work to promote meaningful collaborations with several governance entities to coordinate the Society's DEIR activities both within ACS and in the broader chemistry enterprise.

Our commitment to this goal has not diminished. Recently, the Board voted to approve changes to the ACS Strategic Plan that included modifying the Core Value "Diversity, Inclusion and Respect" to add 'Equity' (DEIR, that is "Diversity, Equity, Inclusion and Respect"). A new ACS Goal – Embrace and Advance Inclusion in Chemistry – was also approved to specifically address DEIR. Explicit language pertaining to DEIR has been incorporated throughout the document to ensure consistency with the updated Core Value and the new Goal. The revised Strategic Plan is available at [www.acs.org/strategicplan](http://www.acs.org/strategicplan). I invite you to read it, especially Goal 5, and to consider how the Society can highlight the importance of diversity, equity, inclusion, and respect to the profession in our programs, products, services, and leadership.

### **COVID-19: Meeting and working in a virtual world**

We continue to adjust to the realities of living and working in a virtual environment. Like the rest of ACS governance, the Board began meeting virtually last March for its executive sessions, and also gathering occasionally for informal networking and socializing. We met most recently in early January for our annual orientation session to welcome new Board colleagues, and later that same weekend joined the virtual Leadership Institute Experience, where we had the opportunity to meet in breakout sessions with the Society's volunteer leaders. While some of our traditional ways of doing things are less than optimal under the circumstances, adopting virtual or hybrid meeting formats – for both governance committee sessions and technical sessions at national, regional, and specialty meetings – have enhanced operational efficiency and timeliness. In some cases, it allowed greater access by our members. It is inspiring and encouraging seeing how our volunteer leaders have stepped up to turn challenges into opportunities.

I look forward to working with my Board colleagues, fellow Councilors and the ACS staff in the coming year – certainly one filled with challenges and, more importantly, great opportunities.

Paul W. Jagodzinski

**BOARD CHAIR'S REPORT  
OF THE EXECUTIVE SESSION – Part 1  
ACTIONS AND DISCUSSION ITEMS  
August 13, 2020**

The ACS Board of Directors conducted the first half of a two-part Executive Session on August 13, 2020, and dealt with a full agenda of key issues relating to Society operations, publishing, and compensation. The second half is scheduled for August 21, 2020, when among other business, the Board will focus on ways to turn the ACS Core Value of Diversity, Inclusion, and Respect, one of the most important strategic issues facing the Society, into a prioritized action plan for the coming years. A summary of the items considered and the actions taken at the August 13 session is as follows.

**The Chief Executive Officer's Report**

The Board received an extensive report from the CEO on issues relating to Safety and Diversity, Inclusion, and Respect as core values of the Society, as well as on the continued response of the Society to the COVID-19 pandemic, ACS membership, ACS financial performance, and upcoming events and activities.

**The Board's Committees**

The Board received and discussed reports from its committees on Professional and Member Relations, Executive Compensation, and the ACS Governing Board for Publishing, which included the activities, opportunities, and challenges of the Chemical Abstracts Service (CAS) and the ACS Publications Division. In particular,

- On the recommendation of the Committee on Professional and Member Relations, the Board voted to approve the Society's nominees for the 2021 National Science Board Public Service Award and the 2021 Perkin Medal. The Board also approved changes in the selection criteria for the Priestley Medal, the Charles Lathrop Parsons Award, and the Award for Volunteer Service to the ACS, as well as revisions to the National Awards Code of Conduct Confirmation statement.
- The Board approved an amendment to the Board Regulations on the duties of the Committee on Professional and Member Relations to include "monitoring, assessing, and facilitating the Society's progress on Diversity, Inclusion, and Respect."
- On recommendations of the Joint Board-Council Committee on Publications, the Board voted to approve the appointment of an Editor-in-Chief for two ACS journals. The appointments will be announced in C&EN once the individuals have been notified and appropriate arrangements for their service have been made.
- The Board received a briefing and approved recommendations from its Committee on Executive Compensation stemming from a recent executive salary benchmarking study. The compensation of the Society's executive staff continues to be reviewed regularly by the Board.

**Other Society Business**

The Board heard reports from the three members of the Presidential Succession on their current activities as well as those planned for 2020-21, particularly the presidential symposia and endorsed symposia for Fall 2020 Virtual National Meeting.

**BOARD CHAIR'S REPORT  
OF THE EXECUTIVE SESSION – Part 2  
ACTIONS AND DISCUSSION ITEMS  
August 21, 2020**

The ACS Board of Directors conducted the second half of a two-part Executive Session on August 21, 2020, and dealt with a full agenda of key issues relating to Society operations. (The first half of the session took place August 13, 2020.) A summary of the items considered and the actions taken is as follows.

**Committees Reporting to the Board**

The Board received and discussed reports from the committees on Budget and Finance, Pensions and Investments, and the Joint Board-Council Committee on Publications. In particular,

- On the recommendation of the Society Committee on Budget and Finance, the Board voted to approve or reauthorize two program funding requests.
- On the recommendation of the Joint Board-Council Committee on Publications, the Board voted to approve the reappointments of two editors-in-chief for ACS journals. The names of these individuals will be announced once they have been notified and practical arrangements for their service to ACS have been finalized.

**Other Society Business**

- The Board held a strategic discussion on ways to turn the ACS Core Value of Diversity, Inclusion, and Respect, one of the most important strategic issues facing the Society today, into a prioritized action plan for the coming years. The development of such a plan would be undertaken in collaboration with the Advisory Board on Diversity, Inclusion and Respect and would promote the coordination of committee activities so as to emphasize the urgency of “moving the needle” both within ACS and in the broader chemistry enterprise.
- The Board received an update on the development of a re-envisioned Professional and Leadership Development Portfolio. The portfolio will position ACS to cultivate strategic partnerships with colleges and universities, corporations, and government agencies. There will be a continued focus on members/potential members as well, one adhering to the goal of developing Highly Effective Professionals, which is the center point of the project framework developed by the NextGen Task Force on Leadership Development in December 2019.
- The Board received an initial debrief, led by the Chief Executive Officer, of the first-ever virtual ACS National Meeting and Exposition. There will be a complete review and assessment of the event from multiple perspectives in the weeks to come.
- The debrief noted above provided a lead-in to and context for a status update from the Task Force on the Future of Meetings. This task force has been charged with performing a “deep dive” on the current portfolio of ACS meetings and conferences, identifying current offerings, evaluating governance and staff support structures, revenue streams, financial targets, and business models, and recommending actions that will ensure the sustainability and future relevance of that portfolio.
- The Board of Directors voted to confirm the amendments to Bylaw XI, per the Petition to Clarify Amendments to the Standing Rules approved by Council on August 19.
- The Board of Directors voted to confirm the disbanding of the Joint Board-Council Committee on Chemical Abstracts Service in accordance with Council action on August 19.
- The Board of Directors voted to authorize the formation of the Israel International Chemical Sciences Chapter in accordance with Council action on August 19.
- The Board offered a resolution in memory of Nina I. McClelland, a member of the ACS Board of Directors (1996-2004) who served as Chair of the Board (2001-2003).

**BOARD CHAIR'S REPORT  
OF EXECUTIVE SESSION  
ACTIONS AND DISCUSSION ITEMS  
December 12-13, 2020**

The ACS Board of Directors met virtually in Executive Session December 12-13, during which, in carrying out its responsibilities as defined in the Society's governing documents, the Board considered several key strategic issues leading to the following actions.

**Board Elections**

The Board held elections for the chair of the Board for 2021 and for members of its Executive Committee. As a result, Paul W. Jagodzinski was selected to serve as Board chair for 2021; and Dorothy J. Phillips, Wayne E. Jones, Jr., and Ingrid Montes were elected to fill terms on the Executive Committee. Dr. Phillips will fill a two-year term, Dr. Montes will fill a one-year term, and Dr. Jones will serve the remaining year of Dr. Jagodzinski's two-year term on the committee.

**The Chief Executive Officer's Report**

The Board received an extensive report from the CEO on issues relating to Safety, and Diversity, Inclusion, and Respect as core values of the Society, as well as on the COVID-19 pandemic and ACS response, Membership, financial performance, and upcoming events and activities. His direct reports also engaged in discussions with the Board concerning the activities, opportunities, and challenges of the ACS Publications Division and the Chemical Abstracts Service (CAS).

The Board approved a 2021 development goal of \$3.85 million, with Project SEED, ACS Scholars, and the ACS Bridge Program being identified as priorities.

**The Board's Committees and Task Forces**

The Board received and discussed reports from several of its committees: Strategic Planning, the Governing Board for Publishing, Executive Compensation, Professional and Member Relations, Budget and Finance, the Highly Effective Professionals Team, and the ACS Petroleum Research Fund. The highlights of those reports were as follows.

- On the recommendation of the Committee on Strategic Planning, the Board voted to approve changes to the *ACS Strategic Plan*. These changes include updating the Core Value "Diversity, Inclusion and Respect" to include 'Equity' (DEIR, i.e. "Diversity, Equity, Inclusion and Respect"); to add an ACS Goal – Embrace and Advance Inclusion in Chemistry – to specifically address DEIR; and to update and explicitly add language pertaining to DEIR throughout the document so as to assure consistency with the proposed updated Core Value and the new Goal. The revised plan will be posted at [www.acs.org/strategicplan](http://www.acs.org/strategicplan)
- On the recommendation of the Committee on Executive Compensation, the Board voted to approve a variety of compensation-related objectives. The compensation of the Society's executive staff continues to be reviewed regularly by the Board in fulfillment of its fiduciary responsibilities.
- On the recommendation of the Committee on Professional and Member Relations, the Board considered other options for recognizing the 2020 and 2021 recipients of ACS national awards. The event had been scheduled as an in-person event at the now terminated ACS Spring 2021 meeting in San Antonio. The Board also voted to hold a virtual DEIR workshop in Q2 2021 for members of the Board, Executive Leadership Team, and the Diversity, Equity, Inclusion and Respect Advisory Board, in an effort to ensure continued alignment and enhanced collaboration with respect to the ACS Core Value of Diversity, Equity, Inclusion and Respect.

- On the recommendation of the Committee on Budget and Finance, the Board voted to approve a 2021 Proposed Operating Budget with a Net from Operations of \$31.1 million and to approve the 2021 Proposed Capital Budget of \$41.8 million. The Board also approved amendments to the Board Regulations on Finance that accommodate the dollar threshold associated with a refined process for consideration of new program funding requests. These changes assure consistency between the process and Board financial approval limits and recognize that the finances of the Society have grown significantly since approval levels were last set.
- On the recommendation of the Committee on the ACS Petroleum Research Fund, the Board approved a modification of the eligibility requirement for the Undergraduate New Investigator Grant program. Eligibility to apply will be extended from within the first three years to within the first five years of the principal investigator's first academic appointment as a regular faculty member.
- On the recommendation of the Highly Effective Professionals Team (the working group charged with establishing a Society-wide professional and leadership development portfolio), the Board approved a framework for a comprehensive and authoritative learning portal that supports professional development growth for chemists throughout their education and careers.
- The Board adopted resolutions acknowledging departing Board members Bonnie A. Charpentier (Immediate Past President) and Barbara A. Sawrey (Director-at-Large) for their many contributions to the Board and to the Society and acknowledging John E. Adams for his service as Chair of the Board for the past three years.

#### **Other Society Business**

By consent, the Board voted to approve the minutes of the August 13 and 21 Executive Sessions; approved the 2021-2022 Biennial Public Policies Priorities Statement; and approved the schedule and location of the Board of Directors meetings in 2021.

As is customary, the Board received reports from the Presidential Succession on their continuing priorities and recent activities as they relate to those of the Board. Due to the negative impacts of the COVID-19 pandemic, many programs, travel, and other activities during 2020 were cancelled or conducted virtually, curtailed, or postponed. Plans and arrangements for meetings and activities in 2021 were also announced.

#### **New Board Members and Board Orientation**

Two new Board members for 2021 (Angela K. Wilson, President-Elect, and Carolyn Ribes, Director-at-Large) were welcomed as observers at the Board's committee meetings December 10-11 and the Executive Session December 12-13.

As part of its expanded onboarding process for new and continuing members of the Board, a discussion took place at the Executive Committee meeting held December 11 with current Board members offering for the benefit of the 2021 Board members reflections on two related questions: "What do I know now that I wish I had known when I began my time on the Board?" and "What have been the biggest surprises associated with Board service?".

The Board voted to conduct its annual Orientation Session virtually in January 2021.

John E. Adams, 2020 Chair



## REPORT OF THE EXECUTIVE DIRECTOR/CHIEF EXECUTIVE OFFICER

Needless to say, 2020 was a year like no other. After starting in an ordinary fashion, the specter of COVID-19 was evident by late February. The ensuing weeks saw rapid, and continual, reassessment of the SARS-CoV-2 threat. Actions that seemed excessive one week, appeared to be insufficient by the next. Every ACS activity needed to be reconsidered, most being converted to virtual formats. The agility of both ACS members and staff were tested by these challenges. Both 2020 National Meetings were terminated, with the Fall meeting replaced by a virtual meeting. The 2021 Spring Meeting was also terminated and will be replaced by a virtual meeting. In early March 2020, ACS staff were given an option of working remotely. By mid-March, all ACS staff were required to work remotely. Outstanding support from our IT team allowed us to effect this transition quickly and smoothly.

In late May, the shocking and tragic killing of George Floyd led to the second major challenge of 2020. Like so many other organizations, ACS deeply reflected on issues of racism and social justice, within our Society and across the chemistry enterprise. During the second half of the year, listening sessions, training courses were conducted for staff and volunteers; workstreams and action plans were developed. Our five Diversity, Equity, Inclusion, and Respect (DEIR) workstreams comprise: 1) Increasing Awareness & Knowledge; 2) Building a Supportive Environment/Culture; 3) Diversifying ACS Governance/Volunteer Leaders; 4) Advancing DEIR in ACS Membership and Beyond; and 5) Advancing DEIR in the Chemistry Enterprise. More workstreams may be added. This work continues apace. Very significantly, at the recommendation of the Strategic Planning Committee, the ACS Board of Directors expanded our Core Value to Diversity, Equity, Inclusion and Respect, and added our fifth Goal: 'Embrace and Advance Inclusion in Chemistry'. Increased emphasis on DEIR has been included throughout the ACS Strategic Plan.

ACS Membership for yearend 2020 stood at over 155,000 members. This growth was particularly spurred by the launch of a new Community Membership market test which provides the chemistry enterprise with a novel way to affiliate with ACS. ACS international membership has continued to be an additional bright spot with 25% of members presently residing outside the U.S.

For our national meetings, the pandemic forced a new paradigm for meeting planning. Meeting programs were re-envisioned in 2020 to provide opportunities for chemists, researchers and the global community to connect and share research. Though the Spring 2020 National Meeting was terminated, more than 11,700 submissions from that planned meeting were shared on the SciMeetings platform, in partnership with ACS Publications. The Fall 2020 virtual meeting and expo was successfully produced following an intensive 10 weeks of preparation after it was determined that in-person activities would not take place. The meeting attracted just over 6,500 registrants with 70 exhibitors and sponsors combined. More than 4,100 presentations were provided for on-demand access during the meeting.

To support our ACS members in the midst of the COVID-19 pandemic, several ACS programs were launched or expanded. ACS provided access to the following highlighted resources. LinkedIn Learning is an online library with over 16,000 courses on a wide portfolio of topics. Access was granted to all ACS members. In partnership with our provider INOVA, members in need were provided no cost access to important assistance programs including counseling, financial guidance, and legal assistance. Members impacted by the pandemic in the broadest sense (employment changes, family care responsibilities, health challenges) received a dues waiver for a year of continued ACS dues at renewal. In response to the National Meeting cancellations, we enabled virtual career consultations and Virtual Career Days via Zoom.

The ACS Green Chemistry Institute held its 24<sup>th</sup> Annual Green Chemistry & Engineering (GC&E) Conference, as the first all-virtual meeting hosted by ACS due to the COVID-19 pandemic. GC&E Conference consisted of 350 scientific presentations using a combination of live and pre-recorded content.

The combination of a virtual platform and free registration opened up the Conference to a large, global audience of nearly 5,000 people representing 99 countries—roughly a 10-fold increase in attendance from in-person GC&E conferences.

The ACS Petroleum Research Fund (PRF) awarded 185 grants for fundamental research in chemistry, engineering, and geology, providing a total of \$18.910 million in research funding. 2019-2020 represented the 65<sup>th</sup> anniversary of the first PRF grant awards. As of the end of 2020, over \$700 million had been awarded in the program since its inception. The planned ACS Presidential Symposium was held virtually in conjunction with the Fall 2020 National ACS Meeting, and a PRF retrospective was presented at the AAPG 2020 Annual Meeting in September.

Confronted with the pandemic, our Education team needed to adapt their flagship programs to the new reality. Since in-person research experiences could not be offered, 291 Project SEED (Summer Experiences for the Economically Disadvantaged) students participated in a four-week virtual summer camp. Students learned about careers in chemistry, lab basics, and college preparation via webinars, independent assignments, and small group discussions. Student participants and undergraduate/graduate student cabin leaders received stipends.

The U.S. National Chemistry Olympiad was held online without the laboratory component. From the nearly 1,000 high school students who competed in the national exam, 20 were selected for a 10-day virtual study camp. Four students were selected for Team USA who performed strongly at the (virtual) International Chemistry Olympiad by winning four gold medals.

And in 2020, the ACS Scholars Program celebrated 25 years of providing renewable scholarships to over 3,300 underrepresented students majoring in chemistry-related disciplines. To date, over 445 alumni have received a PhD, MD/PhD, or PharmD, with many more receiving a variety of advanced degrees.

