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AMERICAN CHEMICAL SOCIETY

Council Agenda

Wednesday, March 23, 2022

8:00 AM PT

11:00 AM ET

VIRTUAL MEETING

Contact secretary@acs.org for
detailed meeting information and certification

AMERICAN CHEMICAL SOCIETY
 COUNCIL VIRTUAL MEETING
 8:00 A.M. PT; 11:00 A.M. ET
 March 23, 2022

AGENDA

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A. Resolution

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

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

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

Resolutions

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

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

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

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

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

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

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

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

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

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

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

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

Approval of Minutes

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

Nominations and Elections

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

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

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

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

Reports of Society Officers

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

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

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

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

Reports of Society Elected Committees

Council Policy Committee (CPC)

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

Committee on Committees (ConC)

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

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

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

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

Nominations and Elections (N&E)

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

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

Economic and Professional Affairs (CEPA)

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

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

Analytical Reagents (CAR)

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

Budget and Finance (B&F)

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

Chemical Safety (CCS)

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

Chemistry & Public Affairs (CCPA)

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

Chemists with Disabilities (CWD)

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

Community Activities (CCA)

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

Divisional Activities (DAC)

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

Education (SOCED)

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

Environmental Improvement (CEI)

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

Ethics (ETHX)

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

International Activities (IAC)

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

Local Section Activities (LSAC)

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

Meetings and Expositions (M&E)

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

Membership Affairs (MAC)

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

Minority Affairs (CMA)

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

Nomenclature, Terminology, and Symbols (NTS)

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

Patents and Related Matters (CPRM)

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

Professional Training (CPT)

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

Project SEED (SEED)

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

Public Relations and Communications (CPRC)

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

Publications (PUBS)

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

Science (COMSCI)

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

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

Senior Chemists (SCC)

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

Women Chemists (WCC)

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

Younger Chemists (YCC)

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

New Business

Resolution

The Council adopted the following resolutions:

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

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

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

Flint H. Lewis
Secretary

Certified Councilors for the August 25, 2021 Virtual Meeting

Full Name	Position Name		
Dr Angela K. Wilson	Ex Officio Councilor		
Dr Attila E. Pavlath	Ex Officio Councilor		
Dr Bassam Z. Shakhashiri	Ex Officio Councilor		
Dr Bonnie A. Charpentier	Ex Officio Councilor		
Dr Bruce E. Bursten	Ex Officio Councilor		
Dr Bryan Balazs	Ex Officio Councilor		
Dr Carolyn Ribes	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		
Dr Gordon L. Nelson	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		
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 Tom J. Barton	Ex Officio Councilor		
Dr Wayne E. Jones Jr	Ex Officio Councilor		
Dr William F. Carroll Jr	Ex Officio Councilor		
Mr Flint H. Lewis	Ex Officio Councilor		
Ms Lisa Houston	Ex Officio Councilor		
Dr Lissa Dulany	Bylaw Councilor		
Dr Michael H. Tunick	Councilor	Agricultural & Food Chemistry (AGFD)	Division
Dr Lauren Jackson	Councilor	Agricultural & Food Chemistry (AGFD)	Division
Dr Alyson E. Mitchell	Councilor	Agricultural & Food Chemistry (AGFD)	Division
Mr Rodney M. Bennett	Councilor	Agrochemicals (AGRO)	Division
Dr Jeanette M. Van Emon	Councilor	Agrochemicals (AGRO)	Division
Dr Susan V. Olesik	Councilor	Analytical Chemistry (ANYL)	Division
Dr Michelle V. Buchanan	Councilor	Analytical Chemistry (ANYL)	Division
Dr Emily A. Smith	Councilor	Analytical Chemistry (ANYL)	Division
Dr Bryant C. Nelson	Councilor	Analytical Chemistry (ANYL)	Division
Dr James Neville	Councilor	Biochemical Technology (BIOT)	Division
Dr David J. Roush	Councilor	Biochemical Technology (BIOT)	Division
Dr Cynthia H. Collins	Councilor	Biochemical Technology (BIOT)	Division
Dr Arindam Bose	Councilor	Biochemical Technology (BIOT)	Division
Dr Jordan L. Meier	Councilor	Biological Chemistry (BIOL)	Division
Dr Jennifer C Petter	Councilor	Biological Chemistry (BIOL)	Division

Dr Amanda E Hargrove	Councilor	Biological Chemistry (BIOL)	Division
Dr Amanda Bird	Councilor	Biological Chemistry (BIOL)	Division
Dr Natalie A. LaFranzo	Alternate Councilor	Business Development & Management (BMGT)	Division
Dr Pumtiwitt C. McCarthy	Alternate Councilor	Carbohydrate Chemistry (CARB)	Division
Prof Michael S. Wong	Councilor	Catalysis Science & Technology (CATL)	Division
Ms Liney Arnadottir	Councilor	Catalysis Science & Technology (CATL)	Division
Dr Anne M. Gaffney	Councilor	Catalysis Science & Technology (CATL)	Division
Dr Aditya (Ashi) Savara	Councilor	Catalysis Science & Technology (CATL)	Division
Dr Nicole Labbe	Alternate Councilor	Cellulose and Renewable Materials (CELL)	Division
Dr Sheila M. Murphy	Councilor	Cellulose and Renewable Materials (CELL)	Division
Dr Kevin J. Edgar	Councilor	Cellulose and Renewable Materials (CELL)	Division
Dr Laura J. Anna	Alternate Councilor	Chemical Education (CHED), Inc.	Division
Ms Sally B. Mitchell	Councilor	Chemical Education (CHED), Inc.	Division
Ms Clarissa Sorensen-Unruh	Councilor	Chemical Education (CHED), Inc.	Division
Dr Daniel B. King	Councilor	Chemical Education (CHED), Inc.	Division
Ms Debbie M. Decker	Councilor	Chemical Health & Safety (CHAS), Inc.	Division
Dr Frankie K. Wood-Black	Councilor	Chemical Health & Safety (CHAS), Inc.	Division
Ms Bonnie Lawlor	Councilor	Chemical Information (CINF)	Division
Ms Andrea B. Twiss-Brooks	Councilor	Chemical Information (CINF)	Division
Dr Sarah Shuck	Councilor	Chemical Toxicology (TOXI)	Division
Dr Penny Beuning	Councilor	Chemical Toxicology (TOXI)	Division
Dr James C. Carver	Councilor	Chemistry & The Law (CHAL)	Division
Dr Alan M. Ehrlich	Councilor	Chemistry & The Law (CHAL)	Division
Dr Nicholas L. Abbott	Councilor	Colloid & Surface Chemistry (COLL)	Division
Dr Maria M. Santore	Councilor	Colloid & Surface Chemistry (COLL)	Division
Dr Jennifer A. Hollingsworth	Councilor	Colloid & Surface Chemistry (COLL)	Division
Dr Emilio X. Esposito	Councilor	Computers in Chemistry (COMP)	Division
Dr Christine M. Aikens	Councilor	Computers in Chemistry (COMP)	Division
Prof Semih Eser	Councilor	Energy & Fuels (ENFL)	Division
Dr Randall E. Winans	Councilor	Energy & Fuels (ENFL)	Division
Dr Elise B. Fox	Councilor	Energy & Fuels (ENFL)	Division
Prof Alan W. Elzerman	Councilor	Environmental Chemistry (ENVR)	Division
Dr V. Dean Adams	Councilor	Environmental Chemistry (ENVR)	Division
Dr George P. Cobb III	Councilor	Environmental Chemistry (ENVR)	Division
Prof David A. Dixon	Councilor	Fluorine Chemistry (FLUO)	Division
Dr Anastasia G. Ilgen	Councilor	Geochemistry (GEOC)	Division
Dr Roger A. Egolf	Councilor	History of Chemistry (HIST)	Division
Dr Mary Virginia Orna	Councilor	History of Chemistry (HIST)	Division
Ms Mary K. Engelman	Councilor	Industrial & Engineering Chemistry (I&EC)	Division
Dr Leigh R. Martin	Councilor	Industrial & Engineering Chemistry (I&EC)	Division
Dr Jaqueline L. Kiplinger	Councilor	Industrial & Engineering Chemistry (I&EC)	Division
Dr Silvia Ronco	Councilor	Inorganic Chemistry (INOR)	Division
Dr Karen Goldberg	Councilor	Inorganic Chemistry (INOR)	Division
Dr Jeffrey J. Rack	Councilor	Inorganic Chemistry (INOR)	Division
Prof Jane V. Aldrich	Councilor	Medicinal Chemistry (MEDI)	Division
Dr William J. Greenlee	Councilor	Medicinal Chemistry (MEDI)	Division
Dr Carrie Haskell-Luevano	Councilor	Medicinal Chemistry (MEDI)	Division
Prof Graham F. Peaslee	Councilor	Nuclear Chemistry & Technology (NUCL)	Division
Dr Silvia S. Jurisson	Councilor	Nuclear Chemistry & Technology (NUCL)	Division
Ms Julie Ezold	Alternate Councilor	Nuclear Chemistry & Technology (NUCL)	Division
Dr Neil K. Garg	Alternate Councilor	Organic Chemistry (ORGN)	Division
Dr Paul R. Hanson	Councilor	Organic Chemistry (ORGN)	Division
Dr Huw M.L. Davies	Councilor	Organic Chemistry (ORGN)	Division
Dr Thomas Holme	Councilor	Physical Chemistry (PHYS)	Division
Dr Theresa L. Windus	Councilor	Physical Chemistry (PHYS)	Division
Dr Scott A. Reid	Councilor	Physical Chemistry (PHYS)	Division
Dr Judy E. Kim	Councilor	Physical Chemistry (PHYS)	Division
Dr Mary Ann Meador	Councilor	Polymer Chemistry (POLY)	Division

Dr Kathryn E. Uhrich	Councilor	Polymer Chemistry (POLY)	Division
Dr Kathryn Beers	Councilor	Polymer Chemistry (POLY)	Division
Dr Gregory N. Tew	Councilor	Polymer Chemistry (POLY)	Division
Dr Dean C. Webster	Councilor	Polymeric Materials: Science & Engineering (PMSE)	Division
Dr Michael Jaffe	Alternate Councilor	Polymeric Materials: Science & Engineering (PMSE)	Division
Dr Benny D. Freeman	Councilor	Polymeric Materials: Science & Engineering (PMSE)	Division
Dr A. Jay Dias	Councilor	Polymeric Materials: Science & Engineering (PMSE)	Division
Dr Matthew Grandbois	Councilor	Professional Relations (PROF)	Division
Mr John M. Long	Councilor	Rubber (RUBB) Division, ACS, Inc.	Division
Dr Jurgen H. Exner	Councilor	Small Chemical Businesses (SCHB)	Division
Dr Joseph E. Sabol	Councilor	Small Chemical Businesses (SCHB)	Division
Dr Michael W. Fricke	Councilor	Akron	Local Section
Dr Daryl L. Stein	Councilor	Akron	Local Section
Dr Tracy P. Hamilton	Councilor	Alabama	Local Section
Dr Lisa A. Hoferkamp	Councilor	Alaska	Local Section
Prof Javier Vela	Councilor	Ames	Local Section
Prof Christian R. Goldsmith	Councilor	Auburn	Local Section
Mr Bryan K. Franklin	Councilor	Baton Rouge	Local Section
Dr Julien A. Panetier	Councilor	Binghamton	Local Section
Dr John P. O'Brien	Councilor	Brazosport	Local Section
Ms Jenelle Ball	Councilor	California	Local Section
Dr Fanny Frausto	Alternate Councilor	California	Local Section
Dr Sheila Kanodia	Councilor	California	Local Section
Dr Patrick S. Lee	Councilor	California	Local Section
Dr James M. Postma	Councilor	California	Local Section
Dr Eileen M. Nottoli	Councilor	California	Local Section
Dr Alex M. Madonik	Councilor	California	Local Section
Alexandra Bruefach	Councilor	California	Local Section
Dr Justin A. Russak	Councilor	California Los Padres	Local Section
Mr Matthew K. Chan	Councilor	Carolina-Piedmont	Local Section
Dr Daniel Rabinovich	Councilor	Carolina-Piedmont	Local Section
Dr Richard C. Bauer	Councilor	Central Arizona	Local Section
Dr Kathryn Kitzmiller	Councilor	Central Arizona	Local Section
Dr Martin D. Perry Jr	Councilor	Central Arkansas	Local Section
Dr Meledath Govindan	Councilor	Central Massachusetts	Local Section
Mr Donovan R. Porterfield	Councilor	Central New Mexico	Local Section
Dr Dominic S Peterson	Councilor	Central New Mexico	Local Section
Dr Ivan V. Korendovych	Councilor	Central New York	Local Section
Dr Robert A. Yokley	Councilor	Central North Carolina	Local Section
Dr Gary D. Anderson	Councilor	Central Ohio Valley	Local Section
Dr Lori R. Stepan	Councilor	Central Pennsylvania	Local Section
Dr Malcolm D. Prouty	Councilor	Central Texas	Local Section
Dr Barry J. Streusand	Councilor	Central Texas	Local Section
Dr Jennifer B. Nielson	Councilor	Central Utah	Local Section
Dr Robin S. Tanke	Councilor	Central Wisconsin	Local Section
Dr Robert Coots	Councilor	Chattanooga	Local Section
Prof Nevert N. Tahmazian	Councilor	Chemical Society of Washington	Local Section
Ms LaKesha N. Perry	Councilor	Chemical Society of Washington	Local Section
Dr Wesley Farrell	Councilor	Chemical Society of Washington	Local Section
Dr Daron I. Freedberg	Alternate Councilor	Chemical Society of Washington	Local Section
Dr Sara V. Orski	Councilor	Chemical Society of Washington	Local Section
Dr Raychelle M. Burks	Councilor	Chemical Society of Washington	Local Section
Dr Kim M. Morehouse	Councilor	Chemical Society of Washington	Local Section
Dr Darryl Boyd	Councilor	Chemical Society of Washington	Local Section
Dr Allison Aldridge	Councilor	Chemical Society of Washington	Local Section
Prof David S. Crumrine	Councilor	Chicago	Local Section
Ms Susan M. Shih	Councilor	Chicago	Local Section
Ms Margaret Stowell Levenberg	Councilor	Chicago	Local Section

Ms Inessa Miller	Councilor	Chicago	Local Section
Ms Fran K. Kravitz	Councilor	Chicago	Local Section
Dr Russell W. Johnson	Councilor	Chicago	Local Section
Dr Paul F. Brandt	Councilor	Chicago	Local Section
Dr Milt Levenberg	Councilor	Chicago	Local Section
Dr Kenneth P. Fivizzani	Councilor	Chicago	Local Section
Ms Susan A. Hershberger	Councilor	Cincinnati	Local Section
Ms Kathleen Gibboney	Councilor	Cincinnati	Local Section
Dr Richard J. Mullins	Councilor	Cincinnati	Local Section
Mr Michael J. Levy	Councilor	Cleveland	Local Section
Dr Dwight W. Chasar	Alternate Councilor	Cleveland	Local Section
Dr Will E. Lynch	Councilor	Coastal Georgia	Local Section
Prof Susan M. Schelble	Councilor	Colorado	Local Section
Ms Helen B. Gerhard	Alternate Councilor	Colorado	Local Section
Dr Nicholas Earl Thornburg	Alternate Councilor	Colorado	Local Section
Dr Debbie C. Crans	Councilor	Colorado	Local Section
Dr Connie Gabel	Councilor	Colorado	Local Section
Dr Aimee M. Morey	Councilor	Colorado	Local Section
Ms Kayla Quinn Kasper	Councilor	Columbus	Local Section
Dr Joan M. Esson	Councilor	Columbus	Local Section
Dr Krishna M. Bobba	Alternate Councilor	Columbus	Local Section
Prof Kevin R. Kittilstved	Councilor	Connecticut Valley	Local Section
Dr Michael Knapp	Councilor	Connecticut Valley	Local Section
Dr Julianne M.D. Smist	Councilor	Connecticut Valley	Local Section
Dr Frank J. Torre	Councilor	Connecticut Valley	Local Section
Dr Roger F. Bartholomew	Councilor	Corning	Local Section
Dr Mary Anderson	Councilor	Dallas-Fort Worth	Local Section
Dr Linda D. Schultz	Councilor	Dallas-Fort Worth	Local Section
Dr Jason L. McAfee	Councilor	Dallas-Fort Worth	Local Section
Dr E. Thomas Strom	Councilor	Dallas-Fort Worth	Local Section
Dr Steven Trohalaki	Councilor	Dayton	Local Section
Dr Harry J. Elston	Councilor	Decatur-Springfield	Local Section
Ms Margaret J. Schooler	Councilor	Delaware	Local Section
Dr Martha G. Hollomon	Councilor	Delaware	Local Section
Dr John Gavenonis	Councilor	Delaware	Local Section
Ms Mary Kay Heidtke	Councilor	Detroit	Local Section
Mr James M. Landis	Councilor	Detroit	Local Section
Dr Mark A. Benvenuto	Councilor	Detroit	Local Section
Dr Amy Nicely	Councilor	East Central Illinois	Local Section
Dr John Z. Larese	Councilor	East Tennessee	Local Section
Dr Alan A. Hazari	Councilor	East Tennessee	Local Section
Mr Michael Sheets	Councilor	East Texas	Local Section
Mr Warren D. Hull Jr	Councilor	Eastern New York	Local Section
Dr Mary K. Carroll	Councilor	Eastern New York	Local Section
Dr James F. Garvey	Councilor	Eastern North Carolina	Local Section
Dr Matthew Heerboth	Alternate Councilor	Erie	Local Section
Dr Leslie J. Murray	Councilor	Florida	Local Section
Dr Carmen V. Gauthier	Councilor	Florida	Local Section
Ms Holly L. Davis	Councilor	Georgia	Local Section
Mr Joseph P. Stoner	Councilor	Georgia	Local Section
Dr Mark B. Mitchell	Councilor	Georgia	Local Section
Dr David S. Gottfried	Councilor	Georgia	Local Section
Dr C. David Sherrill	Councilor	Georgia	Local Section
Ms Mamie W. Moy	Councilor	Greater Houston	Local Section
Ms Carolyn A. Burnley	Councilor	Greater Houston	Local Section
Dr Valerie Lafitte	Councilor	Greater Houston	Local Section
Dr Lawrence W. Dennis	Councilor	Greater Houston	Local Section
Dr David Sam Germack	Councilor	Greater Houston	Local Section

Dr Amber S. Hinkle	Councilor	Greater Houston	Local Section
Dr Willem R. Leenstra	Councilor	Green Mountain	Local Section
Dr Dmitry V. Liskin	Councilor	Hampton Roads	Local Section
Dr David P. Cunningham	Councilor	Hawaii	Local Section
Dr Lawrence H. Kolopajlo	Councilor	Huron Valley	Local Section
Dr Ellene Tratras Contis	Councilor	Huron Valley	Local Section
Dr Joshua J. Pak	Councilor	Idaho	Local Section
Dr Gregory Ferrence	Councilor	Illinois Heartland	Local Section
Mr Richard G. Rogers	Councilor	Illinois-Iowa	Local Section
Mr Brian M. Mathes	Councilor	Indiana	Local Section
Dr Robert E. Sammelson	Councilor	Indiana	Local Section
Dr Robert A. Pribush	Councilor	Indiana	Local Section
Dr Beth Lorsbach	Councilor	Indiana	Local Section
Dr Darlene D. Ingram	Councilor	Indiana-Kentucky Border	Local Section
Dr Jeffrey A. Rahn	Councilor	Inland Northwest	Local Section
Dr Sara E. Mason	Councilor	Iowa	Local Section
Dr Michael Lufaso	Councilor	Jacksonville	Local Section
Prof William J. Peacy III	Councilor	Joliet	Local Section
Dr Lydia E.M. Hines	Councilor	Kalamazoo	Local Section
Dr Madan M. Bhasin	Councilor	Kanawha Valley	Local Section
Ms Michele E. Sanders	Alternate Councilor	Kansas City	Local Section
Dr Robbie Montgomery	Councilor	Kentucky Lake	Local Section
Dr Ben Haenni	Councilor	LaCrosse-Winona	Local Section
Dr Kelley C. Caflin	Councilor	Lehigh Valley	Local Section
Dr Jeanne R. Berk	Councilor	Lehigh Valley	Local Section
Dr Brent A. Eldridge	Councilor	Lexington	Local Section
Dr Alvin F. Bopp	Councilor	Louisiana	Local Section
Mr James F. Tatera	Councilor	Louisville	Local Section
Dr Mitchell R.M. Bruce	Councilor	Maine	Local Section
Dr Mohamed El-Bermawy	Alternate Councilor	Mark Twain	Local Section
Ms Beatrice Salazar	Councilor	Maryland	Local Section
Mr Jan E. Kolakowski	Councilor	Maryland	Local Section
Dr Stephanie Watson	Councilor	Maryland	Local Section
Dr Kelly M. Elkins	Councilor	Maryland	Local Section
Dr Nathan J DeYonker	Councilor	Memphis	Local Section
Dr Susanne M. Lewis	Councilor	Michigan State University	Local Section
Dr Wathsala Medawala	Temp. Subst. Councilor	Middle Georgia	Local Section
Ms Lynn M. Robinson	Councilor	Mid-Hudson	Local Section
Dr Dale J. LeCaptain	Councilor	Midland	Local Section
Mr Scott A. Schlipp	Councilor	Milwaukee	Local Section
Dr Katie Bichler	Councilor	Milwaukee	Local Section
Dr William C Pomerantz	Councilor	Minnesota	Local Section
Dr Sarah M. Mullins	Councilor	Minnesota	Local Section
Dr Marilyn Duerst	Councilor	Minnesota	Local Section
Dr Lynn G. Hartshorn	Councilor	Minnesota	Local Section
Dr James Wollack	Councilor	Minnesota	Local Section
Dr Leslie Robinson	Councilor	Mississippi	Local Section
Dr W. Matthew Reichert	Councilor	Mobile	Local Section
Dr Peter Zarras	Councilor	Mojave Desert	Local Section
Ms Ruth Ann Woodall	Councilor	Nashville	Local Section
Dr Judith M. Iriarte-Gross	Councilor	Nashville	Local Section
Dr James M. Takacs	Councilor	Nebraska	Local Section
Dr Dennis J. Jakiela	Councilor	New Haven	Local Section
Mr J. Vincent Ribeiro	Alternate Councilor	New Haven	Local Section
Prof Ping Y. Furlan	Alternate Councilor	New York	Local Section
Mr Frank Romano	Councilor	New York	Local Section
Dr Patricia A. Redden	Councilor	New York	Local Section
Dr Pamela K. Kerrigan	Councilor	New York	Local Section