In the midst of the pandemic, the American Association of Chemistry Teachers (AACT) website, teachchemistry.org, received over 1.6M visits during 2020. For the 2020–2021 school year, over 259 partnerships were initiated through the Science Coaches program. During the rapid pivot to remote instruction, AACT promoted its unlocked resources and provided additional access to select resources. AACT also hosted 36 webinars and virtual symposia. AACT membership grew to 8,045 at yearend, a 20% increase since 2019.

The Office of the Secretary and General Counsel (OSGC) was highly committed to responding to the two major 2020 challenges: the pandemic and DEIR.

OSGC transitioned multiple in-person meetings into virtual formats, enabling all committees to meet virtually to ensure their business was conducted without interruption or delay. The Council Policy Committee met several times to enact new policies to govern a virtual Council, and met once *ad interim* for Council. The Fall 2020 Council meeting was held virtually for the first time with more than 450 participants – Councilors, Committee Chairs, ACS Board Members, staff, and attendees. Councilors were able to conduct their business without any limitations on their ability to vote or debate issues. Councilors were able to listen to and view presentations, vote, and speak on agenda topics. The preparation for this virtual Council included a rehearsal meeting with all the Officers and Committee Chairs that were scheduled to give a report, as well as two mock meetings whereby every Councilor was invited for training.

In 2020, OSGC also took the lead in coordinating the workstream seeking to diversify volunteers/-governance. They arranged foundational bias training for the Board and several key committees and have begun actions that will strengthen diversity within our committee and elections processes. They created and distributed, internally to staff and externally to members, a 2021 ACS Diversity calendar. OSGC facilitated

workshops and panel discussions focused on diversity and inclusion with multiple partner societies comprised of underrepresented minorities in the sciences. Also in 2020, the ACS Speaker Series for staff focused on the ACS Core Value of Diversity, Inclusion, and Respect. The series started with guest speaker Risha Grant - award-winning Diversity & Inclusion consultant and author who presented “Permission Granted to Get Rid of Your Bias Synapse (BS) and Build an Inclusive Culture”.

HR had a very busy year. 2020 was the pilot year for PM2020, a new approach assessment and performance management of our staff. PM2020 is based on quarterly oral and written evaluations. About 20% of ACS staff participated in the pilot. Based on the positive reception, PM2020 will be extended to all staff during 2021. HR also assisted with the transitioning of the ACS workforce to remote work, launched UltiPro for ACSI staff (approximately 150 staff are located outside of the U.S.) providing consistent employment experience across the enterprise, and coordinated the Executive Leadership Team Listening Sessions in response to the Black Lives Matter movement.

To inform our ACS strategy update, the Strategic Planning Committee developed seven Change Drivers. Each is an indicator of fundamental driving forces where important change is, or could be, happening in the chemical enterprise that will impact strategic planning over the next 3 to 5 years. The *ACS Strategic Plan* was approved by the ACS Board of Directors at their December 2020 meeting and launched on the web (<http://strategy.acs.org>) in January 2021. It provides the basis for all of the Society’s work in support of the Vision, Mission, and Core Values. The strategic plan is the result of broad engagement with governance and staff members, consolidated by the Strategic Planning Committee, and approved by the Board of Directors. Three significant changes are reflected in the new plan:

- Updated the core value of Diversity, Inclusion, and Respect to include Equity: Diversity, Equity, Inclusion, and Respect (DEIR);
- Added a fifth goal to specifically address DEIR: Embrace and Advance Inclusion in Chemistry; and,
- Updated and explicitly added language pertaining to DEIR through the plan.

Our Finance team operated through its first year of the simplified budgeting and forecasting process. The ‘P1-P2’ forecasting process was replaced with a single estimate after month 7. This significantly reduced the forecasting efforts. Moreover, the Budget and Finance Committee combined Society Program Portfolio Management System with the New Program Funding Request, thereby further streamlining our financial planning.

ACS achieved LEED Platinum Re-certification for the ACS Hach and Othmer Buildings in the Leadership in Energy and Environmental Design, Existing Building: Operations and Maintenance Version 4 program, sponsored by the U.S. Green Building Council (USGBC). The USGBC is the nation’s leading non-profit authority for green buildings and is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. By achieving this certification, ACS has demonstrated its unwavering commitment to the environment that supports the sustainability goal set forth by the ACS Board of Directors.

The financial uncertainty of the pandemic challenged the Development team. Particularly in the first half of 2020, giving lagged vs. prior years. Thanks to the team’s hard work, the year closed strongly, crossing the \$3M mark in December and ending the year at nearly \$3.3M. Amid the national conversation about racial inequities, ACS donors reaffirmed their commitment to diversifying the chemical sciences while fostering excellence in science education with their support of educational programs like Project SEED, ACS Scholars, and the ACS Bridge Program.

The value of our IT infrastructure investments during the past decade were clearly demonstrated during 2020. For example, the VPN infrastructure permitted the entire ACS staff to pivot to remote work within a week. Over the past several years, we outfitted most of the organization in DC with laptops, a move that

also facilitate remote work. Three years ago, we initiated Enterprise Technology Shared Services, including a single service desk for all ACS staff, improving a high level of support to remote workers. Finally, our continuing investment in IT security gives us a stronger control environment, as our staff works remotely, around the world.

CAS had another record year for revenue and net from operations. 2020 was the fifth consecutive year of outstanding growth and innovation for CAS. CAS delivered high-quality enhancements to SciFinder<sup>n</sup> to continually add value for global innovators, including export improvements, seamless CAS-Medline deduplication, Electronic Lab Notebook (ELN) integrations and visualizations. Key enhancements to retrosynthesis in SciFinder<sup>n</sup> included custom scoring and stereoselectivity display. Extensive content and capabilities were added to STNext, including the addition of claims, numerical property searching, element count for super atoms, asset management updates and patent reporting enhancements. Our continued investment is helping customers realize the additional value in STNext and resulted in significant migration to this platform in 2020.

In response to the spreading pandemic, CAS initiated outreach to organizations on the front lines of COVID-19 research, establishing partnerships and providing access to its scientific information solutions and other resources. CAS quickly organized actionable data focused on vaccine and therapeutic initiatives and publicly shared this information through these relationships and the COVID-19 hub on the CAS website. Our scientists published several papers in ACS Publications, one of which was downloaded over 300,000 times, setting a record for access to an ACS paper in such a short period of time. In addition, datasets, blogs, webinars, and videos explaining how the virus and associated vaccines work in the body have continued to be leveraged by those seeking to stay informed on the science of the virus.

ACS Publications also had a record year for revenue and net from operations. ACS Publications strengthened its reputation as the most trusted, most cited, most read publisher of science in chemistry and related fields. Despite the challenges associated with the COVID-19 pandemic, 2020 was a very successful year for ACS Publications. This success derived from the collective and collaborative efforts of all of us. Last year, ACS journals received a record number of submissions, and published more than 62,000 articles. They represented a remarkable increase of nearly 9%, despite lab closures and restrictions around the world. Usage of ACS publications continues to climb, with an increase of 10% in downloads to 172 million. Nearly one-third of our journals achieving their highest ever Impact Factor.

Supported by the ACS Board of Directors, and the Governing Board for Publishing, 2020 was also a pivotal year for our open access publishing initiatives. We are accelerating ACS representation in the Open Access segment by leveraging the successes of *ACS Central Science* and *ACS Omega*, the latter growing to 3.5K articles during 2020. The past year also saw the successful launch of *JACS Au* --this latest being fully open access reflection of our flagship journal. We will build on our Au (GOLD) brand, through the introduction of nine open access ACS Au (GOLD) discipline-specific journals. These new journals will expand our ability to meet the needs of our authors who are facing publication mandates from their funders and institutions.

Despite the manifold challenges of the pandemic, the Society had a very strong year financially. Thanks to strong performance by CAS and ACS Publications, plus prudent cost control across all units. All five of our financial guidelines were met or exceeded. No ACS staff members have been laid-off or furloughed as a consequence of the pandemic.

Thomas M. Connelly, Jr.

## REPORT OF THE GOVERNING BOARD FOR PUBLISHING TO ACS COUNCIL

The following is a brief summary of the July and November 2020 meetings of the Governing Board for Publishing.

### CAS

CAS President Manuel Guzman provided an executive summary of CAS, as well as financial and operating highlights for September YTD, the 2020 forecast, and a performance update on the Strategic Plan for Growth and related key initiatives. This included the migration of customers to SciFinder<sup>n</sup> and STNext continuing at a favorable pace with solid price realization. Formulations and Predictive Retrosynthesis, which were launched in Q4 2019, are generating tangible feedback that is guiding their product development roadmap. The new PatSnap partnership is off to a good start and 2020 deliverables remain on track. The Content Operation transformation project is progressing through its critical design and blueprinting phase with a targeted year-end completion. An overview of 2021 pricing was provided with a recommendation to maintain the base price increase ranges in 2021.

A new value for CAS's Strategic Accounts was also highlighted which is called, "Search Guard." This new value provides a "safety net" for strategic customers by giving them immediate access to CAS search analysts. CAS has received overwhelming positive feedback from customers thus far.

Lastly, Manny discussed the implications of COVID-19 and how CAS quickly organized actionable data focused on vaccine and therapeutic initiatives, while publicly sharing this information with organizations on the front lines of research as well as on the [COVID-19 hub](#) on the CAS website.

### ACS Publications

Dr. James Milne, Division President for ACS Publications, presented a high-level overview of developments through 2020, recognizing this is far from a normal year. He commended staff and editors for performing exceptionally well under what can be quite challenging home-office conditions. The review covered many existing business activities, along with new and significant developments, such as the imminent change of Editorship for the *Journal of the American Chemical Society* (JACS), and the announcement of the launch of *JACS Au* and the suite of nine pure gold 'ACS Au' titles. Engagement with and adoption of Open Access policy changes, both internal and external were detailed.

Initial indicators for 2021 journal sales renewals were outlined and discussed. The report detailed tailored strategies and approaches being undertaken to secure early renewals, noting there will be many very challenging negotiations yet to come. Overall, the division remains confident but not complacent on matching 2020 institutional revenue next year.

Key performance indicators for the journals continue to show a highly positive trajectory, including submissions, published articles, and usage. Dr. Milne explained the importance of continuously improving the influence of ACS journals, through the publication of the highest quality content, at scale, and optimizing accessibility and discoverability of content. This influence drives scientific advancement, societal benefits (clearly aligned to the ACS vision), improves ACS's reputation, and increases the value proposition for the journals being published. This approach also translates to C&EN, which too has had a high-performing year. Overall, multiple strategies remain important to ACS Publications.

Thomas Connelly, Jr., Chair

**DRAFT**  
**MINUTES**  
**COUNCIL POLICY COMMITTEE**  
**AMERICAN CHEMICAL SOCIETY**  
Virtual  
August 18, 2020

The Council Policy Committee (CPC) of the American Chemical Society met virtually on August 18, 2020, beginning at 1:00 p.m. ET. CPC Vice-Chair Martin Rudd presided. Other voting members present were: Dee Ann Casteel, Bonnie A. Charpentier, H.N. Cheng, Thomas M. Connelly, Jr., Ella L. Davis, Lissa Dulany, Mark D. Frishberg, Anne Gaffney, Lydia E.M. Hines, Will E. Lynch, Zaida C. Morales-Martinez, Sally B. Peters, Margaret J. Schooler, and Linette M. Watkins. Flint H. Lewis served as Secretary.

The following chairs of Society, Elected, and Standing Committees of the Council, all non-voting members of CPC, attended all or portions of the meeting: Eric Bruton, Rick Ewing, Donna G. Friedman, William Greenlee, Amber S. Hinkle, Brian M. Mathes, Jennifer B. Nielson, Carolyn Ribes, W. Matthew Reichert, James M. Takacs, and John E. Adams. Several Councilors, ACS staff, and others were present as observers at various times during the meeting.

Open Forum

Time was allotted for Councilors to attend and ask questions or pose comments to CPC. No Councilors participated in the Open Forum.

Approval of Minutes

1. VOTED that the Council Policy Committee approve the minutes of these meetings: the Council Policy Committee meeting on March 24, 2020; the Council Policy Committee meeting on April 7, 2020, where they acted ad interim for Council; the special meeting of the Council on April 20, 2020; and the Council Policy Committee meeting on June 25, 2020.

Reports of Committee Chairs and Society Officers

2. VOTED to approve the officer and committee reports that were reviewed by a subgroup of CPC on Monday, August 17, 2020.

The subgroup of CPC met to review the oral reports and accompanying graphics by the President-Elect, Immediate Past President, Board Chair, Chief Executive Officer, and by the chairs of the Elected Committees: the Committees on Committees and on Nominations and Elections; the Society Committees: the Committees on Budget and Finance and on Education; Standing Committees: Local Section Activities, Economic and Professional Affairs, Membership Affairs, Meetings and Expositions, Divisional Activities, and Constitution and Bylaws; and the Joint Board-Council Committees on Chemical Safety, Environmental Improvement, Ethics, International Activities, Minority Affairs, Professional Training, Project SEED, Public Relations and Communications, Science, Senior Chemists, Women Chemists, and on Younger Chemists.

By individual actions, CPC concurred in certain recommendations to be made to Council by the committees. These appear below and as appropriate, in the record of the August 19, 2020 Council meeting. All references in these minutes to Council actions and reports relate to the August 19, 2020 meeting of the Council unless otherwise noted.

3. VOTED that the Council Policy Committee concurs with the Committee on Committees that the Committee on Chemical Abstracts Service, subject to concurrence by the Board of Directors, be disbanded.
4. VOTED that the Council Policy Committee concurs with the Committee on International Activities (IAC's) request to approve the establishment of the International Chemical Sciences Chapter in Israel, subject to concurrence by the ACS Board of Directors.

#### Report of the Council Policy Committee Vice-Chair

Dr. Rudd reported that the volunteer group of CPC members reviewed the oral reports and accompanying slides for the Council meeting. He thanked the group for meeting to review the reports and for their dedication and timeliness in editing the reports. He noted that this model of reviewing reports may be helpful and more efficient in the future instead of the reports being reviewed by the four subgroups that normally meet during in-person meetings. Dr. Rudd said that several CPC subcommittees and working groups met and they will report on their activities.

#### Reports of Subcommittees and Task Forces

##### A. Report of the Subcommittee on Petitions, Constitution and Bylaws

Subcommittee chair Lissa Dulany reported that the subcommittee met to determine recommendations for concurrence on the three votes before Council. The Subcommittee recommended that CPC concur on the recommendation on the dissolution of the Committee on Chemical Abstracts Service and on the recommendation to charter a new International Chemical Sciences Chapter, both pending approval by the Board. The subcommittee also recommended that CPC concur with the Committee on Committees' Petition to Clarify Amendments to the Standing Rules.

5. VOTED that the Council Policy Committee concurs with the Committee on Committees that the Petition to Clarify Amendments to the Standing Rules be approved.

##### B. Report of the Long-Range Planning Subcommittee

Subcommittee chair Linette Watkins reported that the subcommittee met virtually on March 23 to discuss orientation and mentoring opportunities for new Councilors and Alternate Councilors as a result of the 2020 Philadelphia national meeting cancellation. She noted that the subcommittee decided to release the New Councilor Resource Book online, sent a letter to the newly-elected leaders on how to complete the online committee preference form, and hosted a webinar on "Elected Leadership & Getting Involved with ACS Committees" on April 14. The subcommittee decided to table plans for the 2020 strategy café and will work with the Board Committee on Strategic Planning to develop a virtual session for 2021 in alignment with the new strategic plan.

##### C. Report of the CPC Working Group on Future Council Representation

The Working Group chair, Martin Rudd, reported that the group is using the guidance offered from the fall 2019 San Diego meeting where Councilors overwhelmingly suggested in a straw poll that all ACS members should have representation on ACS's Council. The group discussed updates with DAC and IAC leadership regarding their committees' recent opportunities to examine models of representation for all ACS members. More defined recommendations of models for representation will be coming from IAC, LSAC and DAC.

### Schedule of Business Sessions

The following schedule of activities at the spring 2021 national meeting is the result of previous authorization by the Council Policy Committee:

Board of Directors:	Sunday, March 21
Council Policy Committee:	Tuesday, March 23
Council:	Wednesday, March 24

Society Committees: executive and open sessions to be set by each body, provided that at least one executive session be scheduled prior to the Board of Directors meeting, and at least one open session be scheduled prior to the Council meeting if the committee agenda contains any issue(s) to be voted upon at the Council meeting.

Standing Committees of the Council: executive and open sessions to be set by each committee, with the concurrence of the Committee on Committees, provided that at least one executive session be scheduled no later than Tuesday morning, and at least one open session be scheduled prior to the Council meeting if the committee agenda contains any issue(s) to be voted upon at the Council meeting.

### Council Agenda

6. VOTED that the Council Policy Committee approve the Council Agenda for the August 19, 2020 meeting of the Council.

### New Business

Vice Chair Martin Rudd raised the issue of how CPC can best serve Councilors as ACS Governance meetings continue to be held virtually. He asked for a small Working Group to look at options for future in-person and virtual Council meetings and the structure of virtual Council meetings, should they be a regular option going forward. CPC supported the creation of this working group without objection, and the following CPC members volunteered to serve on it: Martin Rudd, Eric Bruton, Lissa Dulany, Jennifer Nielson, and Will Lynch.

The Chair of the Membership Affairs Committee, Brian Mathes, then gave an update on the Membership 2.0 initiative, reporting that the transformation to the new membership model continues on multiple fronts. He presented the committee's analysis on pricing and value of various packages, and explained the direction of the committee in forming the dues categories. The committee will be finalizing the Schedule of Membership, and bring it to Council for action at the Spring 2021 meeting.

Dr. Rudd recognized those members who have reached their statutory limit on the Council Policy Committee and thanked them for their dedication and service to the committee.

There being no additional new business, the meeting was adjourned at 1:36 p.m. ET.

Flint H. Lewis  
Secretary



**DRAFT**  
**MINUTES**  
**COUNCIL POLICY COMMITTEE**  
**AMERICAN CHEMICAL SOCIETY**  
Virtual Meeting  
October 30, 2020

The Council Policy Committee (CPC) of the American Chemical Society met virtually on October 30, 2020, beginning at 3:00 p.m. ET. Vice Chair Martin D. Rudd presided. Other voting members present were: Dee Ann Casteel, Thomas M. Connelly, Jr., Ella L. Davis, Lissa Dulany, Lydia E.M. Hines, Will E. Lynch, Zaida C. Morales-Martinez, Sally B. Peters, and Linette M. Watkins. Flint H. Lewis served as Secretary.

The following chairs of Society, Elected, and Standing Committees of the Council, all non-voting members of CPC, attended all or portions of the meeting: Eric Bruton, Rick Ewing, Donna G. Friedman, William J. Greenlee, Amber S. Hinkle, Brian M. Mathes, W. Matthew Reichert, Carolyn Ribes, and James M. Takacs, as well as Chair of the ACS Board of Directors John E. Adams. Members of CPC beginning their terms in 2021 and ACS staff were present as observers at various times during the meeting.

Spring 2021 Meeting of Council

CPC Vice Chair Martin Rudd asked for discussion regarding the option of virtual Council and Council Policy Committee meetings during the spring of 2021. These governance meetings would be decoupled from the ACS Spring 2021 meeting scheduled for San Antonio, Texas.

1. VOTED to approve that the meeting of Council for the spring of 2021 be conducted through virtual means.
2. VOTED to approve that the meeting of the Council Policy Committee for the spring of 2021 be conducted through virtual means.

Rules for a Virtual Council Meeting

Members reviewed and discussed the Special Rules for Conducting Virtual ACS Council Meetings. These same rules were previously adopted for the fall 2020 virtual meeting of Council.

3. VOTED to approve Special Rules for Conducting Virtual ACS Council Meetings (attached)

Dates for the Spring 2021 Council and CPC Meetings

Vice Chair Rudd raised the issue of keeping Council at its regularly scheduled date, but moving CPC back by one day to allow more time to review and prepare reports for Council.

4. VOTED to approve that the meeting of Council for the spring of 2021 be held on Wednesday, March 24 at 11:00 a.m. ET.
5. VOTED to approve that the meeting of the Council Policy Committee for the spring of 2021 be held on Monday, March 22 at 11:00 a.m. ET.

Open Meeting Rules for Committees

Vice Chair Rudd noted that pursuant to the Standing Rule III, each Society and Standing Committee, and those committees with action before Council, are required to hold an Open meeting of their Committee. CPC can suspend this rule, ensuring that no committee is acting contrary to the Standing Rules should they choose not to, or are unable, to hold an open meeting. However, each committee could hold an Open meeting if so desired.

6. VOTED to approve suspending the requirement in Standing Rule III, Sec. 3 (g) that certain Committees must hold an Open meeting.

There being no additional new business, the meeting was adjourned at 4:07 p.m.

Flint H. Lewis  
Secretary

**Special Rules for Conducting Virtual ACS Council Meetings**

- To ensure security of the meeting, all Councilors shall access the virtual Council meeting platform with their ACS Member Identification number. Should a Councilor feel they are unable to perform their duties for their Local Section or Division, a certified Alternate Councilor can attend and participate in their place. Councilors will be provided with multiple opportunities to participate in a mock virtual Council meeting and to practice their admission into the system to the Council meeting to ensure they are able to access the meeting without any technical or security issues. Councilors are also encouraged to log in at least one hour prior to the start of the virtual Council meeting
- The President of the Society will preside over the virtual Council, call on Committee Chairs for reports, and where appropriate, state motions and preside over voting.
- The Council Policy Committee Vice Chair will be the Moderator of the Council. The Moderator's role is to queue the Councilors who indicate they wish to speak, inform the President of the order of the queue, and inform the President if a Councilor has exceeded their speaking time.
- Councilors will be asked to raise their hands virtually should they wish to be acknowledged to speak. At all other times, all microphones will be muted by the meeting host except for the current speaker.
- Councilors who wish to speak, should keep their remarks or questions to 60 seconds. Councilors should begin speaking by stating their name and their affiliation as Councilor. The President may choose to end discussion on a particular topic should he feel a sufficient number of Councilors have addressed the issue before them.
- Committee Chairs will be asked to submit their oral reports and slides for review by CPC. It is recommended that Committees limit their oral reports to no more than two minutes, and incorporate graphics in their presentations.
- For voting on all motions and elections, Councilors will be asked to utilize the voting features provided by Lumi, the virtual Council software platform.

## REPORT OF THE COMMITTEE ON COMMITTEES

The Committee on Committees (ConC) submitted its final recommendations for 2021 Committee Chairs, members, associates, and consultant appointments and reappointments for consideration by the President-Elect and the Chair of the Board of Directors. The committee appointment and reappointment letters were sent by year-end.

Due to the continuing attention to safety associated with the COVID-19 pandemic, the ConC Leadership Development Subcommittee conducted its annual training session for 13 Committee Chairs and their staff liaisons on January 9-10, 2021, in collaboration with the virtual ACS Leadership Institute Experience. The training once again received favorable reviews from participants and invited guests. Due to the modified schedule of the Leadership Institute Experience, additional sessions will be conducted in February, March, and June for Committee Chairs and their staff liaisons.

As noted during ConC's oral report last August, the committee will bring forth the "Petition to Harmonize Committee Structures, Processes, and Terms" for action during the virtual Council Meeting in March. If approved, this petition would remove the committee structures, relax the "Councilor only" designations that exists for some ACS committees, and standardize committee term limits. Councilors and other interested parties are invited to attend the committee's open meeting on Thursday, March 11, from 2:00-3:00 p.m. to offer their views on this petition and other matters of interest.

The ACS Standing Rules require that ConC review each Joint Board-Council and Other Committees of the Council no less often than every five years and advise the Board of Directors and Council whether they should be continued. ConC will also seek Council approval on the recommendation for continuance of the Committee on Ethics.

During the closed executive meeting, ConC will receive reports and consider recommendations from its subcommittees on leadership development; committee systems and structure; diversity, equity, inclusion & respect, and the diversity & inclusion & respect working group. ConC will also receive updates on scheduled performance reviews for the Committees on Analytical Reagents, Chemistry and Public Affairs, Chemists with Disabilities, Community Activities, Environmental Improvement, Minority Affairs, Project SEED, Public Relations and Communications, Science & Women Chemists. The committee will also develop recommendations for the 2022 Committee Chairs for the Society, Standing, Joint Board-Council and Other Committees of Council.

In collaboration with the Council Policy Committee, ConC will also participate in the New Councilor Orientation & Committee Networking Virtual Event on Friday, March 12, from 4:00-6:00 p.m.

All Councilors are reminded to complete their online committee preference form for 2022, during the period of April 1-July 1, 2021 at <https://www.yellowbook.acs.org/>. Please remember committee associates, and especially those finishing a term or who will reach the statutory limit on a committee, are strongly encouraged to complete the online form to reaffirm your interest and commitment to service in the Society. You can also use this system to update your Yellow Book contact and biographical information throughout the year.

Carolyn Ribes, 2020 Chair  
Diane Krone, 2021 Chair

Mr. Flint H. Lewis  
Secretary, American Chemical Society  
1155 Sixteenth Street, NW  
Washington, DC 20036

Dear Mr. Lewis:

I propose the following MEMBERS for consideration by the Committee on Committees for service on the following committees for 2022:

**Standing Committees (Appointed by the President)**

Constitution and Bylaws (C&B) \_\_\_\_\_  
Divisional Activities (DAC) \_\_\_\_\_  
Economic and Professional Affairs (CEPA) \_\_\_\_\_  
Local Section Activities (LSAC) \_\_\_\_\_  
Meetings and Expositions (M&E) \_\_\_\_\_  
Membership Affairs (MAC) \_\_\_\_\_

**Other Committees (Appointed by the President)**

Analytical Reagents (CAR) \_\_\_\_\_  
Ethics (ETHX) \_\_\_\_\_  
Nomenclature, Terminology and Symbols (NTS) \_\_\_\_\_  
Project SEED (SEED) \_\_\_\_\_  
Technician Affairs (CTA) \_\_\_\_\_

**Society Committees (Appointed by the President and Board Chair)**

Budget and Finance (B&F) \_\_\_\_\_  
Education (SOCED) \_\_\_\_\_

**Joint Board-Council (Appointed by the President and Board Chair)**

Chemical Abstracts Service (CCAS) \_\_\_\_\_  
Chemical Safety (CCS) \_\_\_\_\_  
Chemistry and Public Affairs (CCPA) \_\_\_\_\_  
Chemists with Disabilities (CWD) \_\_\_\_\_  
Community Activities (CCA) \_\_\_\_\_  
Environmental Improvement (CEI) \_\_\_\_\_  
International Activities (IAC) \_\_\_\_\_  
Minority Affairs (CMA) \_\_\_\_\_  
Patents and Related Matters (CP&RM) \_\_\_\_\_  
Professional Training (CPT) \_\_\_\_\_  
Publications (PUBS) \_\_\_\_\_  
Public Relations and Communications (CPRC) \_\_\_\_\_  
Science (ComSci) \_\_\_\_\_  
Senior Chemists (SCC) \_\_\_\_\_  
Women Chemists (WCC) \_\_\_\_\_  
Younger Chemists (YCC) \_\_\_\_\_

Sincerely,

\_\_\_\_\_  
(Senders Name/Email)

\_\_\_\_\_  
(Senders Affiliation)

**ORIGINAL**

**FOR COUNCIL ACTION**

**Petition to Harmonize Committee Structures, Processes, and Terms**  
(AMENDMENTS TO THE STANDING RULES)

**Standing Rule I, Sec. 1**  
**Standing Rule II, Sec. 1, 2, 3**  
**Standing Rule III, Sec. 1, 2, 3**  
**Standing Rule IV, Sec. 1**  
**Standing Rule V, Sec. 2**  
**Standing Rule VIII, Sec. 1, 2, 3, 4, 5**  
**Standing Rule IX, Sec. 4**

**Petition**

We, the undersigned voting members of the American Chemical Society's Committee on Committees, hereby petition to amend the SOCIETY's Standing Rules as follows (additions **underlined**; deletions ~~struck through~~):

**STANDING RULE I**  
**Membership Function**

Section 1.

...

c. The Committee on Membership Affairs is a ~~Standing~~-**Society** Committee of the Council, as described elsewhere in these Standing Rules.

**STANDING RULE II**  
**Council Executive Function**

Section 1.

...

h. ~~The Chair of the Committee on Nominations and Elections, the Chair of the Committee on Committees, the Chair of each Standing Committee of the Council, and the Chairs of~~ **the following each** Society Committees shall have all the privileges of membership on the Council Policy Committee except that of voting: **Budget and Finance, Committees, Constitution and Bylaws, Divisional Activities, Economic and Professional Affairs, Education, Local Section Activities, Meetings and Expositions, Membership Affairs, and Nominations and Elections.**

...

Sec. 2.

**Composition of Council**

a. The President and the Secretary of the SOCIETY shall be the President and the Secretary, respectively, of the Council, and the President shall serve as the presiding officer of the Council. There shall be Society Committees as provided elsewhere in these Standing Rules, ~~to aid both the Council and the Board of Directors, in the performance of their functions.~~ **Society Committees shall report to the Council**

~~or the Council and the Board of Directors. Society Committees shall be composed of voting Councilors, including Directors, and may, when deemed appropriate, include other members of the SOCIETY, as provided elsewhere in these Standing Rules.~~

...

**Sec. 34**

Meetings of the Council

...

**Sec. 4.**

~~Society Committees of the Council~~

The ~~Council~~ **SOCIETY** shall have the following committees (**hereinafter referred to as “Society Committees”**) with the duties as described below and elsewhere in these Standing Rules:

**a. Society Committees Reporting Only to the Council**

- (1) Committee on Analytical Reagents
- (2) Committee on Committees (elected)
- (3) Committee on Constitution and Bylaws
- (4) Committee on Divisional Activities
- (5) Committee on Economic and Professional Affairs
- (6) Committee on Ethics
- (7) Committee on Local Section Activities
- (8) Committee on Meetings and Expositions
- (9) Committee on Membership Affairs
- (10) Committee on Nomenclature, Terminology, and Symbols
- (11) Committee on Nominations and Elections (elected)
- (12) Council Policy Committee (elected)
- (13) Committee on Project SEED
- (14) Committee on Technician Affairs

**b. Society Committees Reporting to the Council and the Board of Directors**

- (1) Budget and Finance
- (2) Chemical Safety
- (3) Chemistry and Public Affairs
- (4) Chemists with Disabilities
- (5) Community Activities
- (6) Education
- (7) Environmental Improvement
- (8) International Activities
- (9) Minority Affairs
- (10) Patents and Related Matters
- (11) Professional Training
- (12) Public Relations and Communications
- (13) Publications
- (14) Science
- (15) Senior Chemists
- (16) Women Chemists
- (17) Younger Chemists

a-c. ~~Elected~~ Society Committees of the Council that are elected

(1) The Council shall elect the following committees as described below and elsewhere in these Standing Rules:

- (a) Council Policy Committee
- (b) Committee on Nominations and Elections
- (c) Committee on Committees.

(2)

(a) ~~For the Council Policy Committee,~~ **The** President shall serve as Chair **of the Council Policy Committee** and the Secretary of the SOCIETY shall serve as Secretary ex officio.

(b) The Committee on Nominations and Elections shall elect its Chair **and Secretary** from its own membership.

(c) The Committee on Committees shall elect its Chair **and Secretary** from among its own membership. The President-Elect shall serve as a member ex officio.

~~b. Standing Committees of the Council~~

~~(1)~~

- ~~(a) Committee on Membership Affairs~~
- ~~(b) Committee on Meetings and Expositions~~
- ~~(c) Committee on Divisional Activities~~
- ~~(d) Committee on Local Section Activities~~
- ~~(e) Committee on Economic and Professional Affairs~~
- ~~(f) Committee on Constitution and Bylaws~~

~~(2)~~

~~(a) The Council shall provide for such Standing Committees, composed wholly of voting Councilors, as it deems necessary to explore all matters in which the Council has an interest.~~

~~(b) Each Standing Committee of the Council shall be responsible to the Council, shall report to the Council Policy Committee and the Council at each meeting of such bodies, and shall submit a comprehensive summary or full report of its activities to be made a part of the official record.~~

~~(c) The Chair of each Standing Committee shall be appointed by the President, with the advice of the Committee on Committees, for one calendar year, each individual being limited to three successive one-year terms as Chair of the same Committee.~~

~~(d) Each Standing Committee annually shall elect one of its members to serve as Secretary.~~

~~(e) A member of a Standing Committee shall serve two calendar years and shall be permitted only three successive two-year terms on the same committee.~~

~~(f) The President, with the advice of the Committee on Committees, shall appoint voting Councilors to the various Standing Committees and fill vacancies in such a manner as to produce rotation.~~

~~(g) Each Standing Committee shall consist of not fewer than twelve and not more than twenty members, except on special authorization of the Council.~~

~~(h) The Chair and other members of each Standing Committee must be qualified voting Councilors when appointed. If any member of a Standing Committee becomes disqualified, that member shall be dropped and a vacancy declared, except that the President may postpone until the end of the calendar year dropping from the Committee a Councilor so disqualified and the simultaneous declaration of a vacancy if such postponement will significantly benefit the operations of the Committee.~~

~~c. Other Committees of the Council~~

~~(1)~~

- ~~(a) Committee on Analytical Reagents~~
- ~~(b) Committee on Ethics~~
- ~~(c) Committee on Nomenclature, Terminology, and Symbols~~
- ~~(d) Committee on Project SEED~~
- ~~(e) Committee on Technician Affairs~~



Petition to Harmonize Committee Structures, Processes, and Terms

~~(2)~~

~~(a) The Council may provide for Other Committees, **members of which need not be Councilors**, to consider and report upon SOCIETY matters within the Council's jurisdiction. Other Committees of the Council, responsible to that body, may be established by the Council or the Council Policy Committee. These committees may serve any purposes that the Council or the Council Policy Committee determine to be appropriate. The Committee on Committees shall review each committee not less often than every five years and shall advise the Council whether it should be continued.~~

~~(b) Each Other Committee shall report to the Council Policy Committee and to the Council at least once a year. A written report of each Other Committee's activities shall be made a part of the official record.~~

~~(c) The Chair of each Other Committee shall be appointed by the President, with the advice of the Committee on Committees, for one calendar year, each individual being limited to three successive one-year terms as Chair of a given Committee. However, the President may waive this three term limit in specific instances. A Chair shall continue to serve until a successor has been appointed.~~

~~(d) Other Committees may have any composition of membership and size that the Council or the Council Policy Committee determines would be most effective in accomplishing the desired results. Appointments to Other Committees shall be for three year terms, arranged so as to provide rotation. The President, with the advice of the Committee on Committees, shall appoint the members of each Other Committee.~~

~~(e) A Committee member shall be permitted only three consecutive three year terms on a given Other Committee. However, the President may waive this rule in specific instances.~~

**d. Society Committees**

~~(1)~~

~~(a) Committee on Budget and Finance~~

~~(b) Committee on Education~~

~~(2)~~

~~(a) There shall be Society Committees as provided elsewhere in these Standing Rules to aid both the Council and the Board of Directors in the performance of their functions. Society Committees shall be composed of voting Councilors, including Directors, and may, when deemed appropriate, include other members of the Society, as provided in the Bylaws.~~