Dr Neil D. Jespersen	Councilor	New York	Local Section
Dr Justyna Widera-Kalinowska	Councilor	New York	Local Section
Dr Hiroko I. Karan	Councilor	New York	Local Section
Dr Brian R. Gibney	Councilor	New York	Local Section
Dr Alison G. Hyslop	Councilor	New York	Local Section
Mrs Sharifa Tahirah Love-Rutledge	Councilor	North Alabama	Local Section
Dr Melissa A. Pasquinelli	Councilor	North Carolina	Local Section
Dr Laura S. Sremaniak	Councilor	North Carolina	Local Section
Dr Crispina Borges	Councilor	North Carolina	Local Section
Dr Bhaskar R. Venepalli	Councilor	North Carolina	Local Section
Dr Katherine C. Glasgow	Alternate Councilor	North Carolina	Local Section
Ms Elizabeth M. Howson	Councilor	North Jersey	Local Section
Ms Diane Krone	Councilor	North Jersey	Local Section
Dr Sandra K. Keyser	Councilor	North Jersey	Local Section
Dr Monica R. Sekharan	Councilor	North Jersey	Local Section
Dr Miriam Gulotta	Councilor	North Jersey	Local Section
Dr Cecilia E. Marzabadi	Councilor	North Jersey	Local Section
Dr Amanda K. Peterson Mann	Councilor	North Jersey	Local Section
Dr Alan B. Cooper	Councilor	North Jersey	Local Section
Dr Maurice E. Snook	Councilor	Northeast Georgia	Local Section
Dr John Engelman II	Councilor	Northeast Tennessee	Local Section
Dr Martin D. Rudd	Councilor	Northeast Wisconsin	Local Section
Ms Sofia A. Santos	Councilor	Northeastern	Local Section
Dr Thomas R. Gilbert	Councilor	Northeastern	Local Section
Dr Sonja Strah-Pleyne	Councilor	Northeastern	Local Section
Dr Ruth E. Tanner	Councilor	Northeastern	Local Section
Dr Patricia A. Mabrouk	Councilor	Northeastern	Local Section
Dr Morton Z. Hoffman	Councilor	Northeastern	Local Section
Dr Michael Singer	Councilor	Northeastern	Local Section
Dr Mary Jane Shultz	Councilor	Northeastern	Local Section
Dr Malika Jeffries-El	Councilor	Northeastern	Local Section
Dr Kenneth C. Mattes	Councilor	Northeastern	Local Section
Dr Catherine E. Costello	Councilor	Northeastern	Local Section
Dr Carol Mulrooney	Councilor	Northeastern	Local Section
Dr Caitlyn Mills	Councilor	Northeastern	Local Section
Dr Anna W. Sromek	Councilor	Northeastern	Local Section
Dr Andrew Scholte	Councilor	Northeastern	Local Section
Dr Sarah S. Preston	Councilor	Northeastern Ohio	Local Section
Dr Rajesh Sunasee	Councilor	Northern New York	Local Section
Dr Randall L. Heald	Councilor	Northern Oklahoma	Local Section
Dr Edwin L. Kugler	Alternate Councilor	Northern West Virginia	Local Section
Dr Amelia Anderson-Wile	Councilor	Northwest Central Ohio	Local Section
Dr Brian A. Salvatore	Councilor	Northwest Louisiana	Local Section
Dr Allen W. Aplett	Councilor	Oklahoma	Local Section
Dr Jason E. Ritchie	Councilor	Ole Miss	Local Section
Dr Richard Lomneth	Councilor	Omaha	Local Section
Ms Sanda P. Sun	Councilor	Orange County	Local Section
Mr Robert S. Cohen	Councilor	Orange County	Local Section
Dr Rabin D. Lai	Councilor	Orange County	Local Section
Dr Richard L. Nafshun	Councilor	Oregon	Local Section
Dr Darlene K. Slattery	Councilor	Orlando	Local Section
Dr Danny E. Hubbard	Councilor	Ouachita Valley	Local Section
Prof Eric Bosch	Councilor	Ozark	Local Section
Dr Nick O. Flynn	Councilor	Panhandle Plains	Local Section
Dr Doris L. Zimmerman	Councilor	Penn-Ohio Border	Local Section
Dr Donna M. Brestensky	Councilor	Penn-York	Local Section
Dr Allan M. Ford	Councilor	Pensacola	Local Section
Dr Kathryn Louie	Councilor	Permian Basin	Local Section

Ms Marge A. Matthews	Councilor	Philadelphia	Local Section
Ms Judith Currano	Councilor	Philadelphia	Local Section
Ms Ella L. Davis	Councilor	Philadelphia	Local Section
Mrs Anne S. DeMasi	Councilor	Philadelphia	Local Section
Dr Rick Ewing	Councilor	Philadelphia	Local Section
Dr Melissa B. Cichowicz	Councilor	Philadelphia	Local Section
Dr Kathy Shaginaw	Councilor	Philadelphia	Local Section
Dr Kathryn Lysko	Councilor	Philadelphia	Local Section
Dr Deborah H. Cook	Councilor	Philadelphia	Local Section
Dr Christine McInnis	Councilor	Philadelphia	Local Section
Dr Richard S. Danchik	Councilor	Pittsburgh	Local Section
Dr Kimberly A. Woznack	Councilor	Pittsburgh	Local Section
Dr Haitao Liu	Councilor	Pittsburgh	Local Section
Dr Edward P. Zovinka	Councilor	Pittsburgh	Local Section
Dr James C. Tung	Councilor	Portland	Local Section
Ms Louise M. Lawter	Councilor	Princeton	Local Section
Dr Angela M. Gonzalez	Councilor	Puerto Rico	Local Section
Dr Gary D. Christian	Councilor	Puget Sound	Local Section
Dr Dharshi Bopegedera	Councilor	Puget Sound	Local Section
Dr Despina Strong	Councilor	Puget Sound	Local Section
Dr David L. Patrick	Councilor	Puget Sound	Local Section
Dr Craig B. Fryhle	Councilor	Puget Sound	Local Section
Dr Graeme R.A. Wyllie	Councilor	Red River Valley	Local Section
Dr Peter J. Bonk	Councilor	Rhode Island	Local Section
Dr Anna G. Cavinato	Councilor	Richland	Local Section
Dr Michael D. Johnson	Councilor	Rio Grande Valley	Local Section
Mr D. Richard Cobb	Councilor	Rochester	Local Section
Dr Amber F. Charlebois	Councilor	Rochester	Local Section
Dr William J. Doria	Councilor	Rock River	Local Section
Dr John A. Whittle	Councilor	Sabine-Neches	Local Section
Dr Maria de la Paz Carpio-Obeso	Councilor	Sacramento	Local Section
Dr John R. Berg	Councilor	Sacramento	Local Section
Dr Thomas G. Richmond	Councilor	Salt Lake	Local Section
Dr Peter J. Stang	Councilor	Salt Lake	Local Section
Dr Adeola O. Coker	Alternate Councilor	San Antonio	Local Section
Ms Valerie J. Kuck	Councilor	San Diego	Local Section
Dr Thomas R. Beattie	Councilor	San Diego	Local Section
Dr Jacqueline Trischman	Councilor	San Diego	Local Section
Dr Hui Cai	Councilor	San Diego	Local Section
Dr David M. Wallace	Councilor	San Diego	Local Section
Prof Eileen M. DiMauro	Councilor	San Gorgonio	Local Section
Ms Emily Viggers	Councilor	San Gorgonio	Local Section
Dr Hubert Muchalski	Councilor	San Joaquin Valley	Local Section
Dr Christopher J. Bannochie	Councilor	Savannah River	Local Section
Prof Lawrence T. Scott	Councilor	Sierra Nevada	Local Section
Ms Sally B. Peters	Councilor	Silicon Valley	Local Section
Ms Grace Baysinger	Councilor	Silicon Valley	Local Section
Dr Natalie L. McClure	Councilor	Silicon Valley	Local Section
Dr Matthew J. Greaney	Councilor	Silicon Valley	Local Section
Dr Madalyn Radlauer	Councilor	Silicon Valley	Local Section
Dr Linda S. Brunauer	Councilor	Silicon Valley	Local Section
Dr Jane E. Frommer	Councilor	Silicon Valley	Local Section
Dr Jetty L. Duffy-Matzner	Councilor	Sioux Valley	Local Section
Dr Don L. Warner	Councilor	Snake River	Local Section
Dr Scott R. Goode	Councilor	South Carolina	Local Section
Dr Linda Shimizu	Councilor	South Carolina	Local Section
Dr Nathan D. Leigh	Councilor	South Central Missouri	Local Section
Ms Zaida C. Morales Martinez	Councilor	South Florida	Local Section

Dr Milagros Delgado	Councilor	South Florida	Local Section
Dr George H. Fisher	Councilor	South Florida	Local Section
Dr Gregory A. Caputo	Alternate Councilor	South Jersey	Local Section
Dr Clemens Krempner	Councilor	South Plains	Local Section
Dr Ludivina Avila	Councilor	South Texas	Local Section
Dr Gregory P. Foy	Councilor	Southeastern Pennsylvania	Local Section
Dr Charles H. Weidner	Councilor	Southern Arizona	Local Section
Ms Barbara P. Sitzman	Councilor	Southern California	Local Section
Dr Veronica I. Jaramillo	Councilor	Southern California	Local Section
Dr Eleanor D. Siebert	Councilor	Southern California	Local Section
Dr Chandrashekhhar Sonwane	Alternate Councilor	Southern California	Local Section
Dr Brian B. Brady	Councilor	Southern California	Local Section
Dr Alexandros B. Oxyzolou	Councilor	Southern California	Local Section
Dr Lichang Wang	Councilor	Southern Illinois	Local Section
Mr Kazumasa Lindley	Councilor	Southern Nevada	Local Section
Dr Linda de la Garza	Councilor	Southwest Georgia	Local Section
Dr Susan E. Del Valle	Alternate Councilor	St. Joseph Valley	Local Section
Dr Lisa M. Balbes	Councilor	St. Louis	Local Section
Dr Eric A. Bruton	Councilor	St. Louis	Local Section
Dr Donna G. Friedman	Councilor	St. Louis	Local Section
Dr Donald E. Mencer Jr	Councilor	Susquehanna Valley	Local Section
Dr Marie Bourgeois	Councilor	Tampa Bay	Local Section
Dr Kimberly B. Fields	Councilor	Tampa Bay	Local Section
Dr David E. Bergbreiter	Councilor	Texas A&M	Local Section
Mr Frank J. Butwin	Councilor	Toledo	Local Section
Dr Benny C. Chan	Councilor	Trenton	Local Section
Dr Justin R. Walensky	Councilor	University of Missouri	Local Section
Mr Glenn M. Larkin	Councilor	Upper Peninsula	Local Section
Dr Linette M. Watkins	Councilor	Virginia	Local Section
Dr Kristine S. Smetana	Councilor	Virginia	Local Section
Dr Janet A. Asper	Councilor	Virginia	Local Section
Dr W. Gary Hollis Jr	Councilor	Virginia Blue Ridge	Local Section
Dr Teresa L. Tarbuck	Councilor	Wabash Valley	Local Section
Dr Malgorzata A. Witek	Councilor	Wakarusa Valley	Local Section
Dr Kristopher Waynant	Councilor	Washington-Idaho Border	Local Section
Dr Timothy W. Hanks	Councilor	Western Carolinas	Local Section
Dr George L. Heard	Councilor	Western Carolinas	Local Section
Dr L. Kraig Steffen	Councilor	Western Connecticut	Local Section
Dr James D. Stickler	Councilor	Western Maryland	Local Section
Dr Mark A. Thomson	Councilor	Western Michigan	Local Section
Dr Peter M. Schaber	Councilor	Western New York	Local Section
Dr David P. Nalewajek	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 Scott A. Wildman	Councilor	Wisconsin	Local Section
Dr Allen D. Clauss	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 25, 2021, the Council Policy Committee has taken the following actions:

CPC 1-2021: VOTED to elect Donna G. Friedman as Vice-Chair of the Council Policy Committee for 2022.

NOMINATIONS FOR PRESIDENT-ELECT

Action Requested: The Committee on Nominations and Elections has selected the following nominees for 2023 President-Elect:

Frank D. Blum
Mary K. Carroll
Rigoberto Hernandez
Ingrid Montes

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.

BLUM, FRANK D. *Oklahoma Section.* Oklahoma State University, Stillwater, Oklahoma.

Academic Record: Eastern Illinois University, B.S., 1976; M.S., 1977; University of Minnesota, Ph.D., 1981.

Honors: Special Service Award, ACS Polymer Division, 2010; Fellow ACS Polymer Division, 2010; ACS Fellow, 2009; Special Service Award, ACS Polymer Division, 2002; Distinguished Service Award, ACS Polymer Division, 2002; Regents' Professorship, Oklahoma State University, 2011; Outstanding Graduate Alumni Award, Eastern Illinois University, 2012, 2011; Harrison I. Bartlett Chair, Oklahoma State University, 2009; Guest Lecturer, Symposium on Polymer Science and Technology, Colombo, Sri Lanka, 2017; Distinguished Polymer Lecturer, Pittsburg State University, 2014; Plenary lecturer, Oklahoma Pentasectional ACS Meeting, Tulsa, OK, 2013; Clarence J. Karcher Lecturer, University of Oklahoma, 2004; Jefferson Smurfit Lecturer, University College Dublin, Dublin, Ireland, 2002; Distinguished Alumni Award, Eastern Illinois University, 2001.

Professional Positions (for past 10 years): Oklahoma State University, Regents' Professor of Chemistry, 2011 to date, Harrison I. Bartlett Chair, 2010 to date, Chair of Chemistry, 2009-16; University of Missouri, Rolla, Curators' Professor of Chemistry, 1994-10.

Service in ACS National Offices: Committee on Publications, Member, 2019-22, 1997-01, Committee Associate, 2018, 1997-02, Consultant, 2007; Joint Board-Council Policy Committee, Task Force on Governance Design, 2016 to 2018; Council Policy Committee, Member (Voting), 2013-17, (Nonvoting), 2000-02; Committee on Nominations and Elections, Member, 2005-10, Chair, 2009-10; Committee on Budget and Finance, Committee Associate, 2012, 2003-04; Younger Chemists Committee, Consultant, 2012; Committee on Divisional Activities, Member, 1999-02, Chair, 2000-02, Committee Associate, 2003; Advisory Board for Industrial Relations, Member, 2000-01; Advisory Board, Office of Technical Programming and Conferences, 2000-01; Task Force on Division and Local Section Allocation and Representation, 2003, 2000; Presidential Task Force on Bylaw Changes for Division and Local Section Support, 2001-02; Presidential Task Force on Electronic Council Communications, 2001; Canvassing Committee, Award for Volunteer Service to the ACS, 2003-05; Oversight Committee for ACS Fellows 2010-12; Canvassing Committee, ACS Award in Applied Polymer Science, 1992-95, Chair, 1994-95.

Service in ACS Offices: *Division of Polymer Chemistry:* Bylaw Councilor, 2017, Councilor, 2011-16; Chair, 1999; Chair-Elect, 1998; Vice-Chair, 1997; Secretary, 1990-95; Webmaster, 1995-10; POLY e-list manager, 1993 to date. *Polymer Preprints*, Assistant Editor, 1986-90. *South Central Missouri Section:* Councilor, 1988-10. *Materials Secretariat:* Secretary General, 1996-97. *Midwest Regional Meeting:* Program Chair, 1997.

Member (current): Member ACS since 1976. *ACS Division(s):* Colloid and Surface Chemistry; Polymer Chemistry; and Polymeric Materials: Science and Engineering.

Related Activities: Joint CPC-N&E Working Group on Electronic Voting at Council, 2008; University of Missouri Research Board, Member, 2006-08; President, President-Elect, Secretary, Parliamentarian, University of Missouri-Rolla Academic Council, 2004-08; Chair, Graduate Council and Graduate Faculty (UMR), 1994-96; *Visiting Professor*, Physical Chemistry 1, Lund University, Lund, Sweden, 1997; *Visiting Scientist*, IBM Almaden Research Center, San Jose, CA, 1992; published 240+ publications; supervised 35 Ph.D., 22 M.S., 10 Postdoctoral, 13 undergraduate and 7 high school students in the areas of polymer science, colloid chemistry, NMR spectroscopy and friction materials.

STATEMENT
Frank D. Blum

As a 46-year member, 37-year volunteer and 30-year Councilor, I have developed a strong devotion to the ACS. It is my home and has no equal. Representing the South-Central Missouri Local Section and the Division of Polymer Chemistry as a Councilor has been a great honor. I have met and worked with people who have made my ACS service a wonderful and important part of my life. I feel that through my broad leadership and committee/task force roles, I have grown an appreciation for the depth and breadth of the ACS. It is awesome. I also think I have played a role in helping our Society become better and stronger. I am ready to lead our Society. If elected, I plan to continue teaching and research. I've observed some excellent role models who have balanced these responsibilities with the ACS Presidency and made significant impact on both fronts.

The ACS has made our country and our discipline better, and our future leaders need to be knowledgeable, inclusive, hardworking, and creative. Changes in technology, information, and interconnections now move (in some cases) near the speed of light. Current and future changes will have scientific, moral, and societal consequences. ACS can help address these consequences as chemistry truly is the central science.

Some of our major efforts should be on:

Value Proposition for Members. ACS members and prospective members need to understand the value of their membership. We need to convey this through the more tangible (journals, Chemical Abstracts, meetings, insurance, National Chemistry Week, professional development, green chemistry, etc.) and the less tangible (connections/interactions, leadership, commitment) benefits that the ACS supports both financially and through volunteer efforts. With renewed communication and empowered membership, we can grow our society and firm up our base.

Workforce Development. The Society is well situated and trusted to provide advanced training to members that is useful to employers. Employers need to be educated on the advantages of hiring chemical professionals with ACS-related training and in using ACS programs to keep their employees current in their field. We also need to refine (where needed) and enhance the employment and career development resources.

Local Section/Division Support. My proudest ACS accomplishment was when the Council, Board, and Membership changed the Constitution and Bylaws to earmark 20% of membership dues for direct assistance to local sections and divisions. I was pleased to work with others to make the case for and pass this impactful effort. I was also involved with rethinking ACS Governance. As we explore new structures within the ACS, we need to ensure that we build our volunteer base, especially through support to local sections and divisions.

Diversity and Inclusion. I am a firm supporter of diversity, equity, inclusion, and respect within the Society. A particular need is for developing chemical professionals from underrepresented groups. As our future workforce changes, we need to ensure that students see that there is a meaningful place for them in a technological workplace, regardless of their demographic.

International. Chemistry is international. I recently visited some international undergraduate programs and was able to persuade two of them to start International Student Chapters. These chapters have been very beneficial to the ACS in many ways. Expansion of both International Chapters and International Student Chapters has my strong support.

Education and Science. It is through science education, in a whole variety of ways, that the ACS shines. We need to strengthen the educational efforts through the continued monitoring of programs, advances in education and guidance to teachers, and funding through federal, state, and local sources. We need to further embrace K-12 science teachers. We must continue to advance science through the dissemination of knowledge through journals, magazines, meetings, and electronic presence. I have special interest to further strengthen the connections of local sections and divisions particularly at Regional and local meetings.

State of the Society. The state of ACS is outstanding. Its impact is global, it is well respected, and it is a leader. Major changes are not needed. We just need to keep making improvements as we go. "I am proud to be an ACS member."

I believe that I have the necessary skills, knowledge, and experience to be an effective President-Elect of the ACS. I will continue to work hard for the Society and its members, for chemistry and for the benefit of the world and its inhabitants.

CARROLL, MARY K. *Eastern New York Section.* Union College, Schenectady, NY.

Academic Record: Union College, B.S., 1986; Indiana University, Bloomington, Ph.D., 1991.

Honors: ACS Fellow, 2016; ACS Division of Analytical Chemistry Graduate Fellowship, 1990-91; Stillman Prize for Faculty Excellence in Research, Union College, 2021; 100 Inspiring Women in STEM Award, INSIGHT into Diversity Magazine, 2015; Faculty Meritorious Service Award, Union College Alumni Council, 2012; Outstanding Service Award, New York Section of the Society for Applied Spectroscopy, 2009; Stillman Prize for Excellence in Teaching, Union College, 1995; National Science Foundation Graduate Fellowship, 1987-90; Phi Beta Kappa; Sigma Xi; Iota Sigma Pi.

Professional Positions (for past 10 years): Union College, Dwane W. Crichton Professor of Chemistry, 2017 to date, Professor, 2005-17, Chair, Chemistry Department, 2008-11; Sunthru LLC, Chief Science Officer, 2013 to date.

Service in ACS National Offices: Committee on Science, Member, 2021-23, Committee Associate 2019-20; Committee on Strategic Planning, 2018; Committee on Planning, 2017; Board/Council Policy Committee Task Force on Governance Design, co-Chair, 2016-18; Council Policy Committee, voting 2013-18, Vice-Chair, 2017-18, non-voting 2010-12; Leadership Advisory Board, 2018-19, Committee Associate, 2014-17; Committee on Education, 2005-12, Chair, 2010-12, Committee Associate, 2001-04; ACS Strategic Plan Education Goal Working Group, 2011, Chair; Program Review Advisory Group, 2010-11; Advisory Board, Graduate Education, 2010-12; Women Chemists Committee, 2004, Committee Associate, 2001-03.

Service in ACS Offices: *Eastern New York Section:* Councilor, 1998-2022, Alternate Councilor, 1995-97, Education Committee, 1993 to date.