~~(b) Each Society Committee shall be responsible to the Board of Directors on all matters relating to fiscal affairs, and to both the Board and the Council on all other matters. Each Society Committee shall report to the Council Policy Committee, to the Council, and to the Board of Directors at each meeting of such bodies. In addition, each Society Committee shall report upon request to the Executive Committee of the Board of Directors when the Executive Committee wishes to act for the Board between Board meetings. A written report of each Society Committee's activities shall be made a part of the printed record.~~

~~(c) The Chair of each Society Committee shall be appointed jointly by the President and the Chair of the Board, with the advice of the Committee on Committees, for one calendar year, each individual being limited to three successive one year terms as Chair of the same Committee. However, a Chair shall continue to serve until a successor has been appointed.~~

~~(d) Each Society Committee annually shall elect one of its members to serve as Vice Chair.~~

~~(e) A member of a Society Committee shall serve a term of three calendar years, and shall be permitted only three successive three year terms on the same Society Committee. A member of a Society Committee may also be a member of another committee with related responsibilities.~~

~~(f) Appointment to Society Committees shall be arranged so as to provide rotation. With the advice of the Committee on Committees, each year one member shall be appointed by the President, one member shall be appointed by the Chair of the Board of Directors, and any other vacancies shall be filled by joint appointments.~~

~~(g) Each Society Committee shall consist of not fewer than twelve and not more than twenty members.~~

~~(h) Appointees shall be selected such that a majority of the members are qualified voting Councilors.~~

~~e. **Joint Board-Council Committees**~~

~~These committees and their duties are listed elsewhere in these Standing Rules.~~

~~(1) Other Joint Board Council Committees, responsible to both bodies, may be established by joint resolution of the Council and the Board of Directors. These committees may serve any purposes that the establishing bodies determine to be appropriate; the responsibilities and lifetime of each shall be stipulated in the founding resolution. The Committee on Committees shall review each of these committees not less often than every five years and shall advise the Council and the Board of Directors whether it should be continued.~~

~~(2) Each Other Joint Board Council Committee shall be responsible to the Board of Directors on all matters relating to fiscal and legal affairs and property rights, and to both the Board and the Council on all other matters. Each Other Joint Board Council Committee shall report to the Council Policy Committee, to the Council, and to the Board of Directors at least once a year. In addition, each Other Joint Board Council Committee shall report upon request to the Executive Committee of the Board of Directors when the Executive Committee wishes to act for the Board between Board meetings. A written report of each Other Joint Board Council Committee's activities shall be made a part of the official record.~~

~~(3) The Chair of each Other Joint Board Council Committee shall be appointed jointly by the President and the Chair of the Board, with the advice of the Committee on Committees, for one calendar year, each individual being limited to three successive one year terms as Chair of a given Committee. However, a Chair shall continue to serve until a successor has been appointed.~~

~~(4) Other Joint Board Council Committees may have any composition of membership and size that the establishing bodies determine would be most effective in accomplishing the desired results. Except when membership is specified owing to simultaneous service on certain Council or Board related SOCIETY bodies, appointments to Other Joint Board Council Committees shall be for three year terms, arranged so as to provide rotation. The President, with the advice of the Committee on Committees, shall appoint one member and the Chair of the Board of Directors shall appoint one member each year; any other vacancies shall be filled by joint appointments. If in any year a single vacancy occurs, it shall be filled by joint appointment.~~

~~(5) A Committee member shall be permitted only three consecutive three year terms on a given Other Joint Board Council Committee.~~

~~f. All Committees shall report in the manner provided in these Standing Rules.~~

Sec. 25.

Committee Appointments, Terms, and Composition

**a. The President, with the advice of the Committee on Committees, shall appoint the members and the Chair of each Society Committee that reports only to the Council and is not a committee that is elected. The President shall fill any vacancies in these committees by appointment. The President and the Chair of the Board of Directors, with the advice of the Committee on Committees, jointly shall appoint the members and the Chair of each Society Committee that reports to both the Council and the Board of Directors. The President and the Chair of the Board of Directors jointly shall fill any vacancies by appointment.**

**b. Members of Society Committees shall be members of the SOCIETY, unless the appointing officer(s) decide to make an exception. In making appointments, the President will ensure that Councilors are well represented among the members of Society Committees. Society Committees that are elected shall consist of only Councilors.**

**c. The terms for a member of a Society Committee shall be three calendar years. A member of a Society Committee shall be eligible to serve two successive three-year terms on the same committee. Service for at least 18 months shall constitute a full term for the purpose of this term limit. The term**

of the Chair of a Society Committee shall be one calendar year. The Chair shall be limited to three successive one-year terms on the same committee. If the Chair is initially appointed for a partial term of more than six months, the Chair is eligible thereafter to serve only two successive one-year terms.

d. Associates and consultants may be appointed for one-year terms on Society Committees in the same manner as members are appointed. They may be reappointed.

e. At any time the President, or jointly the President and the Chair of the Board of Directors for committees that report to both, may remove a Society Committee chair, member, associate, or consultant for cause.

f. Appointments shall be made so that each Society Committee consists of not fewer than twelve and not more than twenty members, unless the appointing officer(s) decide to make an exception on recommendation from the Committee on Committees.

g. A Society Committee shall both provide a written report for the Council agenda and give an oral report to Council at least once per year; however, Society Committees that are elected shall provide both a written and oral report at each meeting of the Council.

h. The Committee on Committees shall review each Society Committee, except for those that are elected, not less often than every five years and shall advise the Council and the Board of Directors on its continuance.

## Sec. 6.

### Society Committee Meetings

a. Meetings of Society Committees, with the approval of the committee chair, may be held by means of electronic communications technology that permits those in attendance to hear or read the proceedings substantially concurrently with their occurrence, and for members to vote as needed. Society Committee associates and consultants are not eligible to vote.

### b. ~~g. Meetings of Society Committees and Standing Committees of the Council~~

~~Each Society Committee and each Standing Committee shall encourage the expression of member opinion on SOCIETY matters within its field of duties, and whenever possible shall allow reasonable time for members to make their views known before appropriate action is taken. To accomplish this, e~~Each Society Committee shall hold at least two open and two executive meetings during each national meeting of the SOCIETY at which the Council meets, each year, and well before the date of these meetings shall publicize the meeting date and time and major topics to be discussed ~~and the time and place of the open meeting.~~ Except for routine matters or those requiring immediate action, no Society Committee recommendation shall be presented for Council action until the topic has been discussed at ~~a~~one of the committee's previous in an open meetings, national meeting of the SOCIETY at which Council met. At other national meetings of the SOCIETY, those members of each Committee who may be in attendance are urged to be available for informal discussions at a time and place publicized in advance.

c. A quorum for a Society Committee meeting is a majority of its voting members.

### h. Eligibility

Except as otherwise provided in these Standing Rules, no Councilor shall be a voting member of more than one committee of the group comprising the Society Committees, the elected Committees of the Council, and the Standing Committees of the Council, provided, however, that the Council may waive this rule in specific instances if reasons convincing to the Council are supplied.

### i. Size of Council-Related SOCIETY Bodies

Petition to Harmonize Committee Structures, Processes, and Terms

~~The Council shall set the size of the Council related SOCIETY bodies within limits set elsewhere in these Standing Rules, upon advice of the Committee on Committees, and with the concurrence of the Board on the size of those which are also Board related.~~

~~j. Vacancies on Council Related SOCIETY Bodies~~

~~Except as provided elsewhere in these Standing Rules, vacancies on Council related SOCIETY bodies shall be construed as occurring when an incumbent's term is completed or when the Committee on Committees learns that the incumbent is unable to complete the current term and when the appointing authorities have been so notified.~~

~~Sec. 75.~~

~~Dues~~

~~...~~

~~Sec. 86.~~

~~Student Chapters~~

~~...~~

**STANDING RULE III  
Committees Function**

**Section 1.**

~~...~~

~~b. The duties of the Committee on Committees...~~

~~...~~

~~(5) appoint members to fill vacancies that have existed longer than sixty days on the Council related SOCIETY bodies whose members or chairs are normally appointed by the President; and~~

~~Sec. 2.~~

~~The Committee on Committees is an Elected a Society Committee of the Council, whose members are elected by Council as follows; as described elsewhere in these Standing Rules.~~

~~Sec. 3.~~

~~a. The Committee on Committees shall be composed of the President-Elect, as provided elsewhere in these Standing rules, and fifteen elected members who must qualify as voting Councilors.~~

~~b. ~~Sec. 4.~~ Election of Councilors to the Committee on Committees shall be arranged so as to provide rotation. Each year the Committee on Nominations and Elections shall propose the names of not fewer than twice as many voting Councilors for membership on the Committee on Committees as there are members whose terms are expiring. Not later than October 1 the Council shall elect from a list of nominees a number of members corresponding to the number of vacancies on the Committee on Committees for a term of three years beginning with the first day of January following. Nominations for membership on the Committee on Committees may also be made by petition of 25 Councilors.~~

~~Sec. 53.~~

~~No elected Councilor shall serve more than two successive terms of three years each on the Committee on Committees.~~

~~Sec. 6.~~

~~Each year the Committee on Committees shall elect a Chair and a Secretary from its membership.~~

~~Sec. 74.~~

~~If a member or member-elect of the Committee on Committees fails at any time to qualify as a voting Councilor, that member shall thereafter remain a member of the Committee and a voting Councilor for one additional year or to the end of that member's term on the Committee, whichever is shorter.~~

~~Sec. 85.~~

Any vacancy on the Committee on Committees shall be filled by the Council.

**Sec. 9.**

~~The Council shall elect the Committee on Committees, on which the President Elect shall serve as a member ex officio. The Committee shall elect its Chair from among its own membership.~~

**STANDING RULE IV  
Elections Function**

**Sec. 1.**

...

**Sec. 2.**

Note: the text in Sec. 2 was moved from Sec. 1 and renumbered.

~~e.~~ The Committee on Nominations and Elections is an ~~Elected~~ **Society** Committee of the Council, **whose members are elected by Council** as **follows:** ~~described elsewhere in these Standing Rules.~~

~~a.~~ ~~d.~~ The Committee on Nominations and Elections shall be composed of fifteen voting Councilors.

**b.** (4) Election of Councilors to the Committee on Nominations and Elections shall be arranged so as to provide rotation. Each year the Council Policy Committee shall propose the names of not fewer than twice as many voting Councilors for membership on the Committee on Nominations and Elections as there are members whose terms are expiring. Not later than October 1 the Council shall elect from the list of nominees a number of members corresponding to the number of vacancies on the Committee on Nominations and Elections for a term of three years beginning with the first day of January following. Nominations for membership on the Committee on Nominations and Elections may also be made by petition of 25 Councilors.

Sec. 3. ~~(2)~~ No Councilor shall serve more than two successive terms of three years each on the Committee on Nominations and Elections.

~~(3) Each year the Committee on Nominations and Elections shall elect a Chair and a Secretary from its membership.~~

...

Note: subsequent sections remain and are renumbered.

**STANDING RULE V  
Governing Documents Function**

...

**Sec. 2.**

The Committee on Constitution and Bylaws is a ~~Standing~~ **Society** Committee of the Council, as described elsewhere in these Standing Rules.

...

**STANDING RULE VIII  
Duties of Society Committees**

**Sec. 1.**

a. **Duties of Committees that Report Only to the Council (some duties are listed elsewhere in the Standing Rules as noted below)**

(1) Committee on Analytical Reagents

This committee is involved with setting standards for, and establishing approved analytical procedures for determining the purity of, chemical reagents sold by commercial companies. ~~The committee~~

~~meets in Washington, D.C. twice annually and discusses modifications to procedures and additions to the list of reagents considered.~~ **The committee creates and revises analytical procedures and the reagents list.** The committee's work leads to periodic revision of the publication, *Reagent Chemicals: Specifications and Procedures*. The ~~present~~ committee may include representatives of commercial chemical manufacturers, standards organizations, and users of chemical reagents.

- (2) Committee on Committees (**duties are listed elsewhere**)
- (3) Committee on Constitution and Bylaws (**duties are listed elsewhere**)
- (4) Committee on Divisional Activities (**duties are listed elsewhere**)
- (5) Committee on Economic and Professional Affairs
- ...
- (6) Committee on Ethics
- ...
- (7) Committee on Local Section Activities (**duties are listed elsewhere**)
- (8) Committee on Meetings and Expositions (**duties are listed elsewhere**)
- (9) Committee on Membership Affairs (**duties are listed elsewhere**)
  
- (10) Committee on Nomenclature, Terminology, and Symbols
- ...
- (11) Committee on Nominations and Elections (**duties are listed elsewhere**)
- (12) Council Policy Committee (elected) (**duties are listed elsewhere**)
- (13) Committee on Project SEED
- ...
- (14) Committee on Technician Affairs
- ...

**b. Duties of Committees that Report to both the Council and the Board of Directors**

- (1) **Budget and Finance**
- ...

Note: there are no changes to the duties of the committees that report to both the Council and the Board of Directors; see the list in Standing Rule II.
--

~~Section 1.~~

~~Elected Committees of the Council (the duties are listed elsewhere)~~

- ~~a. Council Policy Committee~~
- ~~b. Committee on Nominations and Elections~~
- ~~c. Committee on Committees~~

~~Sec. 2.~~

~~Standing Committees of the Council (except as noted below, the duties are listed elsewhere)~~

- ~~a. Committee on Membership Affairs~~
- ~~b. Committee on Meetings and Expositions~~
- ~~c. Committee on Divisional Activities~~
- ~~d. Committee on Local Section Activities~~
- ~~e. Committee on Constitution and Bylaws~~
- ~~f. Committee on Economic and Professional Affairs~~

- ...
- ~~Sec. 3.~~  
~~Other Committees of the Council~~
- ~~a. Committee on Analytical Reagents~~
  - ...
  - ~~b. Committee on Ethics~~
  - ...
  - ~~c. Committee on Nomenclature, Terminology, and Symbols~~
  - ...
  - ~~d. Committee on Project SEED~~
  - ...
  - ~~e. Committee on Technician Affairs~~

- ...
- ~~Sec. 4.~~  
~~SOCIETY Committees~~
- ~~a. Committee on Budget and Finance~~
  - ~~b. Committee on Education~~

- ~~Sec. 5.~~  
~~Joint Board Council Committees~~
- ~~a. ...~~
    - ~~(1) Chemical Safety~~
    - ~~(2) Chemistry and Public Affairs~~
    - ~~(3) Chemists with Disabilities~~
    - ~~(4) Community Activities~~
    - ~~(5) Environmental Improvement~~
    - ~~(6) International Activities~~
    - ~~(7) Minority Affairs~~
    - ~~(8) Patents and Related Matters~~
    - ~~(9) Professional Training~~
    - ~~(10) Public Relations and Communications~~
    - ~~(11) Publications~~
    - ~~(12) Science~~
    - ~~(13) Senior Chemists~~
    - ~~(14) Women Chemists~~
    - ~~(15) Younger Chemists~~

## STANDING RULE IX Other Rules

...

### Sec. 4.

The Council, along with the Board of Directors as necessary for those committees that report to the Council and the Board of Directors ~~Joint Board Council Committees~~, is authorized to may create committees and assign their duties in accordance with the Bylaws and these Standing Rules.

### Explanation

There is a myriad of differences in the ACS governing documents describing the ACS committees, including length of terms, maximum terms, who can and who cannot be a member of certain committees, etc. This may have been a design that served the Society in the past, but the world today seeks simplicity and easy to understand guidelines.

In Standing Rule II, the old committee structure is shown as deleted (crossed out) and the new committee structure has been added, including the list of committees. All committees are now referred to as Society Committees, for which some are noted that their members are elected. The duties of committees remain in Standing Rule VIII, except for the function committees, for which their duties remain in their respective Standing Rules.

Many members who would like to serve on a national committee are confused as to where, how long, and under what conditions they could do so. Some requirements have the practical result of serving as systematic barriers preventing or limiting engagement opportunities and may unintentionally exclude members and some demographic groups (especially those underrepresented in Council).

This petition places all committees in one category: “Society Committees”, replacing outdated terms such as “Standing Committees”, “Council Committees”, “Other Committees” and “Joint Board-Council Committees”. The terms for all committee members would now be consistent and would match the present terms of the Elected Committees: three-year terms with a two-term maximum for members of the committee.

No longer would committees be required to consist of Councilors only, except for the three committees that are elected, allowing the President and the Chair of the Board of Directors, with input from ConC, to appoint committee members based on skills and expertise needed rather than position held. ConC will continue to recommend Councilors for committee positions as appropriate.

By this petition, ACS would have a national committee system that is easy to understand and consistent in design.

- Defines a “meeting”
- Defines a quorum for committee meetings
- Formalizes committee action between national meetings
- Formalizes committee associates and consultants for the first time
- Standardize the number of members allowed on committees.

### Proviso

The Petition to Harmonize Committee Structures, Processes, and Terms will be effective immediately upon approval by the Council and the Board of Directors, however, existing committee assignments will be implemented beginning January 1, 2022 in the following manner.

For committees with two-year terms (Constitution & Bylaws, Divisional Activities, Economic and Professional Affairs, Local Section Activities, Meetings and Expositions, and Membership Affairs):

- A Member serving in their first term would complete their first term as scheduled, and would be eligible for re-appointment to a second three-year term.
- A Member serving in their second term would complete their second term as scheduled, and would then be allowed to serve a final three-year term on the Committee.
- A Member serving in their third and final term as scheduled, would complete their term and then be ineligible for reappointment to the Committee.

For committees with three-year terms, (Analytical Reagents; Budget and Finance; Chemical Safety; Chemistry and Public Affairs; Chemists with Disabilities; Community Activities; Education; Environmental Improvement; Ethics; International Activities; Minority Affairs; Nomenclature,



Technology, and Symbols; Patents and Related Matters; Professional Training; Project SEED; Public Relations and Communications; Publications; Science; Senior Chemists; Technician Affairs; Women Chemists; and Younger Chemists):

- A Member serving in their first term would complete their first term as scheduled, and would be eligible for re-appointment to a second three-year term.
- A Member serving in their second term would complete their second term as scheduled, and would then not be eligible for re-appointment to a third term on the Committee.
- A Member serving in their third and final term as scheduled, would complete their term and then be ineligible for reappointment to the Committee.

## REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

At its fall 2020 virtual meeting the Committee on Nominations and Elections (N&E) developed slates of potential candidates for President-Elect, 2022; Directors-at-Large, 2022-2024; and Directors from Districts I and V, 2022-2024.

A virtual “President-Elect Nominee Town Hall Meeting” will be held Tuesday, March 23, from 1:00 p.m. – 2:00 p.m. (ET) This forum is designed to facilitate interaction among the 2022 President-Elect nominees, Councilors and other members using a moderated question-and-answer format.

The 2021 election cycle began with the election of candidates for District I and District V in January. Survey & Ballot Systems (SBS) of Eden Prairie, Minnesota conducted the primary elections for the Society. In addition to the primary elections, a special interim election was conducted to fill a vacancy on the Committee on Committees for a one-year term (2021). The results of the election will be announced at the virtual Council meeting March 24.

In a virtual executive session on March 14, N&E will hear from its subcommittees on Operational Guidelines, Nominations Processes, N&E Standing Rules, and from the 2021 Virtual Events Task Force. On March 30, N&E will meet to develop slates of potential candidates for the Council Policy Committee and the Committee on Committees for 2022-2024. As in the past, N&E welcomes suggestions from Councilors of qualified members as potential candidates for all elected ACS offices – a form is included in the Council agenda, or you can contact us at [nomelect@acs.org](mailto:nomelect@acs.org)

Amber S. Hinkle, Chair

REPORT OF THE COMMITTEE ON BUDGET AND FINANCE

The Society Committee on Budget and Finance met virtually on October 22, 2020 to review the Society's forecast of the full year 2020 financial results. At that session, staff projected that the Society would end 2020 with a net contribution from operations in excess of \$57 million, significantly above the budgeted level of \$41 million. This strong performance, in spite of the pandemic, results from close to budgeted revenues and much lower expenses due to reduced travel and in-person events along with careful cost management. The Society was expected to comply with all five Board financial guidelines at December 31, 2020.

The committee met virtually on December 5, 2020 to review the 2021 Proposed Operating and Capital Budgets. After discussion, the committee voted to recommend to the Board of Directors that it approve the 2021 Proposed Operating Budget with a Net Contribution of \$31 million. The committee also voted to recommend to the Board that it approve the 2021 Proposed Capital Budget of \$42 million. The committee received an update from the Subcommittee on Portfolio Evaluation and Optimization on the activities to reimagine the Society Program Portfolio Management process. The committee also received reports from Membership and Society Services staff and Brian Mathes (Chair, Membership Affairs Committee) on the proposed Schedule of Membership for 2022, and from the Committee on Committees liaison (Carolyn Ribes) related to an upcoming Petition to Harmonize Committee Structure, Processes, and Terms.

The Subcommittee on Financial Impacts of Constitution & Bylaw Amendments met on January 15, 2021 to assess the petition with proposed changes to the 2022 Schedule of Membership. The Subcommittee proposed, and the full committee approved (via email ballot) on February 5, 2021, the following motion regarding the Petition to be presented to Council at its March meeting:

***The Society Committee on Budget and Finance has examined this petition and in the 'most likely case' concludes that it will have extraordinary positive financial impact (in excess of +\$1M) on the finances of the Society. Among all possible forecasted scenarios, none would have worse than no impact (\$0) on the finances of the Society.***

The committee will next meet virtually on March 13. It will receive the final year-end financial results for 2020 from staff. Normally, the committee would consider a recommendation for the dues rate for 2022, however this is superseded by proposed Petition on the Schedule of Membership for 2022.

William Greenlee, 2020 Chair

## REPORT OF THE COMMITTEE ON EDUCATION

This report updates the Council on SOCED's progress in implementing the actions to which it agreed in Fall 2020, and highlights significant accomplishments of the Society's education programs.

In a special Executive Session held on October 1, SOCED considered structures that better align with committee roles and responsibilities, voting to form three subcommittees: Science Education Policy, Promoting Excellence in Education, and Student Communities. A collection of advisory boards and working groups will engage a range of experts and stakeholders from across the education community, developing interactions and collaborations to fulfill Goal 3 of the ACS Strategic Plan to support excellence in education, as well as the SOCED vision, mission and goals.

*Vision:* The future of chemistry teaching and learning

*Mission:* Develop and implement policies and resources to advance chemistry education and to connect its diverse communities

*Goal 1:* Promote effective chemistry education

*Goal 2:* Foster collaborative and sustainable environments for emerging and existing communities in chemistry education

*Goal 3:* Identify opportunities and approaches for communication and collaboration among education stakeholders

Collaborative activities continue to enhance progress towards fulfilling the educational goals of ACS and SOCED. A partnership with the Younger Chemists Committee facilitated the involvement of 20 undergraduate students in the 2021 ACS Leadership Institute Experience, continuing through August. SOCED and the Division of Chemical Education coordinate efforts ranging from meeting programming to supporting the American Association of Chemistry Teachers (AACT).

The ACS Core Values of diversity, inclusion, and respect are key components of excellence in education. A SOCED session on building an inclusive chemical education culture was held on December 10. The ACS comment "Opportunities for inclusive science education" in the November 16, 2020 issue of C&EN highlighted two goals from the ACS Science Education Policy Statement and encouraged the chemistry community to build on our experiences in 2020. We have a unique opportunity to not just survive but thrive by becoming aware of the challenges of creating inclusive education and using new understanding and technologies to solve those challenges.

Several webinars and the AACT publication, *Chemistry Solutions*, featured the Get the Facts Out project supported by the National Science Foundation's Improving Undergraduate STEM Education initiative. ACS invites all chemistry faculty to join to the project as Get the Facts Out champions, sharing the facts about the grades 7–12 teaching profession by using the materials and messages from the GFO project locally or nationally. More information and the tool kit are available at [www.acs.org/GetTheFactsOut](http://www.acs.org/GetTheFactsOut).

### Primary and secondary education

AACT ended 2020 with 8,045 members, a 20% growth since 2019. A total of 36 webinars were held in 2019, with an average rating of 4.6 on a 5.0 scale, including the AACT Summer Symposium Series. The online resource library reached 901 items, and the *ChemMatters* digital archive was launched. For the 2020-2021 school year, over 259 partnerships were initiated through the Science Coaches program. The ChemClub program is now being supported by AACT staff.

### Post-secondary education

SOCED continues to work with its Undergraduate Programs Advisory Board on engaging student communities. At the end of December 2020, there were 16,954 student members, compared to 18,985 at the end of December 2019. Reports for 2019-2020 activities were received from 311 domestic and 47 international student chapters, reporting on over 8000 and over 620 activities, respectively. SOCED used these reports to select 2019-2020 Student Chapter Award winners. There are now 87 international student chapters in 28 countries, exceeding the 2020 goal of 70 chapters.

There are now four ACS Graduate Student Organizations in the ACS-GSO program, launched in 2020. Graduate students and existing graduate student organizations are invited to charter an ACS-GSO or affiliate with ACS.

The online career planning tool ChemIDP.org had 1,770 new users in 2020. The Impact Indicator and Instruments for Individual Development Plans project, supported by the NSF Innovations in Graduate Education, has launched its website (I3IDP.org).

### ACS Spring 2021 Meeting Highlights

Councilors and national meeting attendees are encouraged to attend the ACS Undergraduate Student Chapter Awards ceremony being held prior to the ACS Spring 2021 Meeting on Friday, March 26, as well as the Undergraduate Research Poster Sessions, the Graduate and Postdoctoral Reception, and other sessions being scheduled for undergraduate and graduate students.

Questions and suggestions regarding SOCED activities, current and potential, can be sent to: education@acs.org.

Jennifer Nielson, 2020 Chair  
Carmen Gauthier, 2021 Chair

REPORT OF THE COMMITTEE ON SCIENCE

This report updates the Council on ComSci's activities since the Fall 2020 ACS National Meeting.

ComSci will meet virtually on Saturday, March 13 from 12:00-3:30 PM. At this meeting, the committee will consider revisions to the energy and hydraulic fracturing statements, which expire at the end of 2021.

The committee is organizing a symposium on "Chemistry and the Future of Plastics" at the Spring 2021 National Meeting. The Committee on Environmental Improvement is organizing a complementary symposium on "Plastics and the Oceans: Chemistry for the Journey Ahead." Both symposia are included as part of President H.N. Cheng's presidential programming during the spring virtual meeting. In addition, ComSci is organizing an ACS webinar on the plastics issue with speakers from Federal agencies. The webinar will be broadcast on April 28.

On behalf of ACS, ComSci submitted a nomination for the Dreyfus Prize, with a focus on environmental chemistry in 2021.

Martin G. Kocielek, Chair

## REPORT OF THE COMMITTEE ON ECONOMIC AND PROFESSIONAL AFFAIRS

The Committee on Economic and Professional Affairs (CEPA) continues to evaluate and implement the portfolio of career related programs, products, and services to ensure balance and alignment with Members' needs. CEPA continues to monitor and evaluate the current state of employment for ACS Members sharing this data at ACS local, regional and national levels.

Acting on the strategic plan established in 2017, CEPA has continued to focus on identifying, supporting, delivering, and evaluating, relevant programs; improving, updating, developing, curating and disseminating relevant policies and codes of conduct; and recommending, developing and evaluating critical resources and services to support our Members.

In 2020, CEPA, and the ACS Careers team, pivoted in a number of effective ways to serve our Members in the face of the pandemic. We responded quickly to the situation by rolling out three new programs/services by April 2020 – Virtual 1:1 Career Consultations, weekly Virtual Office Hours, and Virtual Career Days. Please see some details regarding each of these below.

- **Virtual 1:1 Career Consultations:** historically, most all interactions between ACS Career Consultants and Members took place at National Meetings. In response to the spring 2020 National Meeting cancellation, and to the pandemic more broadly, ACS purchased Zoom licenses for all Career Consultants that opted in (the majority of the group), and we began conducting virtual consultations with our Members via Zoom. We have had 350+ such consultations take place since April 2020.
- **Virtual Office Hours:** In these uncertain times (with increased concern around job security and prospects), we wanted to provide a standing time each week where Members could speak with our Consultants and network with fellow Members; to meet this need, Virtual Office Hours (VOH) was created. It began Thursday, April 23, 2020 and has taken place every Thursday since (outside of holidays). We have had 750+ attendees since implementation. We also use these weekly events to cross-promote other career-related program, products and services, train new Career Consultants, and keep our established Consultants actively engaged with the program.
- **Virtual Career Days:** Like 1:1 consultations at National Meetings, Career Days had historically taken place in-person at local sections. We typically have ~six of these events for our Members per year. Two took place in-person early in 2020. However, realizing that we would not be able to have these events in-person for the near future, we pivoted to these being virtual offerings. Since April 2020, we have had five Virtual Career Days with 750+ attendees.

For a full overview of ACS career resources, please read this [recent piece](#) the chair of CEPA wrote for C&EN.

CEPA continues to recruit and develop ACS Member volunteers wishing to serve as ACS Career Consultants. In 2020, 13 volunteers were successfully recruited, completed the review process and have been approved to serve as ACS Career Consultants. There were six custom-designed training courses developed and facilitated (virtually) in 2020 for both new and already-established Career Consultants. Cross training was provided to new Career Consultants by well-established Career Consultants via Virtual Office Hours.

Layoffs continue to be a priority for the committee. CEPA continues to work with ACS staff to provide information to ACS Local Section leaders about ACS resources that may be available to them should a mass layoff occur in their section. Any Councilors or Local Section Officers that knows of a layoff in their geography should contact [careers@acs.org](mailto:careers@acs.org) to discuss response options.

Eric A. Bruton, Chair

## REPORT OF THE COMMITTEE ON MEMBERSHIP AFFAIRS

The ACS Committee on Membership Affairs (MAC) remains focused on ensuring that our membership remains vibrant, relevant, and useful to chemical scientists and engineers worldwide. At this meeting, we are excited to present for your approval the culmination of nearly three years of work, research, and testing in the proposed 2022 Schedule of Membership.

ACS membership again grew to over 155,000 members in 2020—the third year of growth in a row—thanks to the extraordinary efforts of Society volunteers and staff utilizing myriad market tests. While we're delighted to be able to report the growth again, it remains essential to note that the underlying trends that have buffeted membership this last decade have not ceased. The number of regular members, and particularly industrial regular members, are declining precipitously and the market tests are unsustainable long-term. We continue to face headwinds from changes to how younger chemical scientists, engineers, and allied professionals want to affiliate with ACS, which have resulted in decreased joins and decreased dues. Should we fail to act now for a better future the number of members and dues revenues will continue to weaken.

The 2020 growth in the midst of a global pandemic and associated recession were majorly catalyzed by our Community Membership test. There are nearly 13,000 individuals participating in this market test and the results have been stellar to date.

These Community Members were offered a significantly scaled-down membership for no cost as they were engaged in another ACS transaction—in this case non-members registering for an ACS webinar. The service costs for this all-digital membership costs are minimal and not incremental in nature for we already were servicing them as customers. When presented the option to continue their Community status 99.9% opted to do so - showing us the value of this test for membership. The Community concept serves as a strong enticement for continued member affiliation with the Society and will go a long way to improving our renewal rates for all membership types.

Additionally, the market test introduced a new concept for ACS membership in upgrades from a less expensive to more expensive membership (with increased benefits). We are still learning best practices for such upgrades but of those Community participants to date 0.5% have decided to become full members. That acquisition rate is higher than standard leads (e.g., list buys) and at a fraction of the cost (dollars vs. hundreds-of-dollars for the standard practice). Because ACS itself has tens-of-millions of yearly non-member customers across all business units, the potential of the Community program to increase our membership numbers and revenues while lowering acquisition costs is significant. The time is now to make this a permanent part of the Society and as part of the proposed 2022 Schedule of Membership we are elated to propose the Community Associate concept for your action.

Furthermore, our research, tests, surveys, panels, and simulations have also shown benefits to offering an additional intermediate membership package, which balances the dues against the benefits provided and ensures that the flexibility that this Council requested is provided to our members. Additional details of the changes in the proposed Schedule of Membership are included in the explanation statement attached to that document.

An externally vetted model of our entire membership ecosystem and revenues has been built with expert consultation that allows a systems approach to how members, associates, and affiliates will move through these membership types. The results are extremely encouraging. This model shows that in all scenarios the total number of Members, Affiliates, and Associates will grow to over 700,000 by the end of the decade. This positions ACS to cultivate a strong community of chemists and allied professionals and potentially make us the world's largest Society of any discipline. Additionally while not the primary consideration, these same models show that gross dues revenue increases significantly over our current trajectory - strengthening our financial position and reversing the declines forecasted if we do nothing.



As part of our requirements to this Council, MAC is also pleased to report the status of our ongoing market tests which have all helped to both ensure the growth during the last few years, and provide the data and information which allows us to confidently recommend a new trajectory to ACS membership in the 2022 Schedule of Membership. These market tests are as follows:

1. **Community Test:** To explore increased engagement with ACS's large customer communities, the first test to jointly vary the benefits and dues of membership was chartered. In this Community Member market test, non-member webinar attendees were offered the opportunity to accept a Community Membership which provided a limited set of benefits at no cost. This test resulted in 13,000 new joins in 2020 and formed the basis for the recommend permanent Community Associate status.
2. **Membership Bundling:** ACS has a significant yearly reach of tens-of-millions of individuals within the scientific enterprise (authors, reviewers, readers, users, attendees, etc.), yet less than 1% of those individuals chose to affiliate as a member. Working across Publications, CAS, Education, and other Divisions of the Society to bundle membership with these potential members' engagements produced over 5,100 new members in 2020.
3. **Renewal Drives:** Marketing, mailing, and assorted renewal efforts each year cost ACS on the order of \$20-\$70 per member. Because of the significant renewal costs associated with each member, MAC has authorized a trial of renewal incentives at select events. Due to only virtual events in 2020 the participation of 61 was less than in previous years.
4. **Introductory Discounts:** MAC approved a market test which encourages individuals to become members by providing a discount on their first year. These offers are made at events attended by all branches of the Society and also online through experimental marketing campaigns. In 2020, over 800 joined through one such offer.
5. **New Graduate Multi-Year:** Building off the 1-year, 50% discount for new graduating Bachelor's students in the ACS governing documents, MAC chartered a test of an additional 3-year 66% offer for new graduates of all degree types (Associate, Bachelor, Master, and Doctorate). This resulted in 62 new students in 2020 and helped MAC identify the importance of the reduced student dues in the 2022 Schedule of Membership.
6. **Joint Memberships:** MAC remains interested in evaluating the effectiveness of joint membership and shared discounts with other Societies including NOBCCHE and AACT to date. In 2020 this test brought in over 2,000 members combined.
7. **Country-specific Dues Pricing:** In Spring 2019, MAC received approval from Council to extend this pricing model for another three years to further study its impact. The program provides discounts of 50%, 66%, or 75% for countries defined by the World Bank as upper-middle, lower-middle, or low income, respectively. In 2020, over 4,600 members were solely on this program.

In addition to these ongoing market tests, the committee also wants to remind all ACS members of the unique role they play in ensuring a vibrant ACS. Personal networking and sharing stories about the value that you find in ACS with potential members is a strong personal incentive to join the Society. While likely not sufficient on its own to fully address the recent trends in joins and departures, it goes a long way in reducing the burden on our initiatives. Thank you for all that you do.