Member (current): Member ACS since 1986. Society for Applied Spectroscopy; International Sol-Gel Society; Materials Research Society; Sigma Xi. *ACS Division(s):* American Association of Chemistry Teachers; Colloid & Surface Chemistry; Analytical Chemistry; Chemical Education; Inorganic Chemistry; Polymer Chemistry; Small Chemical Businesses.

Related Activities: Union College, Director, Undergraduate Research, 2005-08; Associate Professor, 1998-2005; Assistant Professor, 1992-98; Union College Chemistry Club (ACS Student Chapter) Faculty Advisor, 2018, 2013, 1994-09; Student Awards Committee, New York Section, Society for Applied Spectroscopy, 2006-12, Chair, 2006-12; University at Buffalo, Research Assistant Professor, 1997-2000; University of Massachusetts, Amherst, Postdoc, 1991-92; Indiana University, Lecturer, 1990; Published 48 journal articles and several book chapters; holds three patents.

STATEMENT
Dr. Mary K. Carroll

I am proud to be an American Chemical Society member volunteer and truly honored to be a nominee for 2023 President-Elect.

When our work and home lives have been upended by a global pandemic, and society as a whole is also dealing with other significant challenges, including systemic racism, inequality, and global climate change, the ACS provides connectivity, networking and continued professional development for its members and, with and through its members, is making significant contributions to society as a whole via ongoing education, research, advocacy, and outreach activities. As a result, I find it relatively easy to articulate and demonstrate the benefits of ACS membership to students and colleagues. Moreover, the upending of our usual structures provides us with an opportunity to renew our focus on two fundamental questions:

What is ACS uniquely positioned to do?

That is, where can our collective expertise and efforts have the most significant impact? We must focus our efforts there. The global pandemic has demonstrated unambiguously the critical importance of performing and publishing rigorous scientific work, educating students, and communicating science to elected officials and other members of the general public. Simply put, science matters. As an established teacher-scholar and recent entrepreneur who is an active participant in my local section and in national ACS governance, I have had the privilege of contributing to shaping and furthering the goals of our Society. For our Society to have the most influence and impact, ACS needs to nurture and maintain an engaged and diverse membership, capable of taking a multi-pronged approach:

- Leading in evidence-based scientific education
- Providing venues and journals for the dissemination of pure and applied research to the scientific community
- Emphasizing the value to society of ethically conducted pure and applied research (and describing that research in terms that can be understood by members of the public)
- Encouraging ACS units and individual members to engage in public outreach activities
- Enhancing advocacy for policies based on and supporting sound science
- Working to ensure that our community recruits a diverse membership, and subsequently respects the experiences, engages the talents, and welcomes the contributions of our members.

How best can ACS engage the talents of its members to do those things?

In a time of rapid change, ACS must articulate and demonstrate the value of membership to new and continuing members, while they are students, throughout their careers and into retirement, wherever their paths take them. It is critically important for ACS to encourage members to be lifelong learners, prepared to build upon their education and gain expertise in areas that might not even exist today, and establish and continually cultivate their professional networks. To this end, ACS offers an outstanding array of professional and leadership development programs. ACS has a well-deserved reputation among other professional societies for robust member volunteerism at the local and national levels. Although ACS has made important progress toward ensuring that our community of chemical professionals treats its members with respect, including those from groups historically underrepresented in the sciences and our LGBTQ+ colleagues, there is still work to be done in this area. The established ACS governance structures, which enable and support continuous efforts but have traditionally required long-term commitments and travel to meetings, underutilize the talents of some members, including technicians and other industrial professionals, international members, high school, and two-year college faculty members, as well as both early-career and senior chemists. I am committed to working within the governance structure to provide more focused, short-term opportunities for members with a broad range of backgrounds and experiences to contribute meaningfully, in ways that amplify their diverse perspectives, to initiatives that further the ACS Goals.

Regardless of the outcome of this election, **I will work constructively, respectfully, collaboratively, and creatively with you to advance ACS for its members and society.** Although I don't claim to have all the answers, or even all the questions, I do have a considerable track record of leading positive, collaborative teams

that get things done. If I am chosen as a candidate and subsequently elected, I will work within existing ACS structures to effect change, acting in collaboration with and amplifying the work of committees, local sections and divisions, international science chapters and student chapters, rather than focusing on starting new initiatives from scratch. It would be an honor to be selected by my peers in Council as a candidate for 2023 President-Elect and I thank you for your consideration.

HERNANDEZ, RIGOBERTO *Georgia Section*. Johns Hopkins University, Baltimore, Maryland.

Academic Record: Princeton University, B.S.E., 1989; University of California, Berkeley, Ph.D., 1993.

Honors: Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences, SERMACS, 2018; Herty Medal, 2017; ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences, 2014; Outstanding Service Award, ACS Georgia Section, 2012; ACS Fellow, 2010; Cottrell IMPACT Award, Research Corporation, 2020; RSC, Fellow, 2020; Transformational Research and Excellence in Education Award, Research Corporation, 2016; Phi Beta Kappa Visiting Scholar, 2015-16; Diversity Award, Council of Chemical Research, 2015; Diversity Champion Award, Georgia Tech 2013; APS Fellow, 2011; Vasser Woolley Faculty Fellow, Georgia Tech, 2011-13; Humboldt Research Fellow, 2006-08; American Association for the Advancement of Science, Fellow, 2005; Goizueta Foundation Junior Professor, Georgia Tech, 2002-06; Alfred P. Sloan Fellow, 2000; Sigma Xi Southeast Regional Young Investigator, 2002, 2000; Research Corporation Cottrell Scholar, 1999; Blanchard Assistant Professor of Chemistry, Georgia Tech, 1999-01; National Science Foundation CAREER Award, 1997; Feinberg Postdoctoral Fellow, 1994; AT&T CRFP Fellow, 1989-93; NSF Graduate Fellow, 1989-92; and Sigma Xi, Member, 1994.

Professional Positions (for past 10 years): Johns Hopkins University, Gompf Family Professor of Chemistry, 2016 to date, Professor of Chemical and Biomolecular Engineering, by courtesy, 2020 to date, Professor Materials Science and Engineering, by courtesy, 2020 to date, Director, Open Chemistry Collaborative in Diversity Equity (OXIDE), 2011 to date; Georgia Institute of Technology, Adjunct Professor, 2016-18, Professor, 2009-16, Associate Professor, 2002-09, Co-Director of Center for Computational Molecular Sciences and Technology, 2000-16.

Service in ACS National Offices: Committee on Budget & Finance, Member, 2016-21; National Awards Advisory Board, Chair, 2018-21; Board of Directors, Director, District IV, 2014-19; Councilor ex officio, 2014-19; Committee on Professional and Member Relations, Member, 2017-19, 2014; Committee on Grants and Awards, Member, 2014-16; Committee on Science, Member, 2013; Committee on Committees, Member, 2009-12; Committee on Divisional Activities, Member, 2004-08; Joint DAC/LSAC Subcommittee, Co-Chair, 2005-07; Board Committee on "Minorities in Academe Implementation Team," 2003-04; Hildebrandt Award Canvassing Committee, 2002-04.

Service in ACS Offices: *Georgia Section:* Bylaw Councilor, 2012, Alternate Councilor, 2012-13, Councilor, 2003-11; Past-Chair, 2000; Chair, 1999, Chair-Elect, 1998; Herty Award Committee, Chair, 2006-16; 75th Herty Medal Celebration Chair, 2009; Herty Medal Undergraduate Research Symposium, Founding Chair, 2006-10. *Computers in Chemistry Division:* Alternate Councilor, 2013.

Member (current): Member ACS since 1992. American Association for the Advancement of Science; American Physical Society; Biophysical Society. *ACS Division(s):* Computers in Chemistry; Physical Chemistry.

Related Activities: Education Advisory Board (EAB) of *Chemical Reviews*, 2022 to date; Committee on Opportunities in Science, American Association for the Advancement of Science, 2020 to date; EAB of *Journal of Physical Chemistry*, 2019 to date; Academic Leadership Training Workshop, co-Founder and

Chair, 2016 to date; Minority National Science Foundation (NSF), Science Technology Engineering and Mathematics (STEM) PhD Advisory Committee, Sloan Foundation, 2013 to date; Scialog Review Committee, Chemical Machinery of the Cell, Research Corporation, 2018-21; Science and Software Advisory Board (SSAB), Molecular Sciences Software Institute, 2017-19, Chair, 2019, Vice-Chair, 2018; STEM Education Review Committee, American Association for the Advancement of Science, 2015-16; Executive Board, Georgia Tech Faculty, 2013-16; National Institute of Health (NIH), Macromolecular Structure and Function B (MSFB) Study Section, 2009-13; Research Corporation Cottrell Scholars Advisory Committee Member, 2011-17 and Chair, 2016-17; National Academies Board on Chemical Sciences and Technology, 2007-10; Board of Directors of Telluride Science Research Center, 2007-09; External Review Committee for Morehouse College Chemistry Department, 2007; Steering Committee for NSF Workshop on complexity and emergent phenomenon, 2007; Steering Committee for NSF Workshop on excellence empowered by a diverse workforce, 2007; National Academies Committee on Revealing Chemistry through Advanced Chemical Imaging, 2005-06; published over 150 peer-reviewed articles to date.

STATEMENT
Rigoberto Hernandez

Do you still need the American Chemical Society? We were here together when you started your path as a chemist. If you are reading this, we are still together as you have continued to see and experience the value of membership. Together, we publish the leading molecular science, we train chemists at all stages of their careers, we advocate for science and education to the public and governments, and we accelerate careers and innovation in molecular science and engineering. Despite this, our society faces an existential crisis posed by declining memberships as social media and other technologies are flattening communication and access to professional networking. Thus, the ACS must change, and I ask you to help me make the changes that you and our future members need.

The ACS should be the first place that everyone turns to when they have any concern related to the molecular sciences and engineering. Our journals are the “Most trusted. Most cited. Most Read.” They are the first place many molecular scientists turn to when they want to disseminate or learn new advances. Our national and international meetings have historically been among the largest such meetings in chemistry. Many chemists still receive their first grant, as well as paradigm shifting grants later in their career, from our Petroleum Research Fund. The US Congress chartered the ACS in 1937 as an advocate for the chemical enterprise and its practitioners. Thus, in many ways, the ACS has been first in the molecular sciences for the past century or more. The challenge and responsibility for us is to redefine and expand what it means to be ACS First across all our membership worldwide, and to do this in a way that helps existing and emerging members appreciate the value of our society. To this end, if elected, I would commission an **ACS First** Task Force charged to establish the ACS First brand and provide a vision for how the ACS can be the primary home for chemists, and all who wish to interact with us.

Perhaps the easiest way to ensure that once a chemist is a member of the ACS, they remain a member is to offer ACS life memberships. After all, what binds us together is not necessarily what we work on now, but instead it is the way we think about solving problems from a molecular perspective. In the article, “ACS: Your brick-and-mortar and virtual network all in one” [[C&EN 96:10, 34 \(2018\)](#)], I argued that this commonality among our very diverse membership is the key to the value proposition for being members. So, if we can be chemists for life, why can't we also be ACS members for life? I appreciate that there are challenges to taking this vision to reality because we must work out the finances of such an offer, and we need to clarify the rights and responsibilities of life members. If elected, I would therefore champion an **ACS for Life** Task Force charged to construct an implementation plan that would allow members to truly be engaged with the ACS throughout their life.

In recent years, we have learned the power of the ACS to address the challenge of chemical safety by way of creating a safety culture. That is, safety is not just something we talk about in a yearly training class, but rather it is something that must be ingrained through continuous practice. In a similar way, advancing diversity, equity,

and inclusion is not a practice that we can do through one-time events or training. I have learned through my work with the Open Chemistry Collaborative in Diversity Equity (OXIDE) that creating and fostering a **diverse culture** is critical for advancing inclusive excellence. I am excited about the new directions in the ACS establishing DEIR as a core value and look forward to taking it to action through championing the notion of a diversity culture throughout all of our activities.

I hope that you will give me the chance to promote ACS First, ACS for Life and Diversity Culture over the next few years. Promotion of the ACS First brand would remind not just members, but all the chemical enterprise, government organizations and the public, that they should turn to us when they need chemical solutions or advice. Life members would provide stability to our membership and would allow us to reward such members with the security of engagement with us throughout their lives. Finally, we are stronger because of the diversity of our membership—spanning many disciplines and people from different races, ethnicities, and countries—and we can ensure that strength only through the inclusion and belonging, that an authentic diversity culture will bring. I ask you to help me make the change you want and need for the ACS.

MONTES, INGRID Puerto Rico Section. University of Puerto Rico, San Juan, Puerto Rico.

Academic Record: University of Puerto Rico, B.S., 1980; Ph.D., 1985.

Honors: ACS Volunteer Service Award, 2012; ACS Fellow, 2010; Igaravidez Award, ACS Puerto Rico Section, 2006; Salute to Excellence Award, Committee on Community Activities, National Chemistry Week Coordinator, 2004; Chemical Education Award, ACS Puerto Rico Section, 1999; IUPAC 2017 Distinguished Women in Chemistry or Chemical Engineering Awards, Fellow International Pure and Applied Chemistry, 2006; Academic Excellence and Productivity Award, University of Puerto Rico, 1997.

Professional Positions (for past 10 years): University of Puerto Rico-Río Piedras Campus, Professor, 1998 to date, Assistant Dean of Graduate Studies and Research, 2015-18, Pre-MARC Program Coordinator, 1992-2015.

Service in ACS National Offices: Board of Directors, Director-at-Large, 2013-21; Councilor ex officio, 2013-21; Board Globalization Liaison 2018; Committee on Professional & Member Relations, Member, 2013-21, Chair 2017; Committee on Public Affairs & Public Relations, Member, 2020-21, 2013-14; Web Strategy & Innovation Subcommittee Chair 2014-16; Committee on Grants & Awards, Member, 2015-16; Task Force on Governance Design 2016-18; Development Advisory 2015-18; Volunteer Leader for the SEED Anniversary Appeal 2018; Committee on Committees, Member, 2010-12; Committee on Education, Member, 2001-09; Committee on Community Activities, Member, 2004-09, Chair, 2007-09; Editorial Board, *Journal of Chemical Education*, 2010 to date; National Chemistry Week Task Force, 1999-04; Advisory Board, *ChemMatters* Magazine, 2006-09, Chair, 2007-09; Task Force on Undergraduate Education, 1999-01.

Service in ACS Offices: *Puerto Rico Section:* Councilor, 1999-2013; Chair, 2011, 2003, 1995; Chair-Elect, 2021, 2010, 2002, 1994; Treasurer, 1998; Alternate Councilor, 1996-97; Secretary, 1992-93; Faculty Advisor of the Student Affiliate Chapter of the University of Puerto Rico-Río, Piedras 1989 to date; Puerto Rico National Chemistry Week Coordinator 1989 to date; CCED Coordinator 2008 to date. *Division of Chemical Education:* National Meetings Program Committee, 2002-08; Long Range Planning Committee, 2004-15, Chair 2010-15; 2007 ACS Fall National Meeting, Program Co-Chair. *Southeast Regional Meeting:* General Chair, 2022, 2009; Chair, Theme Team for the International Year of Chemistry Celebration, 2011; Representative of the ACS at the IUPAC 2011 Organizing Committee.

Member (current): Member ACS since 1981. International Union of Pure and Applied Chemistry; American Association for the Advancement of Science; Puerto Rico Chemists Association. *ACS Division(s):* American Association of Chemistry Teachers, Chemical Education; History of Chemistry; Organic Chemistry; Chemical Education; Professional Relations.

Related Activities: Founder of the “Festival de Química” (development of resources and implementation) of international events held in over 18 countries for the American Chemical Society (including Colombia, México, Chile, Perú, Panamá, Malaysia, Hungary, Australia, Taiwan, Nigeria, China, United Arab Emirates, etc.); Coordinator of the ACS webinars in Spanish; PI & Organizer of the project: Are Women Still Underrepresented in Science? ACS Challenge Grant for the 2011 IUPAC World Congress.

STATEMENT
Ingrid Montes

Thank you for considering me as a nominee for ACS President-Elect. I am very honored.

We are living through unprecedented times. Chemistry is the central science that leads discoveries, advances knowledge, and drives innovation. Chemistry continues to play a critical role in solving global challenges, including the pandemic we are currently facing. ACS must continue to demonstrate its commitment to advancing our profession, through education, communication with the general community, advocacy, and to its vision to improve all lives through the transforming power of chemistry. If elected as ACS President, I will focus my term on:

Supporting the three pillars of the U.N.’s Sustainable Development Goals (UNSDG): Social, economic, and environmental through the seven priorities identified by ACS. Chemistry is fundamental to providing leadership, innovation, and solutions to ensure a sustainable future. ACS is working on initiatives that I am committed to support while expanding our ability to address the UNSDGs through innovative activities and communicating chemistry’s roles in achieving these goals while fostering strong collaborations with our global partner societies. I am committed to engaging the active participation of ACS members, including students, to leverage their expertise to help us to address these goals.

Advancing the development of a skilled chemical sciences pipeline: ACS is uniquely positioned to make a difference in encouraging students to pursue careers in chemistry and chemical engineering while assisting professionals with retaining their jobs. It is particularly important to support the development and retention of a diverse pipeline. As expressed in my C&EN Comment last December, this will require a better understanding of the causes that affect the statistics, and an evaluation of what areas need to be addressed. ACS has resources and programs that professionals from government and industry can leverage while joining educators to actively interact with students, their communities, and the younger generation of professionals to build a skilled pipeline. We must take on the responsibility of serving as mentors, role models, ambassadors, and champions for our profession, and for our science. I am committed to fostering communication and collaboration between ACS and professionals from the different sectors to develop and implement an action plan.

Promoting ACS as a chemist’s professional home: One of the major strengths of ACS is its staff and membership and their tireless work as volunteers, something that I have always highly respected and valued. If elected, I will ensure open communication with all stakeholders to better understand their needs and encourage all chemical scientists to make ACS their professional “home”. I will bring my experience with working with volunteers, especially students, educators, and other professionals, to empower them to communicate chemistry’s value.

Embracing and Advancing Inclusion in Chemistry: There is more to do to develop an inclusive culture. As a Latina, and a champion for promoting inclusion through my active role and participation in the ACS Diversity, Equity, Inclusion, and Respect Advisory Board, working groups and committees, my commitment is to support

the continuing efforts to broaden participation within in chemistry. Working together; staff, the Board of Directors, other governance leaders, divisions, and local sections can help to expand the impact of these efforts, where appropriate.

My qualifications to fulfill these goals include being a visionary and trustworthy member and an ACS volunteer for 42 years. Being the recipient of the 2012 Award for Volunteer Service to ACS demonstrates my commitment to serving the Society and our profession. I have been Director-at-Large on the Board of Directors for nine years and have served as Chair in other leadership positions in various capacities for ACS, including at the local section level. I have demonstrated my commitment to work closely with volunteers to communicate the value of chemistry as the Founder of the very successful Chemistry Festival outreach program and Co-Founder of the Spanish webinar series. I have been an international networking facilitator, working to engage with and support thousands of national and international volunteers. I have established strategic relationships with many partner international and national societies such as helping to establish Chemical Enterprise Partnership with SACNAS. As an educator for 36 years, and Student Chapter Faculty Adviser for 32 years, of an outstanding Student Chapter, I have experience with encouraging the younger generation to excel and accomplish their goals.

I am committed to working tirelessly to achieve the proposed goals; however, the success will depend upon support from every member! Thank you for your time, consideration, and for considering me for ACS President-Elect.

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 2023-2025 term:

DISTRICT II

Kimberly Agnew-Heard
Gerard Baillely
Mark E. Jones
Marcy Towns

DISTRICT IV

Christopher J. Bannochie
Carmen Gauthier
Lisa Houston
Pamela M. Leggett-Robinson

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 II and IV with the results of the balloting to be announced in *Chemical & Engineering News*, and at the 2022 virtual Council meeting on March 23, 2022.

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

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 Bryan Balazs and Dorothy J. Phillips. Dorothy J. Phillips is ineligible for reelection and Bryan Balazs elected not to run.

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

Wayne E. Jones, Jr.2021-2023
Carolyn Ribes.....2021-2023
Natalie A. LaFranzo.....2022-2024
Lee H. Latimer.2022-2024

The Committee on Nominations and Elections announces selection of the following candidates for Directors-at-Large for a 2023-2025 term:

Milagros (Milly) Delgado
Malika Jeffries-El
Will E. Lynch
Ellene Tratras Contis

Biographies of the candidates follow.

DELGADO, MILAGROS (Milly). *South Florida Section.* Florida International University, Biscayne Bay Campus, North Miami, Florida.

Academic Record: University of Puerto Rico, B.S., 1980; University of Miami, Ph.D., 1987.

Honors: ACS Fellow, 2018; ACS ZC Morales-Martinez Prize for Outstanding Mentoring to the ACS Scholars, 2015; Outstanding Service Award South Florida Section, ACS 2015; Outstanding Outreach Volunteer Award, South Florida Section, 2014, Florida International University (FIU) Outstanding Life Achievement Award for Service with Student Chapter, 2019; FIU Worlds Ahead Leading by Example Award with Student Chapter, 2019; College of Arts, Science, and Education: Service Award 2019, 2016; Teaching Award 2018, Community Engagement Award 2017. HHMI Stem Founding Fellow 2015; Florida International University TIP Award, 1997; Florida International University Finalist, Service Award 1997; Florida International University Excellence in Teaching Award, 1995; McKnight Fellow, 1993; Sigma Xi.

Professional Positions (for past 10 years): Florida International University, Director of Undergraduate Studies, Chemistry Department 2018-present, Teaching Professor, 2018 to date, Senior Lecturer, 2012-18, Lecturer, 1994-2011.

Service in ACS National Offices: Committee on Education, Member, 2017-23, Committee Associate, 2016; Committee on Nominations and Elections, Member, 2010-15, Vice-Chair, 2015, Secretary, 2013-14; Committee on Committees, 2004-09; Committee on Project SEED, 1995-03, Chair, 2001-03, Committee Associate, 1994; Committee on Minority Affairs, 1998-04, Committee Associate, 1997; Committee on Education, Committee Associate, 1998-99; Task Force on National Committee Restructuring, 2008.

Service in ACS Offices: *South Florida Section:* Councilor, 1996-2022; Secretary, 2008-21, 1995-2007; 1995 Illustrated Poem Contest, Chair, 2013 to date; ACS Scholars Selection Committee, 2001 to date; New Faculty Workshop, Vice-Chair 2020 to date, Member 2016 to date; National Awards, Canvassing Committee on Encouraging Minorities into Careers in Science, Chair 2009; Selection Committee on Encouraging Women into Careers in Science, 2009-12; Membership Subcommittee Chair, 1998-2010; Project SEED Scholarship Committee, 1995-2003, Chair, 1996-2000.

Member (current): Member ACS since 1984. Society for the Advancement of Chicanos and Native Americans; Association of Women in Science, American Association of Chemistry Teachers. *ACS Division(s):* Chemical Education.

Related Activities: ACS Scholar Mentor 1994 to date; Educational, Excellence Advisory Council for MAST@FIU, 2015 to date; Citizen Advisory Committee Miami Dade Public Schools, 2012 to date; Student Chapter Advisor of FIU-Biscayne Bay Campus Chapter, 2001 to date; National Chemistry Week, Dade County, 1989 to date; Hands-On Inquiry-Based Chemistry workshop for High School Teachers – Organizer, 2012–16; Leadership Subcommittee of Committee on Committees, 2004-09; Miami-Dade County Public School Region 2, Science Advisory Board 1998 to 2018; Miami-Dade County Public School Region 2 Feeder Pattern Coordinator 2003-05; Academy of the Art of Teaching, Advisory Board 1997 to 2015; Florida International University, Assistant Professor, 1990-94; Visiting Professor, 1989-90; University of Miami, Research Associate, 1989-90; University of Oxford, England, Post-doctoral Fellow, 1988-89.

JEFFRIES-EL, MALIKA. *Northeastern Section.* Boston University, Boston, MA.

Academic Record: Wellesley Coll., B.A., 1996; George Washington University, M. Phil., 1999, Ph.D., 2002.

Honors: C&EN Trailblazer 2021; ACS Fellow, 2018; Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences, 2015; American Chemical Society Women Chemists Committee Rising Star Award, 2012; Percy Julian Award, 2021; Alpha Alpha Alpha National Honor Society, 2021; Royal Society of Chemistry (RSC) Fellow 2021; Agnes Fay Morgan Award, 2014; Lloyd Ferguson Award, 2010; National Science Foundation Career Award, 2009; Science Spectrum Magazine Emerald Honors, 2008; 3M Nontenured Faculty Award, 2008.

Professional Positions (for past 10 years): Boston University, Associate Dean for the Graduate School in Arts and Sciences, 2020 to date; Associate Professor, 2016 to date; Massachusetts Institute of Technology, Martin Luther King Visiting Professor, 2014-15; Iowa State University, Associate Professor, 2012-15, Assistant Professor, 2005-12.

Service in ACS National Offices: Committee on Publications, Member, 2020-23; Society Committee on Education, Committee Associate, 2010-13; Women Chemists Committee, Committee Associate, 2018-19; Younger Chemist Committee, Member, 2005-10, Committee Associate, 2002-04.

Service in ACS Offices: *Northeastern Section:* Councilor, 2020-22, Alternate Councilor, 2018-19; *Ames Section:* Councilor, 2011-15; *Organic Chemistry Division:* Alternate Councilor, 2017-18.

Member (current): Member ACS since 1999. American Association for the Advancement of Science (AAAS), National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, Sigma Xi. *ACS Division(s):* Organic; Professional Relations; Polymeric Materials Science & Engineering.

Related Activities: Editorial Advisory Board *ACS Central Science*, 2021 to date; Editorial Advisory Board, *Chemical and Engineering News* 2009-12; 2021 to date; ACS Member at Large, Division of Organic

Chemistry 2014-16; Program Committee, ACS Division of Polymer Chemistry 2014-16; Editorial Advisory Board *Macromolecules* 2013-15; Advisory Board, Women Chemist of Color initiative 2010-13; Advisory Board COACH 2021 to date; Co-chair National Science Foundation (NSF) Division of Chemistry Committee of Visitors, 2020; Associate Editor, *Journals of Material Chemistry* 2013 to date; Chemical Sciences Roundtable (National Academies of Science, Engineering and Medicine), Member, 2017 to date; Moderator RSC Twitter Poster Conference 2017 to date; Advisory Committee, Boston Women of Color 2018 to date; Advisory Board, Open Chemistry Collaborative in Diversity Equity (OXIDE) 2013 to date; Steering committee AGEP-Graduate Research Supplement Conference, 2021; Diversity, Equity, And Inclusion In Chemistry And Chemical Engineering workshop, Organizing Committee; Chemical Science Round Table, 2021; MIT Diverse Leaders of Tomorrow workshop; NSF Early Career Investigator workshop, Co-organizer, 2016; Author of nearly 50 publications, 2 patents, 2 book chapters, and almost 200 technical talks domestically and abroad.

LYNCH, WILL E. Coastal Georgia Section. Georgia Southern University, Savannah, Georgia.

Academic Record: Kalamazoo College, B.A., 1986; Wayne State University, Ph.D., 1991.

Honors: Coastal Georgia Section ACS Service Award, 1999; Armstrong Atlantic State University Alumni Award for Service to the Discipline, 2004; Sigma Xi.

Professional Positions (for past ten years): Georgia Southern University, Department Chair and Professor, 2018 to date; Armstrong State University, Professor, 2005-18, Department Head, 2006-18.

Service in ACS National Offices: Council Policy Committee, Member (Voting), 2019-22, (Nonvoting), 2005-07; Committee on Strategic Planning, Member, 2019-21; Committee on Strategic Planning, Roadmap Implementation Subcommittee Chair, 2020-21, Committee on Divisional Activities, 2017-18; Committee on Meetings and Expositions, 2011-16; Chair, 2013-15; Committee on Committees, 2008-10; Committee on Local Section Activities, 2002-07, Chair, 2005-07; Committee Associate, 2000-01; Committee on Planning, 2005-07.

Service in ACS Offices: *Coastal Georgia Section:* Councilor, 1999 to date; Chair, 2009, 1997; Chair-Elect, 1996, Noble Gas Editor, 2006, 1997-2000, Executive Committee, 1996 to date; *Southeastern Regional Meeting of the ACS:* SERMACS 2019, General Chair; X-ray Crystallography in the SE, Symposium Organizer, 2019; Bioinorganic Modeling, Symposium Organizer, 2006, Technical Program Chair, SERMACS 2001, Steering Committee, 1997-2001, Symposium Organizer, 125th Anniversary, ACS Charles Herty and the Savannah Pulp and Paper Laboratory, National Historic Chemical Landmark, Symposium, 2001, Symposium Organizer, *Advances in Modern Inorganic Laboratories*, 2001; *ACS Southeastern Region:* Executive Committee, 2016 to date, 2004-06, Treasurer, 2021 to date, Past-Chair, 2018; Chair, 2017; Chair-Elect, 2016; Past-Chair 2006, Chair 2005, Chair-Elect 2004.

Member (current): Member ACS since 1987. American Physical Society; Science History Institute; Council on Undergraduate Research; American Crystallographic Association. *ACS Division(s):* Professional Relations; Chemical Education; Inorganic Chemistry.

Related Activities: United States National Chemistry Olympiad College Mentor, 2008, 2007; Project SEED Coordinator, 2003; ACS Student Affiliates Advisor, 1996-99.

TRATRAS CONTIS, ELLENE. *Huron Valley Section.* Eastern Michigan University, Ypsilanti, Michigan.

Academic Record: Youngstown State University, B.S., 1968; University of Pittsburgh, M.S., 1971; University of Michigan, Ph.D., 2001.

Honors: ACS Fellow 2015; Fulbright Specialist Scholar, 2014-19; Michigan Philanthropy Award, Distinguished Volunteer for Women in Philanthropy at Eastern Michigan University, 2012; Institutional Award for cross-divisional work on the Research Undergraduate Symposium, 2003; Michigan Association of Governing Boards' Distinguished Faculty, 1993; Eastern Michigan University Distinguished Faculty Award for Teaching Excellence, 1979; 4th International Forum on Academics and Science-North American delegate/participant (one of 12 academicians from North America), Thessaloniki Greece, December 2001, to develop worldwide policies for science linkages. American Council on Education (ACE) Fellow nominee from Eastern Michigan University, 1997.

Professional Positions (for past ten years): Eastern Michigan University, Professor, 1971 to date, Creative Scientific Inquiry Experiences, Founder and Director, 2005-21.

Service in ACS National Offices: Committee on Economic and Professional Affairs, Member, 2019-22, Committee Associate, 2018; Committee on International Activities, Member, 2009-17, Chair, 2016-17, Subcommittee-Europe and the Middle East, Chair, 2013-16, Associate Member, 2005-08; Committee on Nominations and Elections, Vote 20/20 Task Force, 2017-18; Council Policy Committee LRP Subcommittee, 2017-18; Task Force, Committee on Professional Training-Council Resources, 2018.

Service in ACS Offices: *Huron Valley Section:* Councilor, 2009-23, Alternate Councilor, 2003-08; Chair, 2009, Chair-Elect, 2008, Secretary, 2006-08; Various Regional Conference Outreach Committees.

Member (current): Member ACS since 1972. American Association for the Advancement of Science; US National Committee for the International Union of Pure and Applied Chemistry; Michigan College Chemistry Teachers Association; Alpha Chi Sigma; Phi Lambda Upsilon Honorary Chemical Society. *ACS Division(s):* Chemical Education.

Related Activities: Organizer of five four-day International Flavor Conferences hosted by the Agricultural & Food Division: 2012, 2009, 2004, 2000, 1997; ACS Building Opportunity Out of Science and Technology (BOOST) Train-the-Trainer Institutes, 2016, 2015; ACS Global Chemical Code of Ethics (GCCE) Workshop, 2016; Asia Pacific International Chapters Conference (APICC) and the International Chapter Summit; International Activities Committee: *Water Innovation Treatment and Solutions* (WITS), 2014; ACS National Meetings: Indianapolis, Co-organizer, 2013, *Water: Global Problems, Local Solution*, San Francisco, 2017; International Research Experience for Undergraduates Symposium; Teaching, Researching & Community Building in the Global Chemical Enterprise, 2017; *Global Workforce Facilitator:* workshop on grant writing sponsored by US State Department at four Universities, 2016; ACS Global Chemists Code of Ethics Science and Technology Training Institute (GCCE STLI); ComSci Strategic Planning Retreat; MAC Strategic Planning Retreat, 2017; *Editorial Work/Consultancies/Review Panels*, Lead Editor of ACS Symposium Book, "*Responsible Conduct in Chemistry Research and Practice: Global Perspectives*"; National Science Foundation (NSF) Science Technology Engineering and Mathematics Talent Expansion Program (STEP), Program Reviewer, 2006-08; Eastern Michigan University (EMU)-Undergraduate Research Stimulus, Program Reviewer, 2009 to date; ACS Global Research Experiences, Exchanges and Training, Reviewer-international research collaborations between the US and foreign countries, 2011-12. Manuscript reviewer for the *Journal of Chemical Education* and *Analyst*, ongoing. EMU, Keal Research Awards, Reviewer for the Commission on Women, 2012 to date; EMU Women in Philanthropy, Reviewer and Co-Chair-Research Awards, 2010 to date; NSF STEP Review Panel for STEP, Washington DC, November, 2006-08. *Community (other):* Pan-Icarian Foundation, Chair, 2019; Director 1997-99, 2014 to date; Pan-Icarian

Brotherhood of America (PIB) of North America, President, 1995-96; EMU Scholarship Selection Committee, 2001-03; CAS Resource Development Board, 1996-2002; Institute for Diversity in Business Services Board, 1996-98; PAIDEIA of Michigan, founding member and officer, 2000-05; Women's Huron Valley Correctional Facility, Volunteer, 2018-19.

REQUEST FOR SUGGESTIONS FOR 2024 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, 2024, 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: Julianne Smist - nomelect@acs.org

PRESIDENT-ELECT

Incumbents in the 2022 Presidential succession are: President, Angela K. Wilson; President-Elect, Judith C. Giordan and Immediate Past President, H. N. Cheng. Nominees for President-Elect in 2023 are Frank D. Blum, Mary K. Carroll, Rigoberto Hernandez, and Ingrid Montes. 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 2023 are Wayne E. Jones, Jr. and Carolyn Ribes. Both are eligible for reelection.

Bryan Balazs, Natalie LaFranzo, Lee H. Latimer, and Dorothy Phillips, 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, 2023-2025: Milagros (Milly) Delgado, Malika Jeffries-El, Will E. Lynch, and Ellene Tratras Contis (see Council agenda **Item IV, C, pages 31-35**).

DIRECTOR, DISTRICT III

Elected by members of local sections having their headquarters in Delaware, New Jersey, Pennsylvania (except the Erie and Penn-York Sections), Maryland and the District of Columbia.

The incumbent, Teri Quinn Gray, is eligible for re-election.

DIRECTOR, DISTRICT VI

Elected by members of local sections having their headquarters in Alaska, Arizona, California, Hawaii, Nevada, Oregon, Washington; and those members with addresses in Arizona, Nevada, Oregon, and Washington who are not assigned to local sections.

The incumbent, Paul W. Jagodzinski, is ineligible for re-election.

OTHER DISTRICT DIRECTORS

The other District Directors who continue in office beyond 2023 are:

Katherine L. Lee, District I
Lisa M. Balbes, District V

District Directors will be elected this fall for the 2023-2025 term to represent Districts II and IV. The slates of nominees are (see **Item IV, B, page 30**):

DISTRICT II
Kimberly Agnew-Heard
Gerard Baillely
Mark E. Jones
Marcy Towns

DISTRICT IV
Christopher J. Bannochie
Carmen Gauthier
Lisa Houston
Pamela M. Leggett-Robinson

REQUEST FOR SUGGESTIONS FOR 2024 SOCIETY DIRECTORS AND OFFICERS

Attention: Julianne Smist
nomelect@acs.org

Dear Dr. Smist:

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

PRESIDENT-ELECT
(2024 is a Non-Academic Year)

Name _____ Local Section/Division _____

Justification/Experience _____

DIRECTOR-AT-LARGE

Name _____ Local Section/Division _____

Justification/Experience _____

***DIRECTOR, DISTRICT III**

Name _____ Local Section/Division _____

Justification/Experience _____

***DIRECTOR, DISTRICT VI**

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, 2022.)

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 25, 2021, 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 I and V, and Directors-at-Large (October 22, 2021).

COUNCIL POLICY COMMITTEE

Mark A. Benvenuto	156	*Matthew Grandbois	179
Arindam Bose	112	*Fran K. Kravitz	180
James C. Carver	171	*Louise M. Lawter	244
Gregory M. Ferrence	124		
*Donna G. Friedman	274		

COMMITTEE ON COMMITTEES

Rodney M. Bennett	171	*Susan V. Olesik	230
*Mary K. Engelman	244	Donivan R. Porterfield	169
George L. Heard	120	Daniel Rabinovich	145
*Malika Jeffries-El	277	*Susan M. Schelble	192
*Brian M. Mathes	180	Joseph P. Stoner	97

COMMITTEE ON NOMINATIONS AND ELECTIONS

*Allison Aldridge	239	Kenneth P. Fivizzani	100
Christopher J. Bannochie	158	Thomas R. Gilbert	165
Ella L. Davis	169	†Silvia Ronco	177
*Holly Davis	192	*Martin D. Rudd	204
*Peter K. Dorhout	286	†Frankie K. Wood-Black	177

Run-off for Fifth Place Tie

*Silvia Ronco	206
Frankie K. Wood Black	150

2022 PRESIDENT-ELECT

*Judith C. Giordan	6,311
John C. Warner	6,044

DIRECTOR, DISTRICT I

D. Richard Cobb	503
*Katherine L. Lee	1,013

DIRECTOR, DISTRICT V

*Lisa Balbes	918
Joseph A. Heppert	778

DIRECTOR-AT-LARGE

	Round 1	Round 2	Round 3
Rodney M. Bennett	33	--	--
Arlene A. Garrison	88	99	--
*Natalie A. LaFranzo	102	113	154
*Lee H. Latimer	107	115	157

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

REPORT OF THE PRESIDENT

Though 2022 has opened in a way that we had not imagined, I do have great optimism for ACS and the chemical sciences. ACS has new exciting opportunities for 2022, including a new membership plan, which includes a free option, available to anyone, including chemistry enthusiasts. I encourage you to aid in bringing more members to the society. We are all engaged in ACS for a reason – for the science, to serve our profession, to network, for a whole host of reasons – but, indeed, we have found ways that benefit each one of us. Let's provide these opportunities to others by encouraging our colleagues in industry, government, and academia to join, reaching out to undergraduate and graduate students, postdoctoral fellows, high school teachers, chemical technicians, environmental scientists, and others. Not only is membership individually rewarding, but broader participation also enables us as a society to better serve our profession across sectors.

During my time as ACS President-Elect, one of my responsibilities was to work with the Committee on Committees (ConC) and the ACS Board Chair to make committee assignments. As many of you know, this was a time of transition, shortening maximum allowed terms on committees, as well as enabling more of our members to serve on committees. I thank ConC for their incredible efforts during this transition, and to those of you who serve on committees for your patience in the process, and many of you for making new transitions to lend your talents, energy, and creativity to a new (to you) committee. Whatever your role – member, associate, or consultant – it is vital to the Society and to the chemical sciences, and I thank you for your willingness to serve.

In the ACS presidential succession, I have several priorities. Listed below is my progress towards these priorities.

Empower and equip. Workforce training and development opportunities are vital to our current and future workforce. To address this, a number of initiatives are underway. In 2021, I proposed a new program for ACS to build our efforts in entrepreneurship. I am delighted to report that the creation of a new dimension of the ACS Institute is underway – the Entrepreneur Center – which is planned to launch in late 2022 or early 2023. The Entrepreneur Center will provide a series of courses where members with interest in starting a business will gain tips about how to begin. While the initial start of this center is not intended to be a full-service source from the start to launch of a company, the intent is to be a source of early information about the entrepreneur process. This center builds upon years of programming and significant efforts of a number of ACS divisions and members, and I thank all of you who have worked in this domain and who will be working to launch this new center.

Another area of workforce development touches on rapidly shifting technological approaches. Already, we are seeing major shifts towards data-driven discovery in chemistry. When I was at the National Science Foundation several years ago, I had advocated for data driven discovery to become one of NSF's "Ten Big Ideas" – areas that push forward the frontiers of U.S. science and engineering research. At the time, I heard from many chemical scientists that this really was not a chemistry theme. Now, after only five years, it is exciting to see what incredible progress is being made in the chemical sciences utilizing machine learning and artificial intelligence (ML/AI). This growth in utilization can easily be seen at this meeting by viewing the number of abstracts that focus on ML/AI. In addition to the growth in data science approaches in the chemical sciences, I believe that we are on the edge of a major paradigm shift in computing – quantum computing. Several years ago, Chemical & Engineering News (C&EN) had an article entitled "Chemistry is quantum computing's killer app" (K. Bourzac, C&EN, 95(43), 2017). While there are still significant technology challenges with the hardware (some are being solved by chemists), we should be ready for this paradigm shift in computing, as it will have an impact across the field and throughout our lives.

How do we engage and be prepared? In considering ML/AI and quantum computing, both areas have steep learning curves. How can we ensure that the chemical workforce has a good starting point in these areas? Beginning at the Spring 2022 ACS Meeting in San Diego, *Saturday Sessions* will be held, providing training

in growing and emerging technology areas at a “101” (introductory) level, to provide a platform for greater understanding and engagement in these fields. In San Diego, the focus will be on ML/AI, and the focus in Chicago will be on quantum computing.

As we consider ML/AI, I encourage you to attend the Kavli Innovations in Chemistry Lecture in San Diego, featuring one of the best-known chemists in ML/AI (as well as quantum computing), Alan Aspuru-Guzuk, who will demonstrate the tremendous use of these approaches. As well, I draw your attention to one of the Presidential Symposia, “Big Data and Artificial Intelligence in Agricultural and Food Chemistry” to provide additional examples of the growing use and utility of ML/AI. In Chicago, “Human versus Machine” will be led by Phil Baran and organized by former ACS President Luis Echegoyen for a live demonstration of a human versus computer tackling chemical synthesis.

Communicate and advocate. The need to better communicate about the impact of the chemical sciences to the public and to our policymakers is critical. Every way that we can engage the public, from outreach to webinars is important. Beginning in Spring 2022, we will have an “Evening (or Afternoon) with the Public”, the Saturday before the formal start of the national meeting programming, providing the broader community with the opportunity to interact with a world-class chemical scientist. The inaugural speaker will be David Macmillan, 2021 Nobel Laureate. With the current pandemic and COVID protocols, we have had to restrict who is included in the “public” and how many people can be included in the event. Nonetheless, we will begin this exciting program in San Diego, with a special welcome to area Project SEED students.

In terms of communicating with the public, in April, I will participate in the Chemists Celebrate Earth Week (CCEW) celebration, “The Buzz about Bugs: Chemistry of Insects”, engaging with Michigan State University’s Department of Entomology and the MSU BugHouse - a fascinating outreach center – providing a virtual event. I encourage you to become engaged in CCEW. Every time we engage with the public provides an opportunity to build our future chemical workforce and broaden the public understanding of science, inspiring others to pursue careers in the sciences.

In April, I will visit Capitol Hill as I did last year. These (virtual) visits are so important, as a U.S. legislator (pre-pandemic) told me that science had become a special interest and that more scientists should be visiting the Hill. The importance of science became clear during the pandemic, but, as we know, focus changes easily. We need to ensure the vitality of chemical sciences and the chemistry workforce in areas such as education, workforce development, R&D, and manufacturing in chemistry. I encourage you to become involved. Initial engagement can seem daunting, but ACS’s Legislative Action Network provides training, guidance, and even letters to make involvement much easier.