Brian M. Mathes, Chair

### Schedule Explanation

ACS, like most professional associations, has been facing a decline of its regular membership base for the past decade. Over the past three years, the Committee on Membership Affairs (MAC) has been striving to change that trajectory through various market tests that while successful are not sustainable long-term. We asked—how can we engineer a system that provides greater flexibility to allow for faster, better, and more dynamic ways to deliver value to members? Heard over and over on the Council floor in Orlando and continued to emerge in discussions throughout the Society, we have collectively identified that *flexibility* is a solution to rally around.

After repeated surveys, focus groups, evaluations, panel discussions, personal conversations, and as exemplified in the Council special discussion we've validated that the ACS needs to increase the value of membership to attract and retain its members. Focus groups told us that the cost of becoming a member outweighed the benefits of joining or renewing. The transformative 2022 Schedule of Membership (SoM)—up for action at this Spring National Meeting—was developed in an all-encompassing, three-year process. Consisting of extensive, transformative market research validating the membership value hypothesis, collaboration with Council, Committees (B&F, C&B, Divisions, Local Sections), as well as Members, and various MAC tests to gather data on level of interest from current and future members, we aim to provide a new personalized and flexible experience for ACS members and potential members.

With the passing of the Petition on Benefits and Dues (approved in the spring of 2020), we have taken a giant step forward to allow the Society greater flexibility to respond more quickly to changing forces in the market and chemistry enterprise. However—the transformation cannot happen if we stop here. The 2022 SoM aims to clean up some of the complexity and red tape that currently exists in the governing documents but more importantly, will transform the way members and non-members interact with ACS by delivering more specific, relevant value to members, and capturing customers already using ACS products and programs to increase engagement. By shifting to deliver what our members need and desire, ACS will truly transform into a 21<sup>st</sup> century membership organization.

For 2022, MAC is proposing:

1. Three membership options:
  - a. Community Associate – A no cost option for customers of ACS and individuals deciding not to renew as a paid member. Built off a successful ACS market test, the Community Associate has restricted access to most ACS benefits but allows a closer affiliation to be built with customers of the Society while vastly reducing our acquisition costs.
  - b. Contributing Member - A mid-point membership that does not provide access to Publications and CAS benefits, meeting discounts, and the ACS webinar library making it much more sustainable to offer (and digital C&EN only). Research has shown interest in this option among chemists that are not currently members or who are transitioning between career stages. It provides an intermediate option for membership for those who do not find value in the full package.
  - c. Regular Member: A reduced price point of \$160 for the current full membership package with no changes to the benefits provided. A comprehensive pricing-value research study showed that revenue maximization would be realized for our current membership by offering a price-point below our current \$175 rate resulting in increased demand.
2. To streamline, all undergraduate and graduate students will receive a full set of benefits under reduced prices. The same pricing research above showed increases in student affiliation and MAC believes strongly in serving this important community and ensuring a strong pipeline of future members. To ensure this reduced price is more sustainable, only digital C&EN will be provided.
3. To provide clarity in eligibility for various existing discounts and waivers in light of the new proposed packages.

If approved by Council, all of the above changes will produce reduced individual dues for all current and new ACS members in the beginning of January 2022 and put membership on a trajectory to increased membership and dues over the next decade. MAC is very excited and optimistic that you will see the value of these changes and fully support this 2022 Schedule of Membership.

The Society Committee on Budget and Finance Subcommittee on Financial Impacts of Constitution & Bylaw Amendments met on January 15, 2021 to assess the petition with proposed changes to the 2022 Schedule of Membership. The Subcommittee proposed, and the full committee approved (via email ballot) on February 5, 2021, the following motion regarding the Petition to be presented to Council at its March meeting:

***The Society Committee on Budget and Finance has examined this petition and in the ‘most likely case’ concludes that it will have extraordinary positive financial impact (in excess of +\$1M) on the finances of the Society. Among all possible forecasted scenarios, none would have worse than no impact (\$0) on the finances of the Society.***

**FOR COUNCIL ACTION**

**Proposed 2022-2024 SCHEDULE OF MEMBERSHIP**  
**Version 11; January 27, 2020**

**I. DUES AND BENEFITS PROCESS**

1. The American Chemical Society strives to meet the challenge of continued and sustainable growth in membership through regular assessment of dues categories and benefits. To make membership in the Society a valued experience for its members, dues categories and benefits packages will be established based on the professional and personal benefits they provide to members at different stages in their careers and as their roles in the global chemistry enterprise evolve.
2. The Committee on Membership Affairs (~~MAC~~) shall assess member benefits annually, propose dues commensurate with those benefit packages, and submit its recommendations to the Committee on Budget and Finance, (~~B&F~~), ~~B&F~~ which shall conduct an analysis of the proposed dues and benefits packages to determine the financial impact on the Society. The recommendation for dues and membership benefits, and a statement of financial impact by the Committee on Budget and Finance ~~B&F~~, shall be submitted by the Committee on Membership Affairs ~~MAC~~ to Council for action at its spring meeting.
3. Dues for each category will be based on the fair-market value of each benefits package as outlined below in Section II. ~~The base rate for dues shall be calculated by multiplying the previous year's base rate by a factor that is the ratio of the revised Consumer Price Index for Urban Wage Earners and Clerical Workers (Service Category) for the second year previous to the dues year to the value of the index for the third year previous to the dues year, as published by the United States Department of Labor, with fractional dollar amounts rounded to the nearest whole dollar.~~ Annual base dues changes as recommended to Council may not exceed \$10 or 10 percent, whichever amount is greater.
4. Should the Council not act to replace the proposed dues and benefits packages as submitted, the dues and benefits of membership shall default to the last approved version.

**II. BASE DUES**

The ~~2022 2024~~ base dues rate will be US \$160 ~~as recommended by the Committee on Budget and Finance and approved by Council action.~~

**III. DUES CATEGORIES**

**1. Regular Member**

- a. Regular Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.
- b. The dues for Regular Members shall be the full dues rate.
- c. Regular Members are eligible for those discounts as outlined in Section IV of this document.

**2. Regular Member – Contributing**

- a. Regular Members – Contributing are entitled to a subset of the privileges and benefits offered by the SOCIETY as described below.
- b. The dues for Regular Members – Contributing shall be one-half (1/2) of the full base dues rate.
- c. Regular Members – Contributing shall be excluded from the following benefits:
  - i. They may not receive publications benefits.
  - ii. They may not receive Chemical Abstracts Service benefits including but not limited to complimentary search activities.
  - iii. They may not receive discounted registration rates for ACS meetings, workshops, and continuing education courses.
  - iv. They may not receive access to the ACS webinar recording library.

- d. Regular Members – Contributing shall receive digital access to the official organ of the SOCIETY. They are not entitled to receive the print edition.
- e. Regular Members – Contributing shall have a vote for elective offices of the SOCIETY and shall be eligible for elective office in the SOCIETY.
- f. Except as described above, Regular Members – Contributing shall have access to all other benefits as offered by the SOCIETY to its members.
- g. Regular Member – Contributing are eligible for those discounts as outlined in Section IV of this document.

### 32. Regular Member – Graduate Student

- a. Regular Members - Graduate Students are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.
- b. A member who is a graduate student majoring in a chemical science or in a related field of natural science, engineering, technology, or science education at an appropriately accredited educational institution, shall be entitled to a ~~discount rate of eleven thirty-seconds (11/32)~~one-half of the membership dues so long as the student is doing full-time graduate work. The dues so determined shall be rounded to the nearest whole dollar amount. “Full-time” is to represent any combination of course work, research work, and teaching that the institution considers a full-time load.
- c. Regular Members – Graduate Student shall receive digital access to the official organ of the SOCIETY. They are not entitled to receive the print edition.
- d. Regular Members – Graduate Student are eligible for those discounts as outlined in Section IV of this document.

### 43. Student Member

- a. STUDENT MEMBERS are members of the SOCIETY and, in accordance with the ACS Governing Documents ~~Standing Rules~~, shall be entitled to all privileges of membership except that of holding an elective position of the SOCIETY, its Local Sections, or its Divisions, and the privilege of serving as a Temporary Substitute Councilor; however, if the bylaws of the Local Section or Division so permit, a STUDENT MEMBER may hold an elective position of the Local Section or Division, other than Councilor or Alternate Councilor.
- b. A STUDENT MEMBER, upon affirmation to the Chief Executive Officer of qualification for such status, shall be entitled to a ~~discount rate of five thirty-seconds (5/32)~~five-sixths of the membership dues. The dues so determined shall be rounded to the nearest whole dollar amount.
- c. A STUDENT MEMBER shall receive ~~electronic digital~~ digital access to the official organ of the SOCIETY. A STUDENT MEMBER shall not receive print access to the official organ of the SOCIETY. ~~A STUDENT MEMBER wishing to receive a printed copy of the official organ shall pay an additional sum equal to one-half of the calculated per member amount of the allocation to the official organ described elsewhere in this Schedule of Membership, rounded to the nearest whole dollar amount.~~
- d. STUDENT MEMBERS are eligible for those discounts as outlined in Section IV of this document.

### 54. Society Affiliate Affiliates

- a. A Society Affiliate, who is not eligible to be a member of the SOCIETY, in accordance with the ACS Governing Documents ~~Standing Rules~~, shall retain affiliate status only so long as payment is made of Society Affiliate dues, which shall be equal to the full membership dues. ~~A Society Affiliate shall not be eligible for any of the special dues categories specified elsewhere in this Schedule of Membership.~~ Society Affiliates shall have the ~~following~~ privileges described in the ACS Governing Documents and the following benefits:
  - (1) Society Affiliates shall receive the official organ of the SOCIETY and may subscribe to SOCIETY publications at the same rates as members.

- (2) Society Affiliates shall be allowed to register and attend meetings (including regional meetings) of the SOCIETY at the same rates as members, and they shall be allowed to use all educational services of the SOCIETY at the same rates as members.
- (1) ~~Society Affiliates shall be assigned to an appropriate Local Section in the same manner as members as provided in the Bylaws, Standing Rules, and this Schedule of Membership. Society Affiliates may be assessed Local Section dues in the amount specified for Society Affiliates by the bylaws of that Section. In Local Sections, Society Affiliates may be appointed as Committee Chairs, if allowed by the Local Section bylaws, but may not hold an elective position of the Local Section, vote on Articles of Incorporation and bylaws of the Local Section, or serve as a voting member of its Executive Committee or equivalent policymaking body. In their bylaws, Local Sections may either provide or withhold the privilege of voting by Society Affiliates for an elective position (other than Councilor or Alternate Councilor) of the Local Section.~~
- (2) ~~Society Affiliates may become **Society Affiliates of any Division** unless specifically prohibited by the bylaws of the Division and shall be subject to such dues as are specified by the bylaws of that Division for Society Affiliates. In Divisions, Society Affiliates may be appointed as Committee Chairs, if allowed by the bylaws of the Division, but may not hold an elective position of the Division, vote on Articles of Incorporation and bylaws of the Division, or serve as a voting member of its Executive Committee or equivalent policymaking body. In their bylaws, Divisions may either provide or withhold the privilege of voting by Society Affiliates for an elective position (other than Councilor or Alternate Councilor) of the Division.~~
- c. Society Affiliates shall have no vote in the national affairs of the SOCIETY and shall not be eligible for any elective office in the SOCIETY. Society Affiliates shall be entitled to those privileges of the SOCIETY which are herein specified.
- d. Except as described above, Society Affiliates shall have access to all other benefits as offered by the SOCIETY to its members.
- e. Society Affiliates are eligible for those discounts as outlined in Section IV of this document.

## **6. Community Associate**

- a Community Associates are not required to pay annual dues to maintain status with the SOCIETY. The length of the Community Associate term is 12-months.
- b Community Associates may not concurrently benefit from any of the other Dues Categories defined elsewhere in this document.
- c Community Associates shall not be eligible for any of the discounts and/or waivers specified in the ACS Governing Documents or elsewhere in this document.
- d Community Associate shall have only the following privileges:
  - i Community Associates are entitled to receive SOCIETY newsletters as offered by the SOCIETY.
  - ii Community Associates are entitled to receive a weekly, abbreviated digest of the official organ of the SOCIETY, with links to stories of interest.
  - iii Community Associates are entitled to five additional downloadable articles from the official organ of the SOCIETY, beyond the number permitted for non-members of the SOCIETY.
  - iv Community Associates shall not be eligible to affiliate with a Division and shall not be eligible for any of the privileges specified in the Division's bylaws for members and/or affiliates. A Community Associate may attend and participate in a Division's open meetings and events.
  - v Community Associates shall not be assigned to a Local Section. A Community Associate may not affiliate with a Local Section and shall not be eligible for any of the privileges that are specified in a Local Section's bylaws for members and/or affiliates. A Community Associate may attend and participate in a Local Section's open meetings and events.

- e. Community Associates shall have no vote in the national affairs of the SOCIETY or in the affairs of any Local Section or Division. Community Associates shall not be eligible for any elective office in the SOCIETY or any of its Local Sections or Divisions.
- f. Unless specified above, Community Associates shall not have access to other benefits as offered by the SOCIETY to its members and/or affiliates.

#### 75. Retired Member

- a. Retired Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.
- b. A member who has accumulated at least thirty years of paid membership and is retired from full-time professional employment shall, upon request to the Chief Executive Officer and affirmation of such status, be entitled to a discount of one-half (1/2) of the membership dues for each year beginning on the member's anniversary date, and shall receive the official organ of the SOCIETY upon annual request.
- c. All members who, prior to January 1, 1986, had accumulated at least twenty-five years of paid membership shall be entitled to this privilege upon retirement from full-time professional employment.

#### 86. Emeritus Member

- a. Emeritus Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.
- b. A member of the SOCIETY who has accumulated at least thirty-five years of paid membership, who is retired from full-time professional employment, and is over seventy years of age, is eligible for emeritus status and upon request shall be given such status upon certification by the Chief Executive Officer. Such a member shall pay no membership dues, may receive upon annual request the official organ of the SOCIETY, and shall have all the privileges of membership that were held at the time of certification to emeritus status.

### **IV. MEMBERSHIP DISCOUNTS AND VARIATIONS**

1. **Multi-year Membership.** Regular Members, Regular Members – Contributing, Society Affiliates, Retired Members, Regular Members – Graduate Student, and STUDENT MEMBERS ~~Members~~ not requesting any of the discounts provided elsewhere in this Schedule of Membership may elect a dues period of one year, two years, or three years. The dues rate for two-year or three-year periods shall be two times or three times, respectively, the full annual dues rate established for the first year of the period. ~~Membership Discounts~~
2. **Disabled waiver.** A Regular Member, Regular Member – Contributing, Retired Member, STUDENT MEMBER, Regular Member – Graduate Student, or Society Affiliate ~~A member~~ who becomes totally disabled may be granted a dues waiver. To be eligible for a waiver, the member must have paid dues for at least ten years, have been disabled for at least one year, and furnish proof of the disability. The request for a waiver shall be made to the Chief Executive Officer annually upon receipt of the dues statement. The Committee on Membership Affairs, acting for the Council, shall resolve any member's appeal from adverse action on such a request.
3. **New Graduate Discount.** A person graduating with an associate degree, bachelor's degree, master's degree, or doctoral degree in a chemical science or in a related field of natural science, engineering, technology, or science education from an appropriately accredited educational institution, or one acceptable to the Committee on Membership Affairs, may apply for Regular MEMBER or Regular Member – Contributing status, by reclassification from STUDENT MEMBER or Regular Member – Graduate Student, and receive a half-year waiver of membership dues to begin at any time up to one year from the date of graduation.
4. **National Service Discount.** A Regular Member, Regular Member – Contributing, Retired Member, STUDENT MEMBER, Regular Member – Graduate Student, or Society Affiliate ~~member~~ who is serving actively in the Armed Forces of the United States of America or in another area of national service on temporary full-time duty of not less than one year nor more than four years may, upon request to the Chief Executive Officer with affirmation of such status, be entitled to a discount of one-half (1/2) of the membership dues for each year of such service beginning on the member's anniversary date.

5. **Spouse Discount.** Upon request from a Regular Member member who is the spouse of a Regular Member member, one of the two, with affirmation of their status to the Chief Executive Officer, shall be entitled to a reduction in membership dues equal to the prior year's per member permember allocation from dues revenue for the official organ of the SOCIETY in lieu of one subscription.

6. **Unemployed Waiver.** After at least one year of paid membership, a Regular Member, Regular Member – Contributing, or Society Affiliate member who is unemployed and is seeking full-time professional employment, upon request to the Chief Executive Officer and affirmation of such status, shall be entitled to an annual waiver of membership dues from the member or affiliate category they held at the time of the request. Such annual waiver shall commence on the member's anniversary date and may be renewed each year for a total not to exceed three years so long as this status is reaffirmed each year. This provision may be invoked again only after a period of full-time professional employment.

7. **Family Care Provider Discount.** After at least one year of paid membership, a Regular Member, Regular Member – Contributing, Retired Member, STUDENT MEMBER, Regular Member – Graduate Student, or Society Affiliate member who has elected to discontinue fulltime professional employment because of long-term obligations as a family-care provider, upon request to the Chief Executive Officer and affirmation of such status, shall be entitled to a discount of one-half (1/2) of the membership dues off of the membership dues rate for the member or affiliate category they had at the time of the request. Such discount shall commence on the member's anniversary date and may be continued for up to an additional two years so long as this status is affirmed annually. This provision may be invoked again only after a period of fulltime professional employment.