Diversity and amplify. As ACS President-Elect, I have heard from a number of our members stating that ACS needs to “stick with science”, and that diversity, equity, inclusion, and respect (DEIR) belongs outside of ACS. While there are many ways to address this comment, one point here is that if we focus on “just on the science”, I am concerned that we will not have the workforce needed for the future. In the National Science Board’s Vision 2030 report, the STEM workforce of 2030 must incorporate the “Missing Millions” – historically underrepresented populations in science – to make up the anticipated shortage in qualified STEM professionals. ACS Project SEED, ACS Scholars, and ACS Bridge programs are three of the great ways that ACS is addressing this potential shortfall. There are so many more students who could be impacted by these programs. During National Chemistry Week 2021, I spent a day with ~400 students (~95% of the students are from populations underrepresented in STEM) and ~30 science educators from Detroit inner city schools for the West Point Leadership and Ethics in STEM event, sharing with the educators about ACS opportunities for their students, and engaging with these students about their interests. There is indeed much more need for these pipeline programs.

During this year, I will be partnering with the ACS Committee on Chemists with Disabilities to address disabilities in the workplace. An area of interest is chemical scientists with hidden (or invisible) disabilities

(i.e., Aspergers) and how we, as a profession, can work towards universal design towards success. There will be opportunities to weigh in on this important topic.

To engage in a discussion on support of women chemists, I participated in the IUPAC Global Women's Breakfast, with this year's theme "Empowering Diversity in Science" on February 16, engaging in a number of global events, as well as hosting one of my own, with speaker ACS member and member of the National Academy of Medicine Teresa Woodruff who spoke on "An Equation for Women's Success".

In the fall, I participated in an Institute of Electrical and Electronic Engineers (IEEE) panel discussion on "Women in Science & Technology: Volunteering to Lead" panel, with IEEE President Kathy Land, National Academy of Sciences President Marcia McNutt, and American Society of Mechanical Engineers President Nominee Karen Ohland. (<https://ieeetv.ieee.org/video/women-in-science-and-technology-volunteering-to-lead>) As well, I also participated in the Division of Energy and Fuels "Women in Energy Leadership" event as well as the Indiana Section's PREDICT (**PR**omoting **E**quity and **D**iversity in **C**hemis**T**ry) workshop.

Adapt and innovate: There is a bright future for ACS, being mindful of innovation and adaption that we must pursue to ensure the society remains strong, and relevant for chemical scientists. I appreciate the interactions that I have had with your committees, divisions, and local sections, hearing about what you are doing and what we can do better for our members, our society, and our world. I began the year with a virtual visit with the Northeastern Section of the American Chemical Society and had the opportunity to share "From Advances in Research to ACS Activities" with them, and also attended their leadership meeting, learning much about their terrific work. In hearing about their programming as well as activities in many other sections, virtual meetings provide a wonderful way for sections and divisions to connect, benefit from each other's programming, enable greater networking, and offer a virtual program together.

In the fall, it was a delight to participate in-person in the ACS Southeast and Southwest Regional Meetings, as well as participating in a number of virtual meetings and events including the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCChE) and the Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS), and the Columbus and Upper Peninsula Local Section Meetings. I thoroughly enjoyed the Heroes of Chemistry awards program, celebrating leading innovators in industry.

At the end of the year, I attended (virtual) Pacifichem, giving several talks, and participating in three research symposia I organized. (It was a surreal experience, having to shovel snow during a meeting dinner break rather than enjoying a stroll along Waikiki Beach!) Nonetheless, it was a good meeting, but nothing quite like the opportunity to engage with colleagues in person. I am delighted to be going to San Diego.

For the San Diego meeting, I draw your attention to the Presidential and President-recommends symposia and activities. There are a number of exciting symposia, ranging from a symposium sponsored by the Graduate Student Symposium Planning Committee (GSSPC) entitled "**Bonding with Nature's Proteins**", in memory of Ronald Breslow to **Excellence in Graduate Polymer Research**. We will also be celebrating the 50th anniversary of NOBCCChE.

And, finally, in closing, I welcome the opportunity to meet virtually, and have a rather open schedule for virtual meetings.

I look forward to further advancing the effectiveness and impact of ACS on the national and international fronts, striving to "*improve people's lives through the transforming power of chemistry*". Feel free to contact me at a.wilson@acs.org.

Angela K. Wilson

REPORT OF THE PRESIDENT-ELECT

It is an honor to address the Members of Council as ACS President-Elect! Thank you all for your efforts, service and support of Chemistry and ACS during this very challenging time. I, as many before me, am honored to have been elected by ACS members around the globe to the Presidential succession as 2022 President-Elect. And I am equally honored to work with President Wilson and Immediate Past President Cheng to continue to ensure **ACS remains a strong force and advocate for the chemical sciences and chemical scientists/engineers** at the national, state and local levels.

For me, perhaps most importantly, is that **we as chemists are a trusted voice for the chemical sciences and scientists/engineers with all people**—those trained in science and those not—with the skills to advocate for trust in science and trust in scientists. Because while chemistry has continued to shine brightly as a beacon of hope for addressing issues such as climate change and COVID treatments:

- the planet still needs sustainable solutions that chemistry can provide,
- we as leaders of the chemistry community need to ensure that diversity, equity, inclusion and respect come to full fruition for all people, and
- we must use the strength in our diversity as a basis for addressing trust in science and in each other.

For as we all know, despite the best efforts of all STEM professionals, even the greatest of scientific innovations, discoveries and potential solutions **cannot achieve their higher purpose if society does not trust and believe in the science and the scientists telling the story.**

With that as background, please allow me to share the initiatives which were at the heart of my campaign and which I am beginning in 2022. These are both new and also build on the work of others.

Trust in Science and SCIENTISTS - an overarching theme: At the heart of what I hope to accomplish as ACS President is to work with you to build a sustainable ACS-led initiative both 1) to provide our members with the skills and means to advocate for trust in science and scientists with all people *and* 2) to act as a platform for ACS to work with other scientific societies to gain greater critical mass in building trust in science. Such an initiative is not the work of one person. I am honored that together with the Chair of the ACS Board of Directors, and the ACS Secretary and General Counsel, we are working to define the most effective options for addressing this critical issue. Our aim is to have ideas in place that can be shared for input later in 2022 and for implementation starting in 2023.

Diversity, equity, inclusion and respect in all forms: Diversity in chemistry takes many forms – from demographic associations to career choices to chosen fields of chemistry! It is very important for the future of chemistry and the ACS that our members represent the exciting and broad spectrum of 21st century chemists. I am proud to be working to help provide opportunities to recruit, engage, involve and retain ACS members. I have been working with ACS Industry Member Programs to better determine how to engage with ventures and startups—and to help their employees and founders see value in ACS membership. After all, much of the science underpinning these startups comes from Academe and are the basis for the new sustainable companies of the 21st century! In addition, I am working with ACS President Wilson to support existing and newly developed initiatives to engage and retain ACS Scholars and Student Chapter participants as members. Furthermore, President Wilson and I have met with leadership from both the Committee on Committees and the Committee on the Nominations and Elections to build upon and further their work to ensure we understand, support and can help them expand initiatives to engage *all* ACS members to the extent each ACS member wishes to be engaged and contribute to ACS.

Nexus of science, career development, diversity and membership: We have learned a great deal about the importance, need and desire of ACS members to come together—to share their research, to support each other, to network and to learn from each other. And we have learned the potential of the virtual world as a

tool to deliver programming to a more diverse, global and interdisciplinary audience. Indeed many of our Divisions have pioneered just that! I am honored to be working with multiple ACS Divisions to develop virtual programming that will kick off in 2022 to address the nexus of science, commercial scale, and professional development to create Sustainable Value. STAY TUNED for the first one in mid-2022!

I have always believed we can accomplish more when we're all in this together. Together we not only are able to envision the world we want, together we can build that world. I look forward to working with and learning from you all. **Please let's all continue to work together**—to value Diversity, Equity, Inclusion, and Respect and use that as the basis to build trust in science and scientists and to continue to embody the ACS vision—improving all people's lives through the transforming power of chemistry. Thank you!

Judith C. Giordan

REPORT OF THE IMMEDIATE PAST PRESIDENT

The past year has been busy and exciting for me. Despite the pandemic, I have been working hard on activities related to growth, collaboration, and advocacy. I truly appreciate all the help and input that I have received. Here is a summary of my activities, with the emphasis on those that took place since my report in August 2021.

Industrial Engagement and Entrepreneurship. In August, I reported that the percentage of industrial ACS members has declined significantly in the past 30 years, from over 60% in 1985 to less than 45% today. Since the 1990s, many U.S. corporations have focused their R&D on near-term goals while deemphasizing long-term research. There has been significant innovation from academic labs and start-up companies. During the Council meeting in August, we had a productive discussion on two questions: 1) How do we enhance industrial engagement? 2) How can the ACS encourage academic inventors and entrepreneurs and support start-ups?

Since then, the ACS Membership staff and I have assembled a working group consisting of eight members from governance and four from staff, who reviewed input from Council and from our membership satisfaction survey. As a result of this study, we have compiled a list of 36 suggestions and grouped them into three categories: "Easy Wins" (8 suggestions), "Bigger Projects" (15 suggestions), and "Others" (13 suggestions). These will be further prioritized in order to obtain a number of actionable steps that are realistic, practical, and impactful.

One piece of vital member feedback is that industry values interdisciplinary exchange of ideas and opportunities to collaborate toward innovative and practical business solutions, as well as more support to start-ups. My thanks to ACS Membership staff, who have developed a program, *ACS In-Person Connect*, which is being piloted at the ACS Spring 2022 Meeting in San Diego meeting. This program provides an opportunity on the expo floor for industry members, academic inventors, entrepreneurs, service providers, consultants, and like-minded individuals to connect face-to-face to make deals, discuss new products and ideas, explore technology transfer, find investors, consultants, service providers, collaborators, and more. This is not just another networking event; rather, *ACS In-Person Connect* participants will be able to have deeper, more meaningful conversations and even make progress toward tangible business outcomes.

Innovation and Disciplinary Growth. A major activity of the chemistry enterprise involves research and innovation. To help grow the chemistry enterprise, we need to promote emerging and promising areas of innovation and apply them to new applications and opportunities. I have given many virtual talks this past year to local sections and other meetings to highlight research and job opportunities for our future chemists and chemical engineers. I have also taken the opportunity to advocate for support of research funding for innovation. As part of this effort, I wrote a Comment in *Chemical & Engineering News (C&EN)* on "New Frontiers and Opportunities for Chemistry" (6/7/2021) and an article on "Fostering Innovation" in *ACS Industry Matters* newsletter (12/9/2021).

One important area of innovation is Sustainability. I have continued my effort to publicize sustainability and green chemistry by giving talks at conferences and local sections. My purpose was to point out the need for sustainable green chemistry, give examples of their applications, and advocate for support. I also wrote two Comments in C&EN in the past two years and an article for *ACS Industry Matters* on sustainability (11/4/21). Furthermore, I co-organized a symposium with the Division of Environmental Chemistry on "Innovative Materials & Technologies for Environmental Sustainability" at the ACS Spring 2022 Meeting. Currently, I am in the process of organizing a symposium with the Division of Polymer Chemistry on "Green Polymer Chemistry and Sustainability" at the ACS Fall 2022 Meeting.

Another important area of innovation is digitalization and artificial intelligence, for which I wrote another C&EN Comment on "Chemistry in a Virtual and Digitized World" on 11/8/21 and co-organized a symposium with the Division of Agricultural & Food Chemistry on "Big Data and Artificial Intelligence in Agricultural and Food Chemistry" at the ACS Spring 2022 Meeting.

Meetings and Collaborations. One of the pleasures of serving in the Presidential succession is having the opportunity to talk with ACS members, staff, colleagues, and students. In this way, I could hear directly from our stakeholders about their concerns and discuss issues, and, at the same time, advocate for chemistry and publicize my platform and programs. In fact, I was involved with 55 talks and engagements in 2021 (18 at local sections, divisions, and committees, 13 other talks and engagements, 15 international engagements, and nine U.S. meetings). In addition, I participated in the virtual ACS Spring and Fall Meetings and four regional meetings. I also helped in the planning and organization of four ACS symposia and six ACS webinars in 2021.

As examples, in November I gave a talk on "Careers in Chemistry and Biochemistry" to UCLA undergraduate students, with an extensive Q&A session afterwards. I gave the opening remarks on Omaha Local Section 100th anniversary, where I spoke on the impact that local sections have on ACS membership, education, outreach, and publicity for chemistry. At Pacificchem in December, I gave a technical presentation on the use of nanoparticles for green chemistry.

As for international meetings, I gave a scientific talk on sustainability at the Brazilian Chemical Society meeting in November. I participated as speaker and panelist on a sustainability webinar (together with two German colleagues) organized by CAS, the Green Chemistry Institute®, and the German Chemical Society on 9/9/21. I spoke and served on a panel for the ACS-Chinese Chemical Society Education Forum on 11/26/21, together with three U.S. and three Chinese scientists. That virtual forum was well received with over 60,000 views!

More examples in the international arena include the signing of two Chemistry Enterprise Partnership agreements (CEP) with the Federation of Latin American Chemical Societies and Brazilian Chemical Society. I also participated with fellow Board member, Ingrid Montes, in the periodic dialogues with our international chapter colleagues that were arranged by ACS staff and the International Activities Committee (IAC). These were excellent opportunities to learn about the various activities organized by our international chemical sciences chapters.

Thank you for your support, and I look forward to our continued collaboration. Feel free to contact me at h.cheng@acs.org.

H. N. Cheng

REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

Fellow Councilors:

Welcome and congratulations to those of you 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.

Since the accompanying minutes of recent board actions are included elsewhere in the Council agenda, I will share some items that continue to be at the forefront of the Board's discussions this year. The Board is committed to addressing the ongoing challenges facing our community and seeks your continued collaboration to shape appropriate solutions.

Diversity, Equity, Inclusion and Respect (DEIR)

Our commitment to Diversity, Equity, Inclusion, and Respect remains strong. The Board continues to engage with the Society's Office of DEIR and supports their 2022 goals which include:

- Fostering an inclusive and accountable culture;
- Recording, tracking and sharing demographic data;
- Integrating diversity and equity in all programs, products, and services;
- Creating and deepening partnerships across the chemistry enterprise; and
- Communicating the value of DEIR.

I am excited to share two resources resulting from the ongoing efforts of ACS volunteers, members, and staff. The first is the [ACS Inclusivity Style Guide](#) which aims to help us communicate in ways that recognize and respect diversity in all its forms. The second is the [ACS Publications Diversity Data Report](#), which serves as a baseline assessment on gender, racial, ethnic, and regional representation in ACS Publications.

COVID: A continued challenge and change driver

COVID continues to challenge every aspect of the way we work and convene. Many of us have been personally affected by the challenges and losses within our ACS community. Despite another difficult year, our volunteer leaders continued to adapt. This resulted in enhanced operational efficiency, better access for our members, and an opportunity to reimagine the way we work as a Society.

Transformational Strategic Initiatives

In December, the Board of Directors and Executive Leadership Team met for a Strategic Initiatives Retreat to evaluate and develop a portfolio of new transformational initiatives. After careful review of the proposals, the Board of Directors approved four Strategic Initiatives that we feel will be transformational and have a long-term impact on ACS, the chemistry enterprise, as well as benefit Earth and all its people. The initiatives are: The Campaign for a Sustainable Future; Fostering a Skilled Technical Workforce; Accelerating Digital Research Data Products; CAS Solutions Expansion: Accelerating Life Sciences Growth. These Strategic Initiatives represent an investment of nine million dollars in 2022 with an expected investment of 50 million dollars over five years.

As we look to the coming year, I remain hopeful. I look forward to working with my Board colleagues, fellow Councilors, and ACS staff to continue to advance the broader chemistry enterprise and its practitioners for the benefit of Earth and all its people.

Paul W. Jagodzinski

**BOARD CHAIR'S REPORT
OF THE EXECUTIVE SESSION
ACTIONS AND DISCUSSION ITEMS
August 20 & 28, 2021**

The ACS Board of Directors met virtually in Executive Session, August 20 and 28, 2021 and it considered a number of key strategic issues and responded with several actions. The Board opened its session with a reflection on Diversity, Equity, Inclusion and Respect (DEIR), led by Board member Christina Bodurow.

The Board's Committees

The Board received and discussed reports from its committees on Budget and Finance, Executive Compensation, Professional and Member Relations, Public Affairs and Public Relations, the Advisory Board for the Green Chemistry Institute, the Governing Board for the American Association of Chemistry Teachers, and the Society committees on Education and Publications. The committees requested and obtained Board action on one or more items, as follows.

- On recommendation of the Society Committee on Publications, the Board voted to approve the reappointments of Editors-in-Chief for several ACS journals. Those appointments will be announced in *C&EN* once the individuals have been notified and appropriate arrangements for their continued service have been made.
- On recommendation of the Committee on Professional and Member Relations, the Board approved a Society nominee for the 2022 National Science Board Public Service Award.
- On the recommendation of the Committee on Budget and Finance, the Board approved the ACS 2022 Spring and Fall Meetings in-person/hybrid member registration fee at \$399 and the virtual member registration fee at \$199, both within a range of +/- 15%.
- On the recommendation of the Governing Board for the American Association of Chemistry Teachers (AACT), the Board approved amendments to the Board Regulations concerning the membership, appointment, and terms for the Governing Board for AACT.
- The Board received an extensive briefing and approved several recommendations from its Committee on Executive Compensation. The compensation of the Society's executive staff continues to be reviewed regularly by the Board.

The Chief Executive Officer's Report

The Board received an extensive report from the Chief Executive Officer on current issues relating to the Core Value of DEIR; COVID and the return to ACS Offices; Membership; Financials; and on upcoming events and activities. The Vice President for Philanthropy provided a presentation, "Impact of COVID on Fundraising" during the report. The presidents of CAS and ACS Publications engaged in discussions with the Board on the activities, opportunities, and challenges of their respective divisions.

Other Society Business

The Board heard reports from the Presidential Succession on their current and planned activities for 2021 and 2022; received relevant updates on current legal issues from the ACS General Counsel; and had an initial debrief on the ACS Fall 2021 meeting, including a review of the format, technology, key events, and the presentations of science information at the meeting.

The Executive Vice President for Scientific Advancement provided an update on ACS efforts to address the United Nations Sustainable Development Goals.

Members of the Board Working Group on Board Structure and Representation sought input from their Board colleagues on possible models for international representation on the Board.

Confirmation of Council Actions

As required in the Standing Rules, the Board voted and confirmed the Council's actions taken on August 25, 2021 to approve the Petition to Amend the Duties of the Committee on Minority Affairs; approved the continuation of the Committee on Environmental Improvement; and approved the ACS Professional Employment Guidelines (10th Edition).

**BOARD CHAIR'S REPORT
OF EXECUTIVE SESSION
ACTIONS AND DISCUSSION ITEMS
December 12-13, 2021**

The ACS Board of Directors met 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 to determine its chair and members of its Executive Committee for 2022. As a result, Paul W. Jagodzinski was elected to serve as Board chair for 2022; and Christine Bodurow and Wayne E. Jones, Jr. were selected to fill terms on the Executive Committee. Dr. Bodurow will fill a two-year term and Dr. Jones will fill a one-year term on the committee.

The Chief Executive Officer's Report

The Board received an extensive report from the CEO on issues relating to 'Focus on Members', one of the Core Values of the Society; Membership; ACS Events: Vision for 2022 and Beyond; 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 2022 development goal of \$4 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: Executive Compensation, Strategic Planning, the Governing Board for Publishing, Professional and Member Relations, Budget and Finance, and the Working Group on Board Structure and Representation. The highlights of those reports were as follows.

- On the recommendation of the Governing Board for Publishing, and in accord with Board Regulations, the Board approved the Financial Performance Targets for the ACS Publishing Units, 2022-2024.
- 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 Budget and Finance, the Board voted to approve a 2022 Proposed Operating Budget with a Net from Operations of \$49.0 million and to approve the 2022 Proposed Capital Budget of \$39.5 million. The Board also approved funding in 2022 for key strategic initiatives.
- On the recommendation of the Committee on Professional and Member Relations, the Board approved the National Awards Advisory Board Guidelines for identifying nominees for ACS External Awards, notably the Othmer Gold Medal and the Perkin Medal.
- 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 'Focus on Members' to ensure consistent language with the ACS Diversity Statement, and changes to the 'Challenges and Opportunities' Appendix. The revised plan will be posted at:
www.acs.org/strategicplan

- The Working Group on Board Structure and Representation continues to develop a proposal for a future Board structure/representation that would be more intentional about including international member representation on the Board. The group will be sharing a short survey and some visual illustrations of the options with Board members via email. The feedback will be used to focus the Working Group's actions and discussions. The group will also be developing a draft recommendation regarding potential term limits on Board committees, for presentation to the Board in March.

Other Society Business

By consent, the Board voted to approve the minutes of the August 20 and 28 Executive Sessions; ratified interim actions on editor appointments for several ACS journals; and approved the schedule and locations of the Board of Directors meetings in 2022. The Board also received an update from its committee charged with reviewing alleged violations of Volunteer/National Meeting Attendee Conduct Policy.

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 continuing impacts of the COVID-19 pandemic, many programs, travel, and other activities during 2021 were cancelled or conducted virtually, curtailed, or postponed. Plans and arrangements for meetings and activities in 2022 were also announced.

The Board adopted resolutions acknowledging departing Board members Luis Echegoyen (Immediate Past President), John E. Adams (District V) and Ingrid Montes (Director-at-Large) for their many contributions to the Board and to the Society, and acknowledging Mary Kirchhoff, Executive Vice President, Scientific Advancement, on her retirement from ACS.

New Board Members and Board Orientation

Three new Board members for 2022 (Judith C. Giordan, President-Elect; Lisa M. Balbes, Director, District V; and Natalie LaFranzo, Director-at Large) were welcomed as observers at the Board's committee meetings November 30, and December 3, 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 during the session December 13 on the structure of the Board committee system and how it serves the Board.

The Board voted to conduct its annual Orientation Session during the ACS Leadership Institute in Atlanta, Georgia, January 21, 2022.

REPORT OF THE EXECUTIVE DIRECTOR/CHIEF EXECUTIVE OFFICER

We began 2021 with optimism that we would see the end of COVID-19. Buoyed by the rollout of the vaccines, it seemed a reasonable expectation. The vaccines did bring a reduction in fatalities, and a midyear drop in the number of cases. However, by summer's end, the cases began to increase, and the emergence of the 'omicron' variant in December confirmed that the pandemic would extend into 2022.

The learnings from 2020 did greatly contribute to organizational agility, and to our ability to pivot as the pandemic waxed and waned. Our skills acquired in 2020, for example, allowed us to plan a successful 2021 spring virtual national meeting, in lieu of San Antonio. And when the COVID cases climbed again during July/August, we were able to adjust our plans for Atlanta. That meeting had already been planned as our first-ever hybrid national meeting.

Despite COVID challenges, 2021 proved to be a second year of advancement for ACS on many fronts.

The ACS Office of Diversity, Equity, Inclusion and Respect (DEIR) was initiated in March 2021, under the leadership of Rajendrani Mukhopadhyay. Her expanding team has brought strong leadership to our DEIR activities among ACS staff, volunteers, members, and in the broader chemistry enterprise beyond. DEIR training is a good example of this, as courses were provided for the ACS Board, the ACS executive leadership team, and active volunteers. Several hundred volunteers, and 97% of ACS staff have attended at least one course. Later in the year, the *ACS Inclusivity Style Guide* was made available across ACS, including to our grassroots units. The Guide was jointly developed by the Office of DEIR and our new Communications unit.

In order to streamline our communications activities, a single Communications unit was created. This change, also effected in March 2021, brought together C&EN (including cen.org), ACS Communications office, acs.org website, and our webinars and video production functions under the leadership of Sue Morrissey. The team has made impressive progress within its first nine months. We are seeing far better alignment of messaging among the units within Communications, but also with ACS Publications and with CAS.

2021 was also a year of change and progress for ACS governance processes supported by the Office of the Secretary and General Counsel. The Committee on Committees (ConC) offered major amendments to ACS Standing Rules in the form of the Petition to Harmonize Committee Structures, Processes, and Terms. These amendments were approved by Council and the Board and standardized and simplified our committee structure and operations.

2021 was a critical year for our new membership model. Thanks to support of our Board of Directors, and the action taken by Council in the spring, we were able to move forward with the 'Membership Transformation'. For the first time in the history of ACS, we can now offer multiple member benefit packages at differing price points. Our market research had indicated that this change was sought by members and potential members. It is also important to our growth internationally. A significant IT investment is underway to support this transformation providing the latest e-commerce capabilities.

ACS Membership for year-end 2021 exceeded 151,000 members. One encouraging trend was the increase in members selecting the premium and standard benefits packages available with the new membership model, introduced during the 4th quarter renewal cycle.

August 2021 saw our first-ever hybrid national meeting, as the continuing pandemic dictated that we try this new format for our Atlanta meeting. While the summer surge of COVID caused a shift of the majority of our attendance to virtual, the in-person meeting was successful, and much appreciated by the members who attended. We garnered numerous learnings that will be quite helpful, recognizing the expectations that most of our future meetings will have at least some hybrid events. In December, the first-ever virtual Pacificchem Conference was held. Despite the disappointment of terminating the in-person meeting in Hawaii, the meeting, produced by ACS for our partner Pacific rim societies, was enthusiastically attended.

ACS efforts on green and sustainable chemistry continued to grow in scope and importance. The ACS Green Chemistry Institute held its 25th Annual Green Chemistry & Engineering (GC&E) Conference as an all-virtual meeting due to the COVID-19 pandemic. GC&E Conference consisted of 39 scientific sessions, five poster sessions and five plenary lectures. A total of 1,324 scientists from 55 countries participated.

ACS collaborated with US FDA for a joint colloquium on micro and nano plastics in food. We worked once again with US EPA to sponsor the 2021 Green Chemistry Challenge Awards.

Our green chemistry educational activities included our (virtual) Summer School on Green Chemistry and Sustainable Energy, our green chemistry student travel awards, expansion of our ACS Green Chemistry Student Chapters, and continued progress in our three-year project to develop green and sustainable chemistry resources for undergraduate curricula.

Again in 2021, Project SEED (Summer Experiences for the Economically Disadvantaged) students participated in a four-week virtual summer camp. This year, 345 students studied under the direction of 82 'cabin leaders' and 19 mentors. Students learned about careers in chemistry, lab basics, and college preparation via webinars, independent assignments, and small group discussions. New this year was the virtual research pilot that was conducted for 28 students at 11 sites.

The U.S. National Chemistry Olympiad and the International Chemistry Olympiad were both held virtually, for the second year, owing to the pandemic. The study camp for our 20 US finalists was held virtually, but the selected team travelled to Washington, where the international exams were proctored by ACS volunteers. After the exam, the team relaxed during a two-day visit of capital sites. The US team performed very well in the international exam, garnering two gold and two silver medals.

With teachers continuing to cope with virtual and hybrid teaching, the pedagogic and classroom resources of the American Association of Chemistry Teachers (AACT) proved invaluable. AACT experienced another year of strong growth adding 8.5% new members to a year-end total of 8,725. AACT member satisfaction increased in all measured categories contributing to the sustained growth that we realized.

Our Education team also collaborated with ACS Publications for the launch of the ACS Institute. Following the recommendations of an ACS Board task force in 2019/2020, ACS announced and launched the ACS Institute during 2021. To date, staff have implemented seven education centers, each with its own on-demand and in-person content.

ACS Publications delivered a strong performance in 2021 despite the global challenges caused by the COVID-19 pandemic. The Division continued to make all COVID-19 relevant content free-to-access, supporting the fight against the virus, and increasing public awareness through relevant journal articles. Although the difficult environment reduced the output of research labs worldwide, ACS journals continued to grow in submissions, usage, and citations.

In 2021, the Division completed its bold initiative to support Open Access (OA) publishing with the introduction of nine ‘ACS Au’ pure OA journals to accompany *JACS Au*. These journals expand the Division’s ability to meet the needs of authors who are facing OA publication mandates from their funders and institutions. ChemRxiv, the Division’s preprint collaboration with the Chinese Chemical Society, the Chemical Society of Japan, the German Chemical Society, and the Royal Society of Chemistry, passed 10,000 posted preprints and 28 million views/downloads.

The Division’s new Digital Transformation group began work to accelerate digital initiatives and increase the diversification of ACS Publications offerings. For 2021, this included the introduction of the ACS Institute, an online learning platform offering developed in collaboration with the Education Division, delivering a collection of learning and training resources. A comprehensive strategic product roadmap covering future new product innovations was also defined.

Contributing to the success of CAS in 2021 (and beyond!) is its launch of the new ‘enterprise solutions’ go-to-market platforms. Multiple offerings were incorporated into both the CAS SciFinder Discovery Platform™ and the STN IP Protection Suite™.

CAS also contributed to the fight against COVID by its own contributions to scientific understanding of the SARS CoV-2 and the pandemic, and also through its work supporting public health efforts in its Columbus, OH location.

After the 2020 pilot, Human Resources extended our new performance management system, PM2020, across the entire organization in 2021. Our staff have responded positively to the quarterly performance check-ins, and they welcome the peer input to the process. HR was also deeply involved in responses to the pandemic. Our multiphase plan for return to the offices required logistical modifications and IT systems requirements created under HR guidance. Decisions on matters such as vaccination requirements, mask wearing, and other public health measures were made that are fundamental to our staged return to our offices.

Finally, 2021 marked another year of strong financial performance and resulted in a record net surplus from operations. This marks the 18th consecutive year that the Society has generated an operating surplus. The outstanding operating results were achieved due to the tireless efforts of ACS staff and stakeholders who remained steadfast in pursuit of the Society’s mission, while effectively managing the ongoing impacts of the pandemic. All five of our Financial Guidelines were met for the fourth consecutive year.

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 2021 meetings of the Governing Board for Publishing.

CAS

CAS President Manuel Guzman provided an executive summary of CAS's financial and operating highlights through the third quarter of 2021 and a performance update on the second Five-Year Plan for Growth and related 2021 key initiatives across the operating functions.

CAS's financial performance is very strong, despite the uncertainties of the pandemic. Content Operations is progressing project Phoenix to improve efficiency and provide content growth. A content workflow management platform has been selected through an RFP process, along with identifying new automation technology. Finally, the CAS re-branding initiative has gone well. Both staff and customers have embraced the new brand and its modern reflection of CAS. This has positioned CAS well for the future.

ACS Publications

Dr. James Milne, Division President for ACS Publications, opened the meeting by providing an overview of highlights through 2021. This included the Division's strong performance through a second year impacted by COVID-19, the creation of the Digital Transformation group, delivering on numerous DEIR activities, and the successful launch of the 'Au' journal portfolio. He provided more detail on various performance metrics before describing the Division's vision and strategic priorities for future success.

Thomas Connelly, Jr., Chair

DRAFT
MINUTES
COUNCIL POLICY COMMITTEE
AMERICAN CHEMICAL SOCIETY
Virtual
August 23, 2021

The Council Policy Committee (CPC) of the American Chemical Society met virtually on August 23, 2021, beginning at 11:00 a.m. ET. ACS President H.N. Cheng presided. Other voting members present were CPC Vice-Chair Martin D. Rudd, Thomas M. Connelly, Jr., Ella L. Davis, Lissa Dulany, Anne M. Gaffney, Lydia E.M. Hines, Elizabeth M. Howson, Will E. Lynch, Zaida C. Morales-Martinez, Sally B. Peters, Margaret J. Schooler, Jeanette Van Emon, and Angela K. Wilson. Flint H. Lewis served as Secretary.

The following chairs of Society Committees of the Council, all non-voting members of CPC, attended all or portions of the meeting: Eric A. Bruton, Rick Ewing, Donna G. Friedman, Carmen Gauthier, William Greenlee, Amber S. Hinkle, Diane Krone, Brian M. Mathes, W. Matthew Reichert, and James M. Takacs. ACS Board Chair Paul Jagodzinski attended. Several Councilors, ACS staff, and others were present as observers at various times during the meeting.

A moment of silence was granted in remembrance of former CPC member, Mark D. Frishberg, who passed away on July 10. Mark was the chair of the Long-Range Planning Subcommittee.

Open Forum

Time was allotted for Councilors to attend and ask questions or pose comments to CPC. Donivan Porterfield, Committee on Committees (ConC) Liaison to the Senior Chemists Committee (SCC), commented on travel challenges for international members on committees who are looking to be more actively involved—especially for activities held onsite at national meetings. He asked if CPC would consider ways to better include them. Joshua Obaleye (a member of SCC from Nigeria) is currently facing this challenge.

Approval of Minutes

1. The Council Policy Committee VOTED to approve the March 22 and May 13, 2021, minutes of the Council Policy Committee.

Reports of Committee Chairs and Society Officers

2. The Council Policy Committee VOTED to approve all the officer and committee reports, as reviewed by a subgroup of CPC on Friday, August 20, 2021.

A subgroup of CPC met to review all the oral reports and accompanying graphics by the President, President-Elect, Board Chair, Chief Executive Officer, and by the chairs of the Society Committees: the Committees on Committees, and Nominations and Elections, Economic and Professional Affairs, Analytical Reagents, Budget and Finance, Chemical Safety, Chemistry and Public Affairs, Chemists with Disabilities, Community Activities, Divisional Activities, Education, Environmental Improvement, Ethics, International Activities, Local Section Activities, Meetings and Expositions, Membership Affairs, Minority Affairs, Nomenclature, Terminology, and Symbols, Patents and Related Matters, Professional Training, Project SEED, Public Relations and Communications, Publications, Science, Senior Chemists, Women Chemists, and Younger Chemists.

By individual actions, CPC concurred in certain recommendations to be made to Council by the committees.

3. The Council Policy Committee VOTED to concur with the Committee on Committees recommendation that the Committee on Environmental Improvement be continued.

4. The Council Policy Committee VOTED to concur with the Committee on Committees recommendation to approve the *Petition to Amend the Duties of the Committee on Minority Affairs*.

5. The Council Policy Committee VOTED to concur with the Committee on Economic and Professional Affairs to approve the Professional Employment Guidelines.

Report of the Council Policy Committee Vice-Chair

Martin Rudd reported that he participated in the subgroup of CPC that reviewed all the reports and presentations before Council, and he offered his sincere thanks for the group's efforts and dedication of time. He concluded by noting that several CPC subcommittees and working groups met and proceeded by reporting on their activities as follows:

Reports of Subcommittees and Working Groups

Long-Range Planning

Martin Rudd reported that the subcommittee met virtually on May 17, 2021 to review the feedback from the New Councilor Virtual Orientation Program & Networking Session held on March 12, and met again on July 28 to finalize plans for hosting a virtual ACS Strategy Café for all Councilors during ACS Fall 2021. The Strategy Café was held on August 24 in collaboration with the Board Committee on Strategic Planning (SPC). This year's event focused on three key Change Drivers that may impact the strategic direction of the Society: (1) Strained Pipeline and Changing Workplace, (2) Chemistry and Social Responsibility, and (3) Scientific Doubt and Polarization in the U.S. There were 58 attendees at the Café, including Councilors, Alternate Councilors, and relevant Committee leaders.

Future Structure of Virtual Council

The CPC Working Group on the Future Structure of Virtual Council (FSVC) met in conjunction with the 2021 Fall Meeting to continue discussions on the future structure of Council. FSVC is considering various options regarding the frequency of Council meetings, the in-person or virtual formats, and possible rules to streamline reporting from Committees at Council. Informing these discussions is a whitepaper that was shared with the group entitled *Virtual Governance: Enhancing Volunteer Governance Engagement Through Technology*. A Councilor survey is being conducted and will provide more data directly from Councilors on their thoughts for the future structure of Council. All potential changes will be evaluated for their financial impact, as well as necessary changes to the ACS Governing Documents. Final recommendations will be presented to CPC for their review and input.

Future Council Representation

The CPC Working Group on Future Council Representation (FCR) also met in conjunction with the 2021 Fall Meeting to continue discussions on the future composition of Council. The goal of the working group is twofold: to ensure a pathway for all ACS members to be represented at Council and develop a model whereby the size of Council is aligned to allow for greater deliberation as an advisory body to the Society. FCR is primarily engaged with three ACS committees to develop a path forward for representation:

Local Section Activities (LSAC), Divisional Activities (DAC), and International Activities (IAC). LSAC is looking into ways to ensure that unassigned territories are represented with their nearest Local Section or their technical division. DAC will employ efforts to encourage division membership for all members, and IAC has been actively seeking a path for representation for international members and has developed two models. One model is directly linked to the expansion of a new District for the Board of Directors that would encompass international members. The Board has created a working group to review this, and other potential models for international member representation.

Schedule of Business Sessions

The following schedule of activities at the spring 2022 national meeting is the result of previous authorization by the Council Policy Committee:

Board of Directors:	Sunday, March 20
Council Policy Committee:	Tuesday, March 22
Council:	Wednesday, March 23

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

Council Agenda

6. The Council Policy Committee VOTED to approve the Council Agenda for the August 25, 2021 meeting of the Council.

CPC and Council 2021 Budgets

ACS Secretary Flint Lewis reported on the CPC and Council budgets and explained the various categories of their expenditures.

New Business

7. The Council Policy Committee VOTED to concur with the Committee on Nominations and Elections to approve the amendment for technology during the Virtual Council Meeting.

There being no further business, the meeting adjourned at 11:41 a.m. ET.

Flint H. Lewis
Secretary

DRAFT
MINUTES
COUNCIL POLICY COMMITTEE
AMERICAN CHEMICAL SOCIETY
Virtual
November 2, 2021

The Council Policy Committee (CPC) of the American Chemical Society met virtually on November 2, 2021, beginning at 4:00 p.m. ET. ACS President H.N. Cheng presided. Other voting members present were: Tom Connelly, Ella Davis, Lissa Dulany, Anne Gaffney, Lydia Hines, Elizabeth Howson, Zaida Morales-Martinez, Martin Rudd, Maggie Schooler, and Jeanette Van Emon. Flint H. Lewis served as Secretary.

The following chairs of the Society Committees of the Council, all non-voting members of CPC, attended all or portions of the meeting: Eric Bruton, Donna Friedman, Carmen Gauthier, Amber Hinkle, Diane Krone, Brian Mathes, Matthew Reichert, and James Takacs. Members of CPC beginning their terms in 2022 and ACS staff were present as observers at various times during the meeting.

Format for Spring 2022 Council and CPC Meetings

President Cheng asked for discussion and a vote on the format of the Council and Council Policy Committee meetings for the ACS Spring 2022 Meeting in San Diego, CA.

1. The Council Policy Committee VOTED to conduct the meeting of Council for the spring of 2022 through virtual means.

2. The Council Policy Committee VOTED to conduct the meeting of the Council Policy Committee for the spring of 2022 through virtual means.

Special Rules for a Virtual Council Meeting

Members reviewed and discussed the proposed Special Rules for Conducting Virtual ACS Council Meetings. These same rules were previously adopted for both virtual meetings of Council in 2021.

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

Dates for the Spring 2022 Council and CPC Meetings

President Cheng opened the floor for discussion on keeping Council at its regularly scheduled date, and scheduling the CPC meeting again two days prior to Council to allow more time to review and prepare reports for Council.

4. The Council Policy Committee VOTED that the meeting of Council for the spring of 2022 be held on Wednesday, March 23 at 11:00 a.m. ET.

5. The Council Policy Committee VOTED that the meeting of the Council Policy Committee for the spring of 2022 be held on Monday, March 21 at 11:00 a.m. ET.

Open Meeting Rules for Committees

President Cheng noted that pursuant to Standing Rule III, Sec. 3 (g) all Society Committees 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. The Council Policy Committee VOTED to suspend the requirement that Society Committees must hold an Open meeting.

Oral Reports at Council

President Cheng led discussion on the approval of CPC suspending the requirement that Committees must report orally at Council at least once a year. A recommendation was made by the CPC Working Group on the Future Structure of Virtual Council to only allow those committees who have action coming before Council to report orally.

7. The Council Policy Committee VOTED to suspend the requirement that committees must report orally at Council at least once a year; and that only committees that have action items coming before Council shall report orally.

There being no additional new business, the meeting was adjourned at 4:46 p.m.

Flint H. Lewis
Secretary

ATTACHMENT

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.

DRAFT
MINUTES
COUNCIL POLICY COMMITTEE
AMERICAN CHEMICAL SOCIETY
Virtual
January 25, 2022

The Council Policy Committee (CPC) of the American Chemical Society met virtually on January 25, 2022, beginning at 2:00 p.m. ET. President Angela Wilson presided. Other voting members present were: CPC Vice-Chair Donna Friedman, H.N. Cheng, Thomas M. Connelly, Jr., Judith Giordan, Matthew Grandbois, Lydia E.M. Hines, Elizabeth M. Howson, Fran K. Kravitz, Louise M. Lawter, Will E. Lynch, Zaida C. Morales-Martinez, Sally B. Peters, and Margaret J. Schooler. Flint H. Lewis served as Secretary.

The following chairs of Society Committees of the Council, all non-voting members of CPC, attended all or portions of the meeting: Eric Bruton, Carmen Gauthier, William Greenlee, Diane Krone, Sheila Murphy, W. Matthew Reichert, Laura Sremaniak, and Julianne Smist. The following committee chairs also attended: Michelle Cummings, Sergio Nanita and Keith Vitense. Several ACS staff were present as observers at various times during the meeting.

Approval of Councilor and Non-Councilor Reimbursement

1. The Council Policy Committee VOTED to include registration fees for the virtual and in-person ACS Spring 2022 Meeting as a reimbursable expense for Councilors who also participate in the spring virtual Council meeting and for Non-Councilors who participate in their spring committee meetings.

Reports of Committee Chairs

President Wilson called on the following committee chairs to discuss upcoming actions before Council, and where the chairs will seek CPC concurrence on their motions:

- Chair of the Committee on Committees, Diane Krone, discussed the recommendation for continuance of a committee and a recommendation from the same committee to amend their duties.
- Chair of the Committee on Budget & Finance, Bill Greenlee, discussed a petition to amend the Standing Rules on the use of dues for Local Sections and Divisions.
- Chair of the Committee on Divisional Activities, Sheila Murphy, discussed a proposed Division name change.
- Chair of the Committee on Membership Affairs, Laura Sremaniak, discussed the particulars of the 2023 Schedule of membership.
- Chair of the Committee on International Activities, Sergio Nanita, discussed the establishment of an ACS International Chemical Sciences Chapter.

Updates on the 2022 Council Meetings

Secretary Lewis provided an update on the preparations and mock meetings for the Spring Council Meeting that will again be held through virtual means. He briefed the Committee on new preparations for the first hybrid Council Meeting scheduled in the fall of 2022 both in-person in Chicago and virtually. During the Spring 2022 Meeting, there will be a mock hybrid meeting to prepare Councilors for their participation in the fall.

There being no additional new business, the meeting was adjourned at 4:04 p.m. ET.

Flint H. Lewis

Secretary

REPORT OF THE COMMITTEE ON COMMITTEES

The Committee on Committees (ConC) submitted its final recommendations for 2022 Committee Chairs, members, associates, and consultant appointments and reappointments for consideration by the President-Elect and the Chair of the Board of Directors.

The 2022 Leadership Institute[®] was rescheduled for May 20-22 in Atlanta, GA; due to the continuing attention to safety associated with the COVID-19 pandemic. The ConC Leadership Development Subcommittee conducted a modified virtual training session for 17 Committee Chairs and their staff liaisons on January 21-22, 2022. Due to the modified schedule, additional sessions for new committee chairs will be conducted in February, March, and during the Leadership Institute[®] in May.

In 2016 and 2019, ConC conducted demographic surveys of all the Society Committees. The surveys provided valuable information about the composition of the Council-related Committees and helped to measure the ACS' Diversity, Equity, Inclusion, and Respect (DEIR) initiatives.

ConC's Subcommittee on DEIR acknowledges the demographic survey is a national governance committee census and it will now be administered every other year. The 2022 ConC National Committee Census will launch in mid-February and close in early April. ConC will present the results of the census during the ACS Fall 2022 Meeting. This demographic information is being collected for "data" purposes only and will not be correlated with any opinions or performance of the individual providing the information. ConC will use the aggregated data to learn about the makeup of our committee volunteers and to guide our future inclusion efforts. More details will be shared in the weeks leading up to the launch.

This spring, ConC will launch a new and improved committee online preference form. The data provided from the committee census also demonstrated gaps in representation on ACS committees, especially related to race/origin, workplace, and age. As a result, ACS is missing important voices from the community of chemistry professionals. The ConC DEIR Working Group determined that a series of changes and upgrades to the online preference form were necessary in order to: make the form more user friendly, provide better information to volunteers about committee assignments, and increase the quality of the submissions. ConC will also leverage the new submissions to make better informed decisions when recommending volunteers to committees. More details will be shared in the weeks leading up to the launch.

The ACS Standing Rules require that ConC review each Society Committee no less often than every five years and advise the Council and/or Board of Directors whether they should be continued. During the virtual Spring Council Meeting, ConC will seek Council approval on the recommendation for continuance of the Committee on Chemists with Disabilities (CWD); and seek approval from the Council on the recommendation from CWD to the petition to amend their duties. ConC supports this amendment to the CWD duties. The ultimate adoption of both recommendations will be contingent on the approval by the Board of Directors.

Councilors and other interested members are invited to attend ConC's virtual open meeting on March 9, 2022, from 3:00-4:00 pm EST to offer their views on any topics on the agenda, or other matters of interest.

At its virtual closed executive meeting in March and April, ConC will receive reports and consider recommendations from its subcommittees on leadership development; committee systems and structure; diversity, equity, inclusion & respect; and the diversity, equity, inclusion & respect project working group. ConC will also receive updates on scheduled performance reviews for the Committees on Analytical Reagents, Chemistry and Public Affairs, Community Activities, Minority Affairs, Professional Training, Project SEED, Publications, Public Relations and Communications, Science, Women Chemists & Younger Chemists. ConC will also begin developing committee chair recommendations for all Society Committees for 2023.

In collaboration with the Council Policy Committee, ConC will also participate in the ACS 2022 New Councilor Virtual Orientation Program on Friday, March 11 from 4:00-5:00 p.m. EST.

Diane Krone, Chair

Mr. Flint H. Lewis
Secretary, American Chemical Society
secretary@acs.org

Dear Mr. Lewis:

I propose the following MEMBERS for consideration by the Committee on Committees for service on the following committees for 2023:

Society Committees reporting to Council (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)	_____
Analytical Reagents (CAR)	_____
Ethics (ETHX)	_____
Nomenclature, Terminology and Symbols (NTS)	_____
Project SEED (SEED)	_____
Technician Affairs (CTA)	_____

Society Committees reporting to Council and Board (Appointed by the President and Board Chair)

Budget and Finance (B&F)	_____
Education (SOCED)	_____
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 FUNCTION COMMITTEE ACTION

Petition to Amend the Duties of the Committee on Chemists with Disabilities
(AMENDMENTS TO THE STANDING RULES)

Standing Rule VIII, Sec. 1, b(4)

Petition

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

STANDING RULE VIII
Duties of Committees

...

Section 1.

...

b. Duties of Committees that Report to both the Council and the Board of Directors (3/26/21)

...

(4) Committee on Chemists with Disabilities

The committee will promote educational and professional opportunities in the chemical sciences and in fields requiring knowledge of chemistry for persons with disabilities. The committee will champion the capabilities of those persons to educators, employers, and peers. The committee envisions a time when all individuals, including those with disabilities, will advance the chemical enterprise by drawing on the full range of their talents.

The duties of this committee shall include the following, *inter alia*:

(a) ensure that all SOCIETY-sponsored services and programs promote and advance the full participation of ~~students~~ **persons** with disabilities;

(b) promote opportunities for ~~individuals~~ **persons** with disabilities employed in or seeking employment within chemistry and its allied fields, supporting the SOCIETY's Strategic Plan;

(c) provide and promote a portfolio of programs, products and services to increase participation and leadership in the chemical community **by persons with disabilities**; and

(d) serve as a resource to the chemistry community as a whole with reference to issues concerning the education and employment of ~~individuals~~ **persons** with disabilities.

Explanation

The Committee on Chemists with Disabilities is recommending changing the word **students** to **persons** to be more inclusive to ACS members of all levels and backgrounds participating in the SOCIETY's meetings and events. Also, the committee is recommending that the word "individuals" be replaced with "persons" in subsections (b) and (d) for consistency in language.

REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

At its fall 2021 virtual meeting the Committee on Nominations and Elections (N&E) developed slates of potential candidates for President-Elect, 2023, Directors-at-Large, 2023-2025; and Directors from Districts II and IV, 2023-2025.

A virtual “Town Hall Meeting of the Candidates for Director-at-Large (DAL) 2022-2024” was held Tuesday, September 21, 2021, from 1:00 p.m. – 2:00 p.m. (ET). This forum was designed to facilitate interaction among the DAL candidates, Councilors, and other members using a moderated question-and-answer format.

The 2022 election cycle began with the election of candidates for District II and District IV in January. Survey & Ballot Systems (SBS) 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 (2022). The results of the elections will be announced at the virtual Council meeting March 23, 2022.

In a virtual executive session December 6, 2021, N&E approved a motion to pilot a new online software package to aid in the development of slates. The pilot will begin with the fall 2022 election cycle, with one of the District Director slates. The Subcommittee on Operational Guidelines gave its final report, having completed a thorough review and revision process for N&E operational guidelines and internal practices.

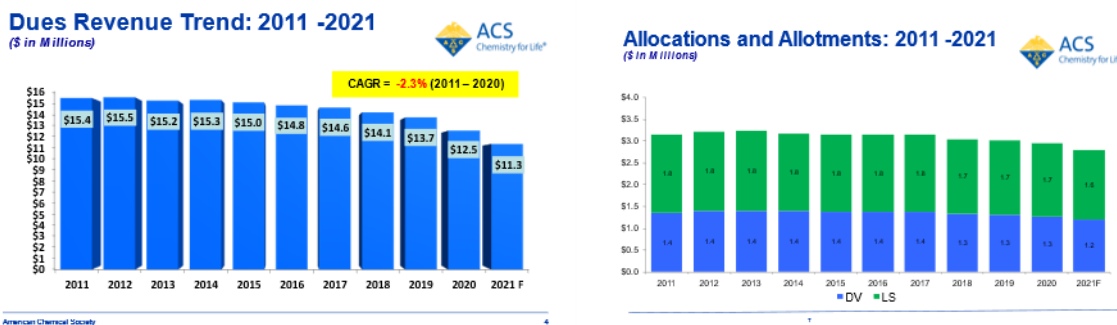
During virtual executive sessions in March 2022, N&E will hear from its subcommittees on N&E Standing Rules, its new subcommittee on Hybrid/Virtual Meetings and Events and will develop slates of potential candidates for the Council Policy Committee and the Committee on Committees for 2023-2025. As in 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.

Julianne M.D. Smist, 2022 Chair
Amber S. Hinkle, 2021 Chair

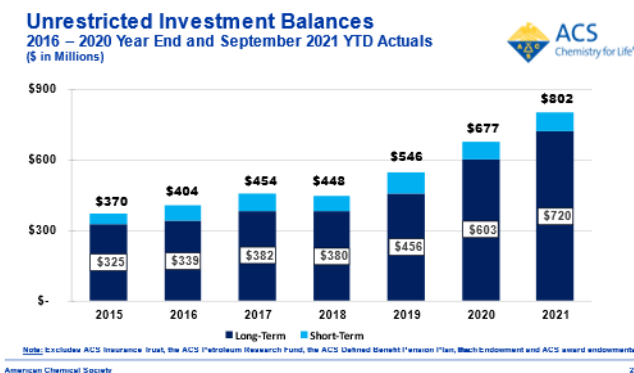
REPORT OF THE COMMITTEE ON BUDGET AND FINANCE
(joint with Board)

The Society Committee on Budget and Finance (B&F) will meet on Saturday, March 19, 2022, to review the Society’s 2021 audited financial performance. The Society ended 2021 with a record net contribution from operations of almost \$79 million, on revenues of \$660 million and expenses of \$581 million. This was \$18 million favorable to the prior year. This performance was driven by strong revenues from both CAS and ACS Publications along with lower expenses that were that resulted from ongoing impacts of the pandemic. Once again, ACS ended the year in compliance with all of the five Board-established financial guidelines. The Society’s overall financial position improved with unrestricted net assets increasing by \$142 million to \$695 million from December 31, 2020. The year-end balance includes the aforementioned \$79 million net from operations, along with investment and foreign exchange gains of \$71 million offset by an \$11 million increase in the Society’s actuary-calculated postretirement benefit liability. The Society’s unrestricted investment portfolio (General Fund) ended 2021 at \$725 million, an increase of \$122 million from December 31, 2020.

Given the gradual erosion of ACS Member Dues revenues over the last decade, and the resulting negative impact on the total resource pool available for Local Sections and Divisions allotments, B&F is proposing changes to the ACS Standing Rules to shore up the total resource pool. Currently Standing Rule II, Sec 7, Dues (e) notes “An annual allocation from SOCIETY funds equivalent to 20 percent of SOCIETY dues revenue applicable to the second preceding year shall be made to provide for financial support of Local Sections and Divisions...” Under that methodology, the total resource pool available for distribution (\$3.2 million) is roughly equal to what it was in 2000, not accounting for the loss of purchasing power due to inflation over this period. These constrained resources have presented a challenge to meeting greater ambitions of LS/TD or adapting to changes in the Society and its members. The two graphs below illustrate the impact.



While ACS Member Dues and the resulting total resource pool available for distribution to Local Sections and Divisions have decreased, the Society’s financial position has seen steady and significant growth.



B&F is seeking to change the funding approach for Local Sections and Divisions allotments. In place of the dues-based calculation method, we are recommending a change to an endowment approach. Under this proposed model, a portion of the ACS' unrestricted long-term investment pool (General Fund) would be set aside by the Board of Directors. Annually, a "draw" of approximately 4 percent of the fund's value would be made available to DAC and LSAC for allocations and allotments. The initial value of the fund (estimated to be approximately \$80 million) would be established to ensure that initial annual payouts are equal to or greater than the current funding level. Over time, we expect this fund to grow at a rate of 5 percent, plus inflation, which would preserve the purchasing power of these funds into the future.

B&F will next meet on Saturday, August 19, 2022, where it will receive an update on the Society's 2022 financial performance.

William J. Greenlee, Chair

ORIGINAL

FOR FUNCTION COMMITTEE ACTION

Petition to Amend the Use of Dues
(AMENDMENTS TO THE STANDING RULES)

Standing Rule II, Sec. 7, c, e, f

Petition

We, the voting members of the American Chemical Society Committee on Budget and Finance, hereby petition the Council Policy Committee to amend the SOCIETY Standing Rules as follows (additions **underlined**; deletions ~~struck through~~):

STANDING RULE II
Council Executive Function

...

Dues

...

Sec. 7

...

c. An allocation from ~~dues~~ **general SOCIETY** revenues shall cover the printing and distribution cost of copies for all MEMBERS and Society Affiliates of the editorial portion of the official organ of the SOCIETY. The allocation shall be fixed by the Board of Directors, on recommendation of the Society Committee on Budget and Finance. ~~The Board shall report the amount of the allocation through the Society Committee on Budget and Finance at the next Council meeting.~~

...

e. An annual allocation from SOCIETY funds ~~equivalent to 20 percent of SOCIETY dues revenue applicable to the second preceding year~~ shall be made to provide for financial support of Local Sections and Divisions. **The allocation will be made from a quasi-endowment established by the Board of Directors expressly for this purpose. The amount available for financial support of Local Sections and Divisions will be based upon the SOCIETY's endowment payout policy as established by the Board of Directors.** This allocation shall be divided between Local Sections and Divisions with 55 percent of the allocation for Local Section support and 45 percent of the allocation for Division support.

f. ~~All funds collected as SOCIETY dues revenue are obligated for Local Section and Division support use up to the amount of the allocation.~~ The SOCIETY must distribute allocations to each Local Section and Division, unless a Local Section or Division is not in compliance with reporting requirements. Unclaimed allocations will stay in either the Local Section or Division fund pool for redistribution in the current year. The formula for such redistribution shall be at the discretion of the Committee on Local Section Activities or the Committee on Divisional Activities, respectively.

Explanation

The American Chemical Society's Committee on Budget and Finance (B&F) seeks to amend certain specific uses of dues revenues to reflect the strength of the Society's overall financial position. There are two issues being addressed with these proposed changes.

1. Historically, a portion of dues revenue has been allocated to support some production and distribution costs to provide C&EN to Society members. The proposed change would reference general society revenues as opposed to specifically earmarking dues. Resources allocated to C&EN now significantly exceed this legacy allocation, and the value of this process is diminished.
2. A change is sought in the determination of the level of annual funding available for allocation/allotment to Local Sections and technical Divisions. Because of the trend of falling dues revenue over the past several years, the amount available for Sections and Divisions has fallen proportionally as well. And while dues revenues have decreased, overall Society revenues and assets have seen healthy growth during this period. The proposed change would earmark a portion of the Society's long term investment pool to this activity and also provide a more stable and growing basis for this funding in the future.

REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

The Committee on Divisional Activities (DAC) continues to hold bi-weekly zoom meetings with program chairs, staff and the Committee on Meetings and Expositions in preparation for the Spring 2022 hybrid national meeting. In the fall, an informational zoom meeting was held with Division Officers to provide an update on DAC activities and respond to any questions.

DAC's Divisional Enhancement and Outreach subcommittee in collaboration with the Technical Programming and Collaboration subcommittee announced a special fall call for Innovative Project Grants (IPGs), Strategic Planning (SP) Grants and Convergent Research Communities (CRC). The committee approved 11 grants and awarded a total of \$126K.

A new working group reviewed the outcome of the 2021 allocation formula and concluded it achieved its goals. This group continues to analyze data recognizing the evolving nature of the activities of divisions, their membership, and meeting formats with a goal of enhancing the formula to meet future environments needs.

In consultation with the Committee on Membership Affairs, a working group is investigating opportunities that the new membership package can hold for Divisions.

DAC's planned Virtual Strategic Planning Retreat was postponed until February. A stakeholder survey was conducted and the retreat is scheduled for February 11 - 13.

The Division of Carbohydrate Chemistry (CARB) has requested a name change. DAC, having proceeded through the name change process, is bringing to Council a motion for action at the Spring 2022 virtual Council meeting. The background information follows this report.

The committee wishes to acknowledge the efforts of the divisions and the Multidisciplinary Program Planning Group (MPPG) for their excellent programming in support of the Spring 2022 national meeting theme, "Bonding Through Chemistry".

Sheila Murphy, 2022 Chair
James M. Takacs, 2021 Chair

FOR COUNCIL ACTION

Approval of a Division Name Change

The objects of the Division of Carbohydrate Chemistry (CARB) are to be the stimulation of interest, the encouragement of research, and the diffusion of information in all that pertains to the chemistry and technology of sugars and other carbohydrates. In recent years, the CARB division has attracted chemical glycobiology community scientists to their technical programs resulting in multiple symposia in CARB's national meeting programs either exclusively or collaboratively programmed with CARB members. In parallel, the chemical glycobiology community has grown within the CARB division resulting in glycobiologists being selected for CARB awards and elected to their Executive Committee. Younger chemical glycobiologists form the dominant community of CARB junior awardees. There is a clear shift in emphasis of the chemistry within the CARB division as their traditional carbohydrate chemists train a new generation of chemical glycobiologists.

A poll of CARB membership for a name change resulted in a 69% vote to support a name change that better reflected the breadth of their activities. Consistent with the Division Name Change procedure, DAC reached out to all divisions for written comment on the support, opposition, or neutrality of the name change. The following results were reported:

Support	14
Neutral	9
Opposed	1

After constructive discussions between CARB and the opposing division the opposition was withdrawn in favor of supporting the name change. DAC proposes the following motion.

Motion:

Effective January 1, 2023, the Division of Carbohydrate Chemistry (CARB) will change its name to the Division of Carbohydrate Chemistry & Chemical Glycobiology (CARB).

REPORT OF THE COMMITTEE ON INTERNATIONAL ACTIVITIES
(joint with Board)

In fulfillment of its duties and responsibilities to the Society, the 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 2022:

1. IAC approved the application for an International Chemical Sciences Chapter in Switzerland, which will be brought to Council for a vote at the Spring 2022 Meeting.
2. Four regional calls for ACS International Chapters were held in December 2021. Chapter leaders, ACS staff, and ACS President HN Cheng participated in these discussions. The purpose of these calls was to increase communication between International Chapters, as well as pinpoint issues chapters were experiencing on which the IAC could advise.
3. IAC approved and adopted a new committee structure at its Fall 2021 meeting. The committee reorganization replaced the previous regional subcommittees with Working Groups that focus on activities of strategic importance to IAC. The IAC Working Groups are:
 - ICSC Liaisons, Partnerships & Collaborations
 - Communications & Outreach
 - Grants & Recognition
 - Programming & International Chapter Development
 - International Chapter Support

The new Working Group structure also includes an IAC Leadership Team (LT), which consists of the five Working Group Chairs, a Strategic Planning Chair, and LT Advisor. Each Working Group held an introductory meeting between September and December 2021, outlining each group's roles, responsibilities, and strategic goals for the coming year.

4. At the Fall 2021 Meeting, the IAC approved its Proposal to the Council Policy Committee (CPC) for International Member Inclusion in ACS Council. The proposal, which includes multiple models, will be used to advise CPC on how best to include representation in Council for international members, which make up 22% of ACS's total membership. In January 2022, IAC appointed Michael McGinnis as IAC Liaison to CPC's Working Group on Future Council Representation to advise on how best to represent international members in Council.

Sergio Nanita, Chair

FOR COUNCIL ACTION

Petition to Charter an International Chemical Sciences Chapter

One legal application has been received for the formation of a new international chemical sciences chapter to be known as the Switzerland International Chemical Sciences Chapter. The Switzerland International Chemical Sciences Chapter will consist of the territory of the Swiss Confederation and is not part of any other Chapter or Local Section of the Society.

The petition was initiated and signed by ACS members in good standing and residing in the territory. The application meets all of the requirements of Bylaw VI of the Society, and includes a statement that the applicants are familiar with and will abide by all governing documents of the Society including specifically Standing Rule VII Section 3(d), which states that the Chapter and its officers as representatives of the Chapter shall not engage in political activity, shall avoid any activities that may adversely affect the interests and/or public and professional image of the Society, and shall assure that all activities of the Chapter shall be open to all members of the Society. The application includes a proposed budget for the operation of the Chapter, which includes no allotment of funds from the Society. The petition has been reviewed by the ACS Society Committee on International Activities (IAC). This action seeks the approval of the Council and is contingent on the approval from the ACS Board of Directors, after which, the Chapter will begin operation.

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, engineers, and allied professionals worldwide.

As most of you will have undoubtedly seen by now, we are delighted to report a successful rollout of the new membership model that Council approved by over 92% last March. This significant change provides our members with better value, better choice, and a better overall experience. These changes will help produce a more relevant, inclusive, and vibrant ACS. ACS now has three benefits package options available, named as follows:

- Premium Package – The traditional full suite of ACS benefits at a reduced \$160 dues for 2022.
- Standard Package – A new, slimmed down set of benefits for ACS Regular members at half the price; \$80.
- Basic Package – A new, no-cost option for Community Associates with an introductory set of benefits; this package is for those unsure about ACS, existing customers that have previously chosen not to join, and those that no longer want to retain a paid membership and would have traditionally left ACS altogether.

As of January 1, 2022, all those looking to join ACS are provided with a choice of which membership package is right for them (where eligible). Current members are also provided with the same options and pricing upon renewing their 2022 membership. Many of you have likely already had the opportunity to see these updates in action. MAC looks forward to hearing from you directly about your experiences and the experiences of your constituents. Please share with us via email at mac@acs.org or anonymously at tinyurl.com/MemAffairs.

While still only a few weeks into the transformation, the renewal choice share between the two paid membership options is performing as our extensive research predicted; with approximately 15% of members opting for the Standard Package and 85% the Premium Package. MAC will be monitoring this performance indicator closely during the year, providing updates to Council, and recommending revisions for future years of membership as needed.

MAC is also delighted by the continued increase in our Community Associate category to over 22,000 individuals to date through the ACS webinar registration process alone. The uptake continues to highlight a significant untapped market of chemistry professionals already using ACS programs, products, and services that do not otherwise affiliate with membership. This new approach appears to resonate strongly with our community and will bring a more diverse and sizeable group of individuals into the ACS membership ecosystem. Community Associates have a strong potential for increased ACS loyalty and upgrading to a paid membership, which are key elements of MAC's strategies.

We are examining and proceeding as planned with other ways to enable growth of Community Associates in 2022 through additional offers and program integrations. Additionally, we will be closely monitoring the upgrade rate—a new concept—to entice existing Community Associates to seamlessly become paid ACS Members or Society Affiliates in order to gain further access to ACS benefits.

At the close of 2021, the total ACS membership count stood at over 151,000 individuals, which is a significant accomplishment as the pandemic shows no signs of immediate abatement. While this is a decline over the 2020 closing count of over 155,000, it is not surprising as we see continued headwinds from the pandemic in members' join and renew decisions—especially graduate and undergraduate students. One 2021 bright spot is that the number of paying members (defined as the count of Members/Society Affiliates that paid dues, Emeritus Members, and those on special dues waivers) increased 13% from January to December 2021 while 2020 saw a decrease in this same metric.

MAC is also pleased to report the status of our ongoing market tests which have all helped to both ensure growth during the last few years and provide the information to allow this deliberative body to make data-informed decisions. These market tests are as follows:

1. **Community Test:** As noted above, the Council vote of March 2021 established this Community Associate test as a permanent feature of the ACS membership community. In 2021, we saw an additional 9,700+ individuals join. We will cease reporting on this number as part of these test updates in subsequent years accordingly.
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 2,200 new members in 2021.
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. This test was paused for 2021 and is being reevaluated for return to physical/hybrid ACS events in 2022.
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 ACS events and online through experimental marketing campaigns. In 2021, over 1,300 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 test resulted in 350 members participating and is being presently evaluated for future direction.
6. **Joint Memberships:** MAC remains interested in evaluating the effectiveness of joint membership and shared discounts with other Societies including NOBCCChE and AACT to date. In 2021 this test brought in over 1,900 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 2021, over 4,200 members were solely on this program. Further details are available in the detailed explanation sheet included in this agenda book as MAC is seeking a continuation of this concept with Council's approval.