#### V. AMENDMENTS TO THE SCHEDULE OF MEMBERSHIP

1. Except for dues that are set by Council, in accordance with the Constitution, Bylaws, and Standing Rules of the SOCIETY, ~~ten~~ 10 members or five voting Councilors may submit proposed amendment(s) to this Schedule of Membership to the Committee on Membership Affairs by written petition, at least five weeks prior to the committee's next official meeting. The Committee on Membership Affairs shall consider the proposed amendment(s) at an official meeting and may approve the amendment(s) by a majority affirmative vote, with concurrence by the Committee on Budget and Finance. After the meeting, the committee shall include the amendment(s) in the next release of the this Schedule of Membership.
2. If the proposed amendment(s) are not approved by the Committee on Membership Affairs, the decision may be appealed to the Council Policy Committee by written petition of 25 voting Councilors at least eight weeks prior to the next Council meeting. The Council Policy Committee shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. If approved, after the meeting, the Council Policy Committee will mandate that the Committee on Membership Affairs include the amendment(s) in the next release of the this Schedule of Membership.
3. If the Council Policy Committee does not approve the proposed amendment(s), an appeal may be brought to the Council floor for action if at least three-tenths (3/10) of voting Councilors agree to its consideration. The Council shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. If approved, after the meeting the Council will mandate that the Committee on Membership Affairs include the amendment(s) in the next release of the this Schedule of Membership.

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## REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

### Fall 2020 Meeting & Expo

On June 9, 2020, the Society announced that the Fall 2020 Meeting & Expo would take place 100% virtual. At that time, there were 7,574 abstract submissions. The final withdrawal rate, post virtual meeting announcement, was 45%, resulting in 4,143 final abstracts presented during the Fall 2020 virtual meeting. The meeting attracted just over 6,500 registrants with 70 exhibitors and sponsors combined. Similar to our in-person meetings, 80% of the registrants were ACS members. The meeting's global reach continued with nearly 20% of the registrants hailing from 60 countries. First-time registrants represented one-third of total attendees, which is higher than our in-person meetings rate of typically 10%.

### Spring 2021 Meeting & Expo

Lessons learned from our 2020 experience serves as a foundational guide as we develop plans for the Spring 2021 virtual meeting. The goal is to deliver innovative scientific research in an engaging environment for both presenters and attendees. The Meetings & Exposition Committee (M&E) and the Divisional Activities Committee (DAC) have launched a joint task force to evaluate, recommend, and provide input into the design of the ACS Spring 2021 meeting to ensure a successful meeting experience for all. Members include representatives from M&E, DAC, MPPG, and Division Program Chairs.

The virtual platforms allows for the ACS Spring 2021 meeting to offer dual tracks, which will be live and followed by on-demand. The live events, scheduled for April 5-16, will deliver 3,600 hours of technical session live content. These sessions will be recorded and serve as the on demand track that will run from April 19-30. Attendees will have the opportunity to visit the meeting platform as often as they want to access more than 3,000 hours of content.

### Specialty Meetings

The COVID-19 crisis resulted in the termination or rescheduling of seven specialty meetings. Through careful negotiations with venues and vendors, DMES staff was able to confirm that for all seven meetings there was no financial penalty for changes to the contracts, which resulted in total elimination of cancellation fees. The specialty meetings team also continues to provide support for the December 2021 Pacificchem meeting, rescheduled from December 2020 due to COVID-19.

### Regional Meetings

ACS regional meetings staff developed several resources and initiatives to support those planning regional meetings. Additionally, the team hosted two virtual town hall meetings with an emphasis on offering best practices and lessons learned from terminated or postponed 2020 regional meetings. The newly implemented Virtual Meeting Support Pilot Program for Regional Meetings was one of several prepared resources to give guidance on successful strategies to transition from an in-person to a virtual or hybrid regional meeting.

Rick Ewing, Chair

## REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

To address the changes in national meeting structure necessitated by COVID-19, the Committee on Divisional Activities (DAC) sponsored a series of informational and listening sessions with Division Program Chairs and other interested division and committee leaders. Topics included information on the rapidly evolving national meeting formats and included Q&A with participants to discuss. In addition, DAC partnered with the Committee on Meetings and Expositions to establish a Virtual Meeting Task Force charged to evaluate, recommend, and provide input to the design of the ACS Spring 2021 meeting to provide a cutting edge and engaging meeting experience.

DAC's Divisional Enhancement and Outreach Committee revised the scoring rubric for Innovative Project Grants (IPGs) and Strategic Planning Grants. The IPG scoring criteria now include: innovation, impact, leveraging resources, sustainability, and inclusiveness. The new scoring rubric and some tips and suggestions are posted online. The next deadline for applications is July 15, 2021.

DAC organized the "Division Leaders Track" for the kick-off weekend of the 2021 virtual ACS Leadership Institute Experience for newly appointed division leaders. Thirty-five leaders from 24 divisions participated. Follow-up sessions are scheduled in March and June.

At least once every three years, at a spring national meeting, DAC is required to bring to Council a formula for allocating dues funds for the divisions. Division activities held at national meetings are integral to the current formula, however the meeting landscape has changed and quantifying those activities in the manner required by the formula is currently difficult. DAC established a modified formula using a three-year average of historical data to determine division allocations for 2021.

To address the upcoming 2022–2025 division allocations, DAC established a 2022–2025 Transitional Allocation Formula Working Group to gather information, consider input, and run simulations based on historical data. Three virtual meetings were held to gather input from new and current division leaders in addition to a series of meetings with the full DAC committee. From the input received, the transitional allocation formula should: be transparent; be immediately implementable; work for virtual, hybrid meetings or in-person meetings using current technology platforms and capabilities; avoid dramatic swings in the year-to-year allocation amount; encourage efforts to increase division membership; encourage national meeting attendance; and support strategic planning and society initiatives. The committee is seeking Council approval at the Spring 2021 meeting for a proposed 2022–2025 allocation formula; details on the formula appear on pages 91-92 of this Council agenda.

James M. Takacs, Chair

**FOR COUNCIL ACTION**

**Approval of the Distribution Formula for Division Funding**

Division activities held at national meetings are integral in the current allocation formula, however the meeting landscape has changed and quantifying those activities in the manner required by the current formula is now difficult or not possible. In particular, robust data required for two components of the formula, ranked attendance at oral sessions and poster counts, are not available for the recent virtual national meetings. DAC established a modified formula using a three-year average of historical data in place of the actual programming components for the number of posters presented and qualified attendance at oral talks to determine division allocations for 2021.

To address the upcoming 2022–2025 division allocations, DAC established a Transitional Allocation Formula Working Group to gather information, consider input, and run simulations based on historical data to assess the potential impact of redistributing percentages across the various components. Virtual meetings were held to gather input from new and current division leaders in addition to a series of meetings of the full DAC committee. Priorities for the transitional allocation formula include that it: be transparent; be immediately implementable; work for virtual, hybrid meetings or in-person meetings using current technology platforms and capabilities; avoid dramatic swings in the year-to-year allocation amount; encourage efforts to increase division membership; encourage national meeting attendance; and support strategic planning and Society initiatives. This is expected to be a transitional formula with revisions expected as the meeting landscape evolves.

ACS Standing Rules state that 9% of the ACS Member Dues Pool be allocated to the technical divisions. This 9% pool is further subdivided according to the allocation formula and distributed based on a division’s participation in each category. As stated in the standing rules, the allocation formula “shall include a base allotment, an allotment tied to total (division) membership, and distributions based on other factors such as programming, Society initiatives, strategic planning and Board directives. The current and proposed formulas appear below.

<b>Allotment Category</b>	<b>Current</b>	<b>Proposed</b>
Innovative Project and Strategic Planning Grants:	10.0%	15.0%
Base Allotment for each Division:	15.0%	17.5%
Per Division Member Allotment:	<sup>a</sup> 12.5%	17.5%
<b>Spring and Fall Meetings Components</b>		
# of Division Members at national meetings:	<sup>a</sup> 15.625%	50.0%
# of Oral Session In-person Attendees at national meetings:	<sup>b</sup> 31.25%	0%
# of In-person Posters presented at national meetings:	<sup>b</sup> 15.625%	0%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

<sup>a</sup> Members of multiple divisions are counted as a full member of each division. <sup>b</sup> For the 2020 distribution year, distribution is based on 2017–2019 averaged data.

A series of simulations using three-year historical data was used to arrive at the proposed allocation formula. It is intended that in the absence of meeting poster/oral data, meeting registration can be weighted more heavily as a measure of national meeting participation by division members. The committee also recognizes that most divisions are exploring and implementing a variety of new strategies to engage members outside of the national meeting venue. Increasing the base allotment and per member allotment

are intended to support such efforts. The intent is similar for increasing the pool available to fund Innovative Project Grants and may permit greater scope. In addition, increasing this pool will make additional funds available to support division strategic planning, a critical element for which increased levels of support are needed. Finally, to provide some stability and give divisions a chance to adjust to the new formula, the year-to-year gain or loss in a division's allocation is capped at 7.5% in the proposed formula. Funds from the IPG category will be used to supplement any overall shortfall resulting from the gain/loss limit.

The proposed allocation criteria will be in place for the 2022–2025 allocation distribution years, but DAC will review allotment categories on a yearly basis and may propose adjustments. If you have any feedback for DAC regarding this proposal, please direct it to James Takacs (jtakacs1@unl.edu). Thank you.

## REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities hosted the Local Section Leaders track during the kick-off weekend of the ACS Leadership Institute Experience on January 9-10, 2021. All incoming chairs-elect, as well as other interested local section officers, were invited to attend this important training. A total of 142 delegates representing 91 local sections participated in plenary sessions, track workshops and networking sessions during the kick-off weekend. LSAC plans to reconvene local section track participants for additional training and networking in March and June.

LSAC is pleased to report the following progress since the Fall 2020 Council Meeting:

- Twenty-nine Innovative Project Grants (IPGs) were submitted in 2020. Of those, LSAC approved 24 IPGs for a total of \$68,050. The IPGs, now in their 18<sup>th</sup> year, will continue in 2021 with a budget of \$84,000. Local sections are encouraged to submit proposals for the June 30, 2021 deadline. Program information and grant applications are available at [www.acs.org/getinvolved](http://www.acs.org/getinvolved) (click on "Local Section Volunteer Resources" and then "Funding and Financials").
- Sixteen of the 17 applications for the Members Engaging Through Technology (METT) Grants were awarded a total of \$26,657. The METT grant aims to assist local sections to harness technology in order to engage members, to fulfill section's goals and activities, and to improve member recruitment efforts.
- LSAC piloted a Diversity Inclusion and Respect Grant program in the Fall of 2020. A total of 19 grant applications were received and total funding of \$31,880 was awarded to 16 local sections.
- LSAC awarded \$2,000 grants to six local sections that wish to host ACS Leadership Development System Strategic Planning Retreats 2021. In addition, to the LSAC grants, these six local sections will receive supplemental funding to support their retreats as part of an ACS Board of Directors, Strategic Planning Committee's pilot program.

As part of an official meeting held by the committee in December, 2020, LSAC voted to unanimously approve the petition to Amend the Duties of the Committee on Local Section Activities. Specifically, the petition seeks to provide LSAC with the authority to support Local Sections by taking action on their behalf, including appointing an interim executive committee and/or facilitating a Local Section's election when there is a lapse in the local section's leadership. This petition will be voted on by Council for action at this meeting.

W. Matthew Reichert, Chair

**FOR COUNCIL ACTION**

**ORIGINAL**

**FOR FUNCTION COMMITTEE ACTION**

**Petition to Amend the Duties of the Committee on Local Section Activities**  
(AMENDMENTS TO THE STANDING RULES)

**Standing Rule VII, Sec. 1, b**

**Petition**

We, the undersigned, voting members of the American Chemical Society Committee on Local Section Activities, hereby petition the Committee on Committees to amend the SOCIETY Standing Rules as follows (additions **underlined**; deletions ~~struck through~~):

**STANDING RULE VII**

**Units (Local Sections, Divisions, International Chapters) Function**

**Section 1.**

**Local Sections Function**

a. **The Committee on Local Section Activities shall be responsible for the Local Sections Function.**

b. The duties of the Committee on Local Section Activities shall include the following, *inter alia*:

(1) study and make recommendations to the Council concerning SOCIETY policy affecting the interests of Local Sections;

(2) assist Local Sections in coordinating their efforts with SOCIETY and Division activities;

(3) promote both formal and informal cooperation and communication of Local Sections with Divisions and other Local Sections;

(4) explore possibilities of assisting Local Sections in enriching their program of activities;

(5) receive reports on and rate the effectiveness of Local Section activities;

(6) receive, consider, and make recommendations to the Council concerning petitions for chartering new Local Sections and for changes in territory or name;

**(7) take such actions as necessary if any Local Section has an inactive Executive Committee such as to appoint an interim Executive Committee or facilitate the Local Section's elections;**

~~(87)~~ make recommendations to the Council concerning combining or dissolving Local Sections;

~~(98)~~ study the needs for financial support of local activities in relation to the SOCIETY's program and make recommendations to the Council concerning proper allotments for this purpose;

~~(109)~~ determine the formula for distribution of dues funds allocated to Local Sections as provided elsewhere in these Standing Rules and conveying that formula for approval by the Council;

~~(114)~~ act for the Council in resolving any member's appeal from adverse action on a request for assignment to a Local Section in accordance with the provisions of these Standing Rules; and

~~(124)~~ act for the Council, in collaboration with the Committee on Constitution and Bylaws, to approve the affiliation of Local Sections with other technical organizations.

**Explanation**

The Committee on Local Section Activities (LSAC) seeks to amend the committee's duties that are in the Standing Rules.

On occasion, Local Sections experience challenges when their elected governing body experiences a lapse in leadership. This situation can occur due to resignations, ineffective succession planning, or failure to conduct elections, among other reasons. When this occurs, a Local Section may be without a duly elected Executive Committee and unable to fulfill certain responsibilities outlined in their bylaws. This petition seeks to provide LSAC with the authority to support Local Sections by taking action on their behalf, including appointing an interim executive committee and/or facilitating a Local Section's election if necessary.

## REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS

Since the 2020 fall virtual Council meeting (originally scheduled for San Francisco), the Committee on Constitution and Bylaws (C&B), acting for the Council, issued 11 certified bylaws to nine Local Sections, one Division, and one International Chemical Sciences Chapter: Central Massachusetts, Central Wisconsin, Chicago, Dayton, North Carolina, Rochester, Savannah River, South Florida, and Wabash Valley Sections, SCHB Division, and Israel International Chapter. C&B also reviewed seven proposed bylaws. Certified bylaws are available online at [www.acs.org/govdocs](http://www.acs.org/govdocs) (click on unit bylaws).

To update your current bylaws, either use the model bylaws or the questions document; both methods give the same results. These documents and other useful information such as all certified bylaws, status reports, and links to other documents are available at [www.acs.org/govdocs](http://www.acs.org/govdocs). Contact C&B at [bylaws@acs.org](mailto:bylaws@acs.org) for assistance in updating your bylaws.

The January 1, 2021 edition is available at [www.acs.org/govdocs](http://www.acs.org/govdocs) along with a detailed summary of changes.

Although there are no petitions for amendments to the Constitution and Bylaws, the following petitions to amend the Standing Rules and the Schedule of Membership will be up for action by Council at the spring 2021 meeting: Petition to Harmonize Committee Structures, Processes, and Terms, and the Petition to Amend the Duties of the Committee on Local Section Activities.

New petitions to amend the Constitution or Bylaws must be received by the Executive Director ([bylaws@acs.org](mailto:bylaws@acs.org)) **by May 5** to be included in the Council agenda for the fall 2021 meeting in Atlanta, GA. New petitions to amend the Standing Rules should be submitted by June 21. However, for all petitions, we suggest that drafts be sent to C&B at least one or two months before these deadlines so that we can assist with petition requirements and ensure that the wording is in accordance with the ACS Governing Documents.

ACS members are invited to attend C&B's open meeting on Sunday, March 14, from 1:30 – 2:00 pm. The committee will give a brief status report and will be happy to respond to your questions. If you cannot attend the meeting and have any questions, please contact us at [bylaws@acs.org](mailto:bylaws@acs.org).

Donna G. Friedman, Chair

A. Chemical Safety  
(joint with Board)

During its Fall meeting, the Committee on Chemical Safety voted to adopt a new strategic plan that included restated mission and vision statements and identified four key goals.

**Committee on Chemical Safety (CCS) Strategic Planning**

**Mission:** CCS provides collaborative leadership and resources to advance chemical safety.

**Vision:** A scientific community that embraces safety in all activities of the chemistry enterprise.

**Goal 1:** Foster partnerships to advance safe chemistry.

**Goal 2:** Compile chemical safety resources that are current, well managed and authoritative.

**Goal 3:** Ensure effective dissemination of high quality chemical safety resources.

**Goal 4:** Optimize CCS structure and operations to meet strategic goals and ongoing responsibilities.

Specific strategies are being address by three subcommittee: Education, Partnerships and Emerging Issues.