In addition to these ongoing market tests, MAC also desires to remind all ACS members of the unique role they play in ensuring a vibrant ACS. We all have the ability to be champions for the organization amongst our communities to create the ACS we desire. Personal networking with potential members and sharing anecdotes about the value that you find in ACS is a strong personal incentive to join. Thank you for all that you do.

Laura Sremaniak, 2022 Chair
Brian M. Mathes, 2021 Chair

FOR COUNCIL ACTION

**REQUEST TO EXTEND MARKET TESTING OF THE INTERNATIONAL DUES DISCOUNT
PROGRAM BASED ON WORLD BANK COUNTRY INCOME LEVELS**

As of December 2021, as part of the abilities provided to the Committee on Membership Affairs (MAC) per Standing Rule I, Section 8, MAC has maintained a market test to better understand the needs and pricing requirements of international members residing in emerging economies. Chartered in 2016 and mirroring similar models of other Societies, the test was organized to provide a 50% national dues reduction for members residing in countries which the World Bank classified as upper-middle income, a 66% national dues reduction for members in countries classified as lower-middle income, and a 75% national dues reduction for members living in a country classified as low income. An extra condition also required that the nation host either an ACS International Chemical Sciences Chapter or an ACS Student Chapter. It did not modify the dues for any nation classified in the high-income category.

The committee's rationale for the test noted: 1) the differing salary scales of many chemical scientists and engineers leading to lower purchasing power; 2) the essential importance of ensuring connections between chemical scientists, engineers, teachers, and students in those regions to the global chemistry enterprise in support of the ACS Vision and Mission; and 3) in recognition that many of the traditional benefits afforded by ACS membership are either lacking or less significant in many of these countries.

The country pricing program outlined above went into full effect in 2017 and ACS has collected several years of complete data on the initiative. Since the program's inception, we have seen growth and retention among the majority of the qualifying, participating countries. MAC had hoped to be able to recommend to Council at this time a permanent direction for this program using the encouraging information collected during this market test to date. However, as will be highlighted further below, the ongoing COVID-19 pandemic has made it difficult to determine definitive recommendations at this time. ACS has also identified ongoing barriers that our members and constituents encounter that we are actively working to reduce by pursuing additional payment options.

Since 2019, 25 of the 144 countries where members reside were eligible to receive discounted dues. They currently include seventeen at the upper-middle classification: Brazil, China, Colombia, Costa Rica, Georgia, Guatemala, Indonesia, Iraq, Jamaica, Jordan, Kazakhstan, Lebanon, Malaysia, Mexico, Peru, South Africa, and Thailand; and seven at the lower-middle classification: Bangladesh, Egypt, Ghana, India, Nigeria, Pakistan, and Sri Lanka. There are no countries at the low-income classification participating in this market test. Of additional note, Georgia, and Romania have changed classification over the duration of the test, with Romania no longer qualifying as of 2021. Cumulatively, members and society affiliates in these nations represent 5.9% of the ACS membership through the end of 2021 (Community Associates are not included in these counts). The remainder of the world outside the U.S., which all pay full dues, have a further 13.5% of the total membership. Even amongst the sizable international membership, this dues test only affects about 30% of the non-US segment.

Since Council approved the last extension request in 2019, we have only had one year of clean data collection before the COVID-19 pandemic negatively impacted membership numbers, scrambled value propositions, shuttered chapter events and reduced new chapter growth. Our earlier report to Council in Spring 2019 showed that membership in the participating countries grew 15.2% after the discount program launched. Since that report we observed an additional 8.9% growth throughout 2019 in the participating nations. Collectively, those early returns continue to point to helpful benefits in engaging emerging economies with this market test.

The past two COVID years have proven difficult to draw any additional conclusions. MAC is therefore asking for another extension to continue what appears to be a promising market test for another three years. This request to extend through 2025 should provide sufficient data on the impacts of dues reductions in World Bank countries in order to make a recommendation on sunset or permanency.

As requested here, an extension of the test through August 2025 will provide sufficient leeway to make additional determinations. Data collection and analysis will continue to provide a mechanism to judge the impacts on member acquisition, retention, behaviors, and attitudes. The latter two items have not had sufficient time to be fully addressed, given the aforementioned considerations. Surveys have been expanded to these communities and for the first time ACS has also begun to include members in these locations in the annual salary surveys. We hope to be able to report additional information on the economic conditions of those members.

Based on all the above, the ACS Committee on Membership Affairs respectfully asks the Council to approve a continuation of this market testing program as currently configured for an additional three years through August 2025. The results of the test will be presented to the Council at or before the Spring National Meeting of that year, along with a recommendation for further action.

2023 Schedule of Membership Explanation

The ACS Committee on Membership Affairs (MAC) is committed to its vision that all students and professionals within the global chemistry enterprise are engaged ACS members. We believe strongly that the changes that this Council overwhelmingly voted for in 2021 are a significant step towards that vision.

Thanks to the Council action last March, we are elated to reiterate that the ACS membership program has been transformed successfully. As of January 1st, we now offer our members and potential members a choice in how they affiliate with the Society. This transformation was one of, if not the most significant reformation to Membership in the 146-year history of this storied organization.

Accordingly, MAC is not presenting any revisions of substance in our proposed 2023 Schedule of Membership. MAC wants to ensure appropriate time for all members to choose and settle into the new 2022 options. Our intent is to review and understand these trends more fully, and how they compare to the voluminous research done beforehand, before recommending any substantial revisions in a future Schedule of Membership.

For 2023, MAC is proposing the following minor revisions:

1. **Accessibility** – To ensure that this document is more accessible for any member or potential member reading the Governing Documents, MAC is recommending a rearrangement where the three packages of benefits (Section III) are separated from the dues categories (section IV). This revision does not change any benefits, pricing, or eligibility to the packages. MAC has also adapted the language used to refer to the benefits packages within the ACS marketing materials and member communications: Premium, Standard, and Basic.
2. **Clarity** – The 2022 document contained imprecise language on the ability of a Community Associate with the Basic Package to become a Division or Local Section Affiliate. To ensure that the language is clear and that they are not prohibited from becoming a Division Affiliate or a Local Section Affiliate on their own in cases where the ACS Technical Division or ACS Local Section allows it, we have clarified Sections IV,5,f and IV,5,g respectively. This modification ensures that the Community Associates retain the same access as non-members in these Affiliate programs.
3. **Clean-up** – Independent of this Council process, it was determined that the C&EN allocation will be zero dollars (\$0) starting in 2023. This made the spousal dues discount (343 total uses in 2021) a vestigial element in the document having no impact whatsoever on dues rates and revenues. Accordingly, MAC is recommending the resulting \$0 spousal discount be removed in 2023 as moot. Action or inaction of this 2023 Schedule of Membership does not change the discount amount. As always, MAC is committed to serving all members and will be working with our governance and staff colleagues to develop a way to gradually ease these individuals through the transition and communicate with them accordingly.

If approved by Council, these changes will result in a cleaner, clearer, and more accessible Schedule of Membership document. Thank you for your consideration.

FOR COUNCIL ACTION

PROPOSED 2023 SCHEDULE OF MEMBERSHIP

I. DUES AND BENEFITS PACKAGES 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 packages. To make membership in the ~~Society~~ 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 shall assess member benefits annually, propose dues commensurate with those benefits packages, and submit its recommendations to the Committee on Budget and Finance, which shall conduct an analysis of the proposed dues and benefits packages to determine the financial impact on the ~~Society~~ SOCIETY. The recommendation for dues and membership benefits, and a statement of financial impact by the Committee on Budget and Finance, shall be submitted by the Committee on Membership Affairs 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. Annual Changes in the base dues ~~changes as recommended to Council~~ rate 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~~ base dues rate ~~will~~ shall be \$160.

III. BENEFITS PACKAGES

The American Chemical Society offers multiple benefits packages for its members, affiliates, and associates. As assigned in this Schedule of Membership, eligibility for receiving these packages varies across membership types. The offered packages are as follows.

1. Premium Package
~~Regular Members are entitled to~~ The Premium Package contains the full range of privileges and benefits as offered by the SOCIETY ~~to its members~~.
2. Standard Package
 - a. The Standard Package contains the full range of privileges and benefits as offered by the SOCIETY except that it does not provide:
 - i. ~~They may not receive publications benefits~~ Any ACS Publications or author benefits including but not limited to universal publications accesses and reduced subscription rates as approved by the Board of Directors.
 - ii. ~~They may not receive~~ Any Chemical Abstracts Service (CAS) 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 where allowable.
 - iv. ~~They may not receive~~ Access to the ACS webinar recording library.

- b. ~~Regular Members—Contributing shall receive~~ The Standard Package contains digital access to the official organ of the SOCIETY. ~~They are not entitled to receive~~ It does not provide access to the print edition.
3. **Basic Package**
The Basic Package shall include only the privileges and benefits described below:
- a. ~~Community Associates are entitled to receive~~ Receipt of SOCIETY newsletters ~~as offered by the SOCIETY.~~
 - b. ~~Community Associates are entitled to receive a~~ Receipt of weekly, abbreviated digests of the official organ of the SOCIETY, ~~with links to stories of interest.~~
 - c. ~~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.
 - d. Access to discounts on personal services offered by external SOCIETY partners.

IV. DUES CATEGORIES

1. Regular Members

- a. Regular members may select the **Premium Package**. The dues rate for Regular Members with the Premium Package shall be the ~~full~~ base dues rate.
- b. Regular members may select the **Standard Package**. The dues rate for Regular Members—~~Contributing~~ with the Standard Package shall be one-half (1/2) of the ~~full~~ base dues rate.
- c. Regular Members are eligible for those discounts as outlined elsewhere in the Schedule of Membership.

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.—~~

2. **Regular Member– Graduate Student Members**

- ~~a. Regular Members– Graduate Student are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.~~
- a. 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 **the Premium Package** at a rate of eleven thirty-seconds (11/32) of the base 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.
- b. ~~Regular Members–~~ Graduate Student Members shall receive digital access to the official organ of the SOCIETY. They are not entitled to receive the print edition.
- c. ~~Regular Members–~~ Graduate Student Members are eligible for those discounts as outlined elsewhere in the Schedule of Membership.

3. **Student Members**

- a. Undergraduate students may become STUDENT MEMBERS ~~are members~~ of the SOCIETY ~~and~~, in accordance with the ACS Governing Documents, They 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 receive the Premium Package at a rate of five thirty-seconds (5/32) of the base membership dues. The dues so determined shall be rounded to the nearest whole dollar amount.
- c. A STUDENT MEMBER shall receive digital access to the official organ of the SOCIETY. A STUDENT MEMBER shall not receive print access to the official organ of the SOCIETY.
- d. STUDENT MEMBERS are eligible for those discounts as outlined elsewhere-in the Schedule of Membership.

4. **Society Affiliates**

- a. A Society Affiliate, who is not eligible to be a member of the SOCIETY, in accordance with the ACS Governing Documents, shall be entitled to receive the Premium Package at the base dues rate and shall retain affiliate status only so long as payment is made of Society Affiliate dues, ~~which shall be equal to the full membership dues.~~ ~~Society Affiliates shall have the privileges described in the ACS Governing Documents and the following benefits:~~
 - ~~i. Society Affiliates shall receive the official organ of the SOCIETY and may subscribe to SOCIETY publications at the same rates as members.~~
 - ~~ii. 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.~~
- b. 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.~~

- e. ~~Except as described above, Society Affiliates shall have access to all other benefits as offered by the SOCIETY to its members.~~
- c. Society Affiliates are eligible for those discounts as outlined elsewhere in the Schedule of Membership.

5. Community Associates

- a. Community Associates share common connections to the SOCIETY such as participating in webinars, subscribing to, publishing in, or reviewing manuscripts for ACS journals, or participating in other SOCIETY-sponsored programs, events, or services.
- b. Community Associates are not required to pay annual dues to maintain status with the SOCIETY. The length of the Community Associate term is twelve months.
- c. Community Associates may not concurrently benefit from any of the other Dues Categories defined elsewhere in the Schedule of Membership.
- d. Community Associates shall not be eligible for any of the discounts and/or waivers specified in the ACS Governing Documents or elsewhere in the Schedule of Membership.
- e. Community Associates shall ~~have~~ only have access to the **Basic Package** and the benefits provided therein.
- f. Community Associates shall not be a member of any 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 Society Affiliates. A Community Associate may attend and participate in a Division's open meetings and events and may become a Division Affiliate as described elsewhere in the ACS Governing Documents. A Community Associate who is a Division Affiliate shall be eligible for the privileges specified in the Division's bylaws for Division Affiliates.
- g. Community Associates shall not be assigned to a Local Section. A Community Associate ~~shall not be a member of any 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 Society Affiliates. A Community Associate may attend and participate in a Local Section's open meetings and events and may become a Local Section Affiliate as described elsewhere in the ACS Governing Documents. A Community Associate who is a Local Section Affiliate shall be eligible for the privileges specified in the Local Section's bylaws for Local Section Affiliates.
- h. Community Associates shall not be a member of any International Chemical Sciences Chapter.
- i. 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~~ and shall not be eligible for any elective office in the SOCIETY or any of its Local Sections or Divisions.
- j. Unless specified above, Community Associates shall not have access to other benefits as offered by the SOCIETY to its members and/or Society Affiliates.

6. Retired Members

- a. ~~Retired Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.~~
- a. 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 receive the **Premium Package** at a discount of one-half (1/2) of the base membership dues for each year beginning on the member's anniversary date, and shall receive the official organ of the SOCIETY upon annual request.
- b. 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.

7. Emeritus Members

- a. ~~Emeritus Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.~~
- a. 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 receive the **Premium Package** and 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.

V. MEMBERSHIP DISCOUNTS AND VARIATIONS

1. **Multi-year Membership.** A Regular Members, ~~Regular Member~~—~~Contributing~~, Graduate Student Members, STUDENT MEMBERS, Society Affiliates, or Retired Members ~~Regular 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.
2. **Disabled Waiver.** A Regular Member, ~~Regular Member~~—~~Contributing~~, Graduate Student Member, STUDENT MEMBER, ~~Regular Members~~—Society Affiliate or Retired 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~~ by reclassification from STUDENT MEMBER or ~~Regular Member~~—Graduate Student Member, 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~~, Graduate Student Member, STUDENT MEMBER, ~~Regular Member—Society Affiliate~~, or Retired 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 who is the spouse of a Regular 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 allocation from dues revenue for the official organ of the SOCIETY in lieu of one subscription.~~

5. **Unemployed Waiver.** After at least one year of paid membership, a Regular Member, ~~Regular Member—Contributing~~, or Society Affiliate 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 Society Affiliate dues category they held at the time of the request. Such annual waiver shall commence on the member's or Society Affiliate'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.

6. **Family Care Provider Discount.** After at least one year of paid membership, a Regular Member, ~~Regular Member—Contributing~~, STUDENT MEMBER, ~~Regular Member—~~ Graduate Student Member, or Society Affiliate who has elected to discontinue full-time professional employment or full-time course work 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 rate for the member or Society Affiliate dues category they had at the time of the request. Such discount shall commence on the member's or Society Affiliate'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 full-time professional employment or full-time course work.

VI. 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, 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 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 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 Schedule of Membership.

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REPORT OF THE COMMITTEE ON COMMUNITY ACTIVITIES

(joint with Board)

The Committee on Community Activities (CCA) resumed in-person outreach at the Presidential Outreach Event during the ACS Fall 2021 meeting in Atlanta, GA. The event, hosted at the Georgia Aquarium and shared via Facebook Live, attracted roughly 200 participants and celebrated the theme of chemical kinetics with “Fast or Slow... Chemistry Makes it Go!” ACS President Dr. H. N. Cheng is thanked for his sponsorship of this event and the Georgia Local Section is thanked for hosting.

In December 2021, CCA completed a strategic planning retreat and updated its projects, vision, and mission. The new vision of CCA is promoting understanding and appreciation of chemistry, and CCA's updated mission is supporting the global chemistry community through engaging outreach, resources, training, and recognition.

For the first time a Kids Zone event was included as part of the Pacifichem Congress. The virtual event brought together collaborators from the ACS, the New Zealand Institute of Chemistry, and the Chemical Society of Japan. A similar event will likely be included in future congresses.

The NSF-funded ChemAttitudes program has drawn to a close and outreach training materials are being updated with project findings and resources. Updated training resources will be made freely available later in 2022. Likewise, Safety in Outreach Settings resources will be released later this year.

CCA invites all local sections, international chemical sciences chapters, and student groups to participate, either virtually or in-person, in the 2022 Chemists Celebrate Earth Week campaign. The campaign runs from April 17 - 23 and celebrates insect chemistry with the theme “The Buzz About Bugs.” Resources will launch to support this campaign on February 1, 2022. The youngest scientists can participate in an Illustrated Poem Contest, and events celebrating insect chemistry for participants of any age are encouraged!

The theme of National Chemistry Week 2022 is “Fabulous Fibers: The Chemistry of Fabrics,” and will be celebrated October 16 - 22.

CCA welcomes the participation of any ACS member on any of our National Chemistry Week and Chemists Celebrate Earth Week Theme Teams for 2023 and beyond. Come and be part of the planning of these campaigns! CCA also strongly encourages all local sections and international chemical sciences chapters to recognize an Outreach Volunteer of the Year and to self-nominate for CCA ChemLuminary Awards. Please contact outreach@acs.org for more information.

Lori Stepan, 2022 Chair
Holly L. Davis, 2021 Chair

REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS

The January 1, 2022, edition of the ACS Governing Documents is available at www.acs.org/govdocs along with a detailed summary of changes.

In 2021 and early 2022, the Committee on Constitution and Bylaws (C&B), acting for the Council, issued certified bylaws to three Local Sections: Central Arizona, Central New Mexico, and Rochester. C&B also reviewed 12 proposed bylaws from eight Local Sections, three Divisions, and one International Chemical Sciences Chapter. Certified bylaws are available online at www.acs.org/govdocs (click on unit bylaws).

To update your unit's current bylaws, C&B recommends that you use either the model bylaws or the questions document; both methods give the same results. These documents and other useful information (e.g. all certified bylaws, status reports, and links to other documents) are available at www.acs.org/govdocs. Contact C&B at bylaws@acs.org for assistance in updating your unit's bylaws.

Although there are no petitions for amendments to the Constitution and Bylaws, the 2023 Schedule of Membership and the following petitions to amend the Standing Rules will be up for action by Council at the spring 2022 national meeting: Petition to Amend the Duties of the Committee on Chemists with Disabilities; and Petition to Amend the Use of Dues.

New petitions to amend the Constitution or Bylaws must be received by the Chief Executive Officer (bylaws@acs.org) by **May 4** to be included in the Council agenda for the fall 2022 national meeting in Chicago, IL. New petitions to amend the Standing Rules should be submitted by June 27. However, for all petitions, it is recommended that drafts be sent to C&B at least two months before these deadlines to ensure petition requirements are met and that the wording is in accordance with the ACS Governing Documents.

C&B will hold its executive meeting on Sunday, March 13, but will not hold an open meeting during the spring 2022 national meeting. However, upon request, C&B will send a brief status report and will be happy to respond to any questions. Please contact C&B at bylaws@acs.org.

Keith Vitense, 2022 Chair
Donna G. Friedman, 2021 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 Members. CEPA will be developing a new strategic plan in 2022.

The updated (10th edition) Professional Employment Guidelines (PEG) was approved by Council at the Fall 2021 Meeting. The Guidelines offer a broad spectrum of recommended practices in employment for professional scientists and their employers. They include four major sections: Beginning Employment, Employment Environment, Professional Development, and Involuntary Separation. You can review the PEG by visiting the CEPA website:

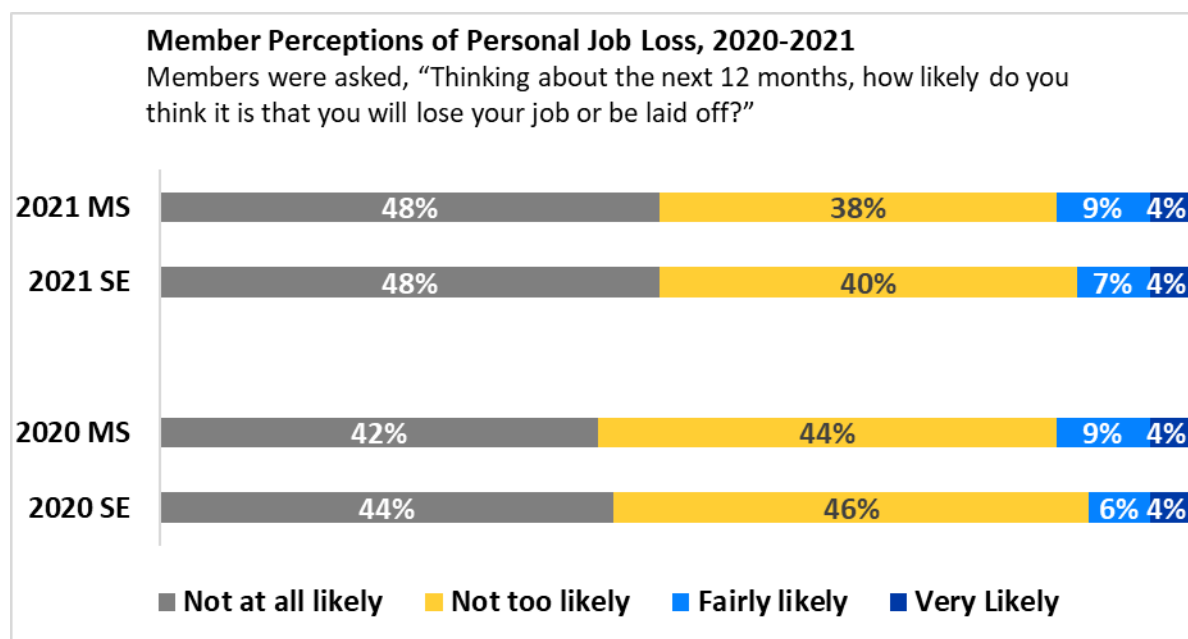