**Safety Guidance**

In collaboration with the National Nanotechnology Initiative, the committee revised its guidance related to working safely with nanomaterials in laboratories. This guidance briefly describes the foundation of safe handling of nanomaterials and includes an extensive list of additional resources. The guidance can be accessed at:

<https://www.acs.org/content/acs/en/about/governance/committees/chemical-safety/publications-resources/nanotechnology-safety-resources.html>

In collaboration with the National Science Teachers Association (NSTA) and American Association of Chemistry Teachers (AACT) the committee prepared a template of a *Student Laboratory Code of Conduct Acknowledgment Form* for consideration by chemistry teachers in concert with administrators and the school board as they design safety protocols for student behavior in their chemistry laboratories and other locations where chemicals are in use. This new resource can be accessed at:

<https://www.acs.org/content/acs/en/chemical-safety/teach-and-learn/sample-guidelines.html>

The committee also revised its *Recommendation for Sharing, Cleaning, and Disinfecting Safety Goggles and Glasses, which can be found at:*

<https://www.acs.org/content/dam/acsorg/about/governance/committees/chemicalsafety/publications/acs-goggle-safety-2020.pdf>

***Journal of Chemical Education (JCE)* focuses on Chemical Safety Education: Methods, Culture and Green Chemistry**

Many committee members contributed to this special safety issue, which includes more than 30 papers ranging from broad ideas about chemical safety education to more concrete way to educate students in chemical lab safety. Topics of the papers include resources, green chemistry, safety culture, and pedagogy. It truly is a resource that encourages looking at safety with renewed perspectives and it can be accessed at:

<https://pubs.acs.org/toc/jceda8/current>

The committee has provided its support to the new on-line chemical safety course entitled “Foundations of Chemical Safety and Risk Management for Chemistry Students”, that has just gone live. The intended audience are students who completed at least two semesters of General Chemistry with lab and one semester of Organic Chemistry with lab. The course is being offered at no charge to the community. The registration is now open for enrollment at: <https://learning.acs.org/course/view.php?id=733>



**CCS Safety Advisory Panel Annual Meeting**

The CCS Safety Advisory Panel (SAP) is a technical environmental, health, and safety resource for the CCS and ACS as a whole in addressing emerging and complex chemical safety and regulatory issues on an as needed basis. The SAP is part of the CCS Emerging Issues Subcommittee. This group usually meets annually, however, in 2020 the SAP met virtually three times to work on the following projects: 1) a Chemical Safety Information white paper 2) the *e*-RAMP platform and 3) the CCS strategic partners. A brief description of each of these projects follows.

The white paper on Chemical Safety Information intends to address important challenges for the health and safety community. These include the availability of quality information, education on chemical safety terms in order to increase the ability of users to interpret and assess hazards, the role of regulatory agencies in establishing expectation for what is available, and its interoperability between sources.

The SAP group working on the *e*-RAMP project is considering a web-based platform called ThinkDemic. This platform helps to develop critical thinking skills by giving students scenarios and then guiding their problem solving through collaboration. The SAP, in collaborations with the Division on Chemical Health Safety (CHAS), is planning to develop an interactive experience for students in which they conduct a Job Hazard Analysis that includes elements of RAMP (Recognizing Hazards, Assessing Risks, Minimizing Risks and Preparing for Emergencies).

And finally, a third group of the SAP, Strategic Partners, was asked to identify potential stakeholder organizations having similar missions and to assist in developing collaborations with them. These partnerships have the potential to utilize CCS liaisons more effectively and allow the ACS to reach broader audiences. These potential collaborations will be discussed further during upcoming meetings of the Partnership Subcommittee and the full CCS.

Ralph Stuart, 2020 Chair  
Kirk Hunter, 2021 Chair

B. Community Activities  
(joint with Board)

Despite the continuing COVID-19 pandemic, the Committee on Community Activities (CCA) remains committed to engaging the public in chemistry. In conjunction with the virtual Fall 2020 meeting, a virtual ACS Kids Zone event was hosted. Four presenters recorded themselves doing four activities, then engaged with the public over social media during the broadcast. Four additional presenters led the same activities and engaged with the public on social media in Spanish. Activity guides and list of needed supplies, as well as recordings of both events, can be found at [www.acs.org/kidszone](http://www.acs.org/kidszone). The success of this event has led the committee to plan to host a similar experience in April as a halo event for the ACS Spring 2021 meeting. CCA plans to host its usual Theme Team, Subcommittee, Executive, and joint Open Meeting(s) with the Local Section Activities Committee before the technical programming planned for ACS Spring 2021.

National Chemistry Week (NCW) 2020 was converted to an all-virtual campaign in light of the continuing COVID-19 pandemic. CCA applauds the 140 local sections who participated in the campaign, and welcomed the participation of nine international chemical sciences chapters for the first time. Digital engagements increased across all metrics, and the continued success of the digital Illustrated Poem Contest has led the committee to discuss what aspects of the program can remain digital in the future.

Chemists Celebrate Earth Week (CCEW) 2021 will have the theme “Reducing Our Footprint with Chemistry.” Resources will launch to support this fully virtual campaign on February 1, 2021. All local sections and international chapters are encouraged to name coordinators and plan virtual celebrations.

CCA welcomes participation of any ACS member on NCW and CCEW Theme Teams for 2021 and beyond. Please contact [outreach@acs.org](mailto:outreach@acs.org) for more information.

Holly L. Davis, Chair

C. International Activities  
(joint with Board)

In fulfillment of its duties and responsibilities to the Society, the ACS Joint Board-Council Committee on International Activities (IAC) is responsible for managing and monitoring ACS International Chemical Sciences Chapters (ICSC) activities, studying and recommending appropriate participation and cooperation for the Society in international undertakings pertaining to chemical education, professional activities, and scientific matters of interest to chemists and chemical engineers, and coordinating its efforts with those of other organizations. Through the dedicated volunteer time and talents of IAC members and associates, the committee continues its work to help ACS be more welcoming to chemists and allied scientists and engineers with global interests and advance strategies to serve the international priorities of the Society. Some notable highlights for IAC at the beginning of 2021:

1. IAC conducted virtual meetings in July and August 2020 for committee business. The IAC Open Session took place August 5; the agenda included outcomes from IAC subcommittee meetings, Membership Affairs Committee (MAC), IUPAC, ACS career panels, ACS efforts related to immigration and research security policy, and the Malta Foundation. The IAC Executive Session was held virtually on August 10; the agenda included outcomes from IAC subcommittee meetings. Presentations without any action items included strategic plan updates and Council Policy Committee (CPC). Presentations with action items included updates to IAC grants, a proposal for a new Chemluminary award, a revised visa policy statement, and review of an ACS International Chapter application from Israel.
2. IAC continues to pursue its strategic plan activities. The mission of IAC is enabling diverse communities of chemical practitioners worldwide to achieve their goals. Significant activities took place in strategies related to:
  - The internationalization of National Chemistry Week (lead by the Committee on Community Activities)
  - Establishing a Local Section & International Chapter “sister” partnership program based around the SDGs
  - Continued regional calls with International Chapter leaders (additional information below)
  - Development of a survey for International Chapter leaders
  - A proposal for future Council representation for CPC

The efforts of the IAC to achieve its goals will continue throughout 2021.

3. On August 28, IAC co-hosted a virtual luncheon with MAC featuring then ACS president-elect HN Cheng on Friday, August 28. H.N. presented on his vision and priorities for ACS international membership during his 2021 presidency. A variety of members from the two committees as well as ACS staff attended the session.
4. The regional calls were arranged in November and December between IAC subcommittee members and ACS International Chapter leaders. ACS President-Elect H. N. Cheng and ACS Board Director-at-Large Ingrid Montes also participated in these discussions. The purpose of these calls is to increase communication and collaboration between International Chapters.
5. IAC continues to promote co-alignment between ACS International Chemical Sciences Chapters, ACS International Student Chapters, and other relevant ACS entities active outside the U.S.
6. IAC appointed three new liaisons to the following ACS committees: Committee on Local Section Activities (LSAC), Committee on Community Activities (CCA), and Committee on Membership Affairs (MAC).
7. In September 2020, the ACS Board of Directors approved the establishment of an ACS International Chemical Sciences Chapter in Israel, bringing the number of ACS International Chapters to 25.

Jens Breffke, 2020 Chair  
Sergio Nanita, 2021 Chair

#### D. Nomenclature, Terminology, and Symbols

In support of NTS's mission to educate, facilitate and advocate for the use of chemical representations that support a universal understanding of chemistry, here are highlights of some of the work the committee has been doing on projects in support of two of our three goals.

Goal 2: Facilitate the interaction of chemists to implement appropriate chemical representations.

NTS, in collaboration with the Braille Authority of North America (BANA) worked with visually impaired chemists to standardize the Braille code for chemistry. Through this collaboration, NTS & BANA are working to improve the ability of the code to represent chemical structures in a standardized way and increase the usage of the code through advocacy and outreach. A team of Braille translators are meeting weekly to review the code to ensure consistency with Braille requirements. The Braille committee will meet this spring. One area of challenge in finalizing the chemistry code is the interplay between Chemistry and Math. The Math code is currently being updated and consistency of mathematical representation is needed between the 2 codes.

An initial meeting has occurred to discuss how NTS could support the development of standards for chemistry sign language. This spring, further discussions among the parties are scheduled to determine next steps and potential project scope.

Goal 3: Advocate for the use of a common language of chemistry

NTS completed a stakeholder map and engagement model for identifying the key organizations both within ACS along with the broader chemical community that are key partners for our committee. We are currently working on implementing of the engagement model as part of standard committee activities.

In addition to the committee's direct work supporting these goals, a project was undertaken to update the committee's website to be in alignment with the new ACS structure and format. This work was been completed and a new committee website has been launched.

Michelle M. Rogers, Chair

E. Public Relations and Communications  
(joint with Board)

The Joint Board-Council Committee on Public Relations and Communications (CPRC) continues to focus on providing tools and resources for ACS members, local sections and divisions to more effectively communicate their activities and the value of chemistry to a variety of audiences. We have been working hard on the following:

- During the fall virtual national meeting, CPRC gathered by Zoom on two different occasions. We first met early in the fall to catch up, more formally welcome our new associates and set goals for the different subcommittees and working groups. Then, later in the fall, we gathered to report on successes and accomplishments, especially as they pertained to the goal and strategies established in our new strategic plan.
- In 2020, the committee celebrated the 25<sup>th</sup> anniversary of the Helen M. Free Award in Public Outreach. To celebrate, the Successful Practices Subcommittee wrote and published an article in *In Chemistry* communicating “Successful Outreach Practice Ideas Inspired by the Helen Free Award.”
- Also, last fall we celebrated Lydia M. Hines, the Helen M. Free Award in Public Outreach awardee for 2020. Lydia gave a very special presentation to the committee during our final fall Zoom meeting.
- CPRC is looking forward to celebrating freelance writer Sam Kean, the 2021 winner of the James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public during this current virtual meeting.
- CPRC Public Relations Makeover Initiative is continuing to respond to requests for help from local sections, divisions and committees. The makeovers are led by the PR Makeovers Working Group. Interested groups should contact us at [CPRCMakeovers@gmail.com](mailto:CPRCMakeovers@gmail.com).
- Any section that needs help communicating with public audiences is urged to contact CPRC staff liaison Elizabeth Zubritsky for assistance ([PR-comms@acs.org](mailto:PR-comms@acs.org)).

Amber F. Charlebois, Chair

F. Publications  
(joint with Board)

The President of ACS Publications provided an overview of developments through 2020, with a particular focus on COVID-19 impacts. He presented an overview of the Division's Open Access strategy and confirmed the plan to launch nine new open access journals in 2021, as approved by the Governing Board for Publishing.

The journal monitoring reports for *ACS Nano*, *ACS Chemical Biology*, *Analytical Chemistry*, *Biochemistry*, and *Journal of Chemical Theory and Computation* were presented, discussed thoroughly, and accepted with thanks. Editor reappointments were reviewed and recommendations to the ACS Board were made.

In the past six months, *Chemical & Engineering News* (C&EN) has been very active at covering COVID-19 related topics and topics related to diversity in chemistry. C&EN has launched several important initiatives including: "C&EN Essential", which aims to create flexible membership offerings and encourage chemists to stay engaged with the community; integration of C&EN with CAS products, which will bring nonmember users to the magazine, and joint editorial initiatives and events with the ACS Education Division. C&EN has established a diversity committee, which among other activities, provides training, defines expectations for inclusive language, and works on improving the hiring process making it more inclusive.

The committee and staff expressed their sincere appreciation to Dr. Julia Laskin for her outstanding service as chair of the Joint Board-Council Committee on Publications (JBCCP). The committee and staff also thanked Dr. Robert Ofoli for his long-standing service and contributions to the JBCCP.

Julia Laskin, 2020 Chair  
Jerzy Klosin, 2021 Chair

G. Senior Chemists  
(joint with Board)

Goals that are underway for the Senior Chemists Committee (SCC) reflect new initiatives, new outreach, and new membership. The committee ended 2020 having established a Working Group that will be leading two projects in 2021 to address systemic racism – a fundraising campaign for the ACS Scholars Program Endowment and online chemistry presentations for middle schools in underrepresented communities. This all emerged from feedback received from the SCC webinar held to discuss ways to promote diversity across the chemistry enterprise, which is aligned with ACS's Core Values and its new goal on diversity, equity, inclusion, and respect. The ACS Scholars campaign started as a pilot on November 24 – current and former SCC members (including the Silver Circle) were encouraged to donate. More than 25 donations were made as of January 2021. The campaign will be extended to a broader audience of senior chemists this year.

*The Newsletter for Senior Chemists* moved to a new online platform and remained on schedule with the release of its fall issue on November 23, 2020 with a 30% opening rate: Senior Chemists – Resilience during the Pandemic, Getting Involved, and Finding Joy on the Journey.

Local Sections funded by the SCC Mini-Grant program last year were encouraged to host virtual events due to onsite restraints posed because of COVID-19. The Indiana section held a Senior Chemists Mentorship Program with 60 participants to encourage more student involvement with ACS. The program was so well received the section has decided to continue it this year. The Kentucky Lake section hosted an “Interviews with Senior Chemists” activity and the Georgia section held a “Junior-Senior Chemists Recognition” program.

Just ahead of the ACS 2021 Spring Virtual National Meeting, SCC will host a Social Hour Virtual Event on “How to Embrace the New Norm and What That May Look Like” on Tuesday, March 30. ACS Expert Dr. Frankie Wood-Black, Instructor at the Northern Oklahoma College and Principal of Sophic Pursuits, Inc. will be a featured speaker. The program will focus on how COVID-19 has changed the ways in which we communicate, learn, and meet; how it has impacted senior chemists' ability to travel and do volunteer work; and how to adjust and thrive amid the challenges. SCC and the Younger Chemists Committee (YCC) will host the “Networking with Chemistry Professionals & Students” virtual event on Sunday, March 21. Plans are also underway for a “Planning for Retirement” symposium sponsored by the ACS Division on Professional Relations and cosponsored by SCC.

SCC and YCC continued their collaborative spirit with the establishment of a Co-Mentorship Program. Mentoring partnerships between YCC and SCC members began in January 2021. Senior chemists will share information on their experiences, expertise, and networks; and younger chemists will share information on new platforms for communicating, technology, and how careers have changed.

Arlene A. Garrison, Chair

### H. Technician Affairs

The ACS Committee on Technician Affairs (CTA) Spring meeting will be held on Sunday, March 7, 2021 with an open meeting at 12:15 pm eastern time. In the Fall, the committee met with a quorum on Sunday, August 16, 2020 with a shortened agenda. The subcommittee meetings were conducted in separate calls.

CTA awarded the 2021 National Chemical Technician Award to Nita Xu of the Dow Corporation. Nita's accomplishments will be highlighted in a C&E News article, CTA LinkedIn and Twitter channels, and the ACS Industry manners newsletter. The committee selected and recognized the Midland local section as the recipient for the 2020 ChemLuminary, "*Best Event or Activity Organized by, or Benefiting, the Applied Chemical Technology Professional Community*" award at the ChemLuminary Award Ceremony this past December.

The Professional Development Subcommittee is repeating its success at the Spring 2021 meeting by teaming up with the Analytical Division for a symposium to provide an opportunity for chemical technical professionals to share their successes and challenges in research & development, quality control, and other vital technical roles. At the Fall 2020 meeting, CTA hosted a session where invited panelists shared their career experience with the chemical technical professionals and persons interested in the chemical industrial career field. The CTA had four networking sessions with special topics each day of the conference ranging from career advice, day in the life, and changes in the day in the life due to COVID-19 guidelines. This enabled networking opportunities for participants to continue the discussion on their career experiences working in industry and academia. The committee is continuing to work towards its goal of connecting to other committees, local sections, and divisions to provide input to support and advance the chemical technical professional in career development and recognition.

CTA is seeking nominations for the Travel and YCC/CTA leadership awards, and 2022 National Chemical Technician Award. The annual awards are a way to recognize the outstanding career achievements of exceptional chemical technical professionals.

Please visit the CTA website at [www.acs.org/cta](http://www.acs.org/cta) and join our LinkedIn group: ACS Committee on Technician Affairs (CTA). Follow us on Twitter @cta\_acs.

Jennifer McCulley, Chair



I. Women Chemists  
(joint with Board)

The Women Chemists Committee (WCC) continues to pursue its mission to attract, retain, develop, promote, and advocate for women to positively impact diversity, equity, and inclusion in the Society and the profession.

The following action items have been implemented since the Fall ACS National Meeting:

1. **ACS Webinar:** The committee will co-sponsor an ACS webinar focusing on the resilience of chemists during the pandemic on March 25, 2021. The three person panel will focus on issues such as childcare, remote working, and work-life balance. Additional information can be found on the ACS webinar website: <https://www.acs.org/content/acs/en/acs-webinars.html>
2. **WCC Rising Star Award Symposium:** The WCC Rising Star Award winners from 2019 and 2020 will present their research and accomplishments in two Rising Star Symposiums at the ACS Spring 2021 Virtual National Meeting. The Rising Star Award recognizes up to ten outstanding individuals\* approaching mid-level careers who have demonstrated outstanding promise for contributions to their respective fields. (\*individuals= female-identified individuals and persons assigned female at birth (AFAB)).
3. **WCC Merck Research Award Winners:** The WCC selected eight outstanding female 3<sup>rd</sup> and 4<sup>th</sup> year graduate students to be awarded the 2020 WCC Merck Research Award. These chemists will be recognized at the Fall 2021 National ACS Meeting.
4. **C&E News Comment:** The WCC Chair wrote a comment published in the March 8<sup>th</sup> edition of Chemical and Engineering News to celebrate International Women's Day and to discuss the continued need to promote change within the Society and chemistry profession.

The WCC is continuing discussions how to best engage Society members outside the National Meeting and how to positively impact diversity, equity, and inclusion in the scientific community.

Kimberly A. Woznack, 2020 Chair  
Amy Balija, 2021 Chair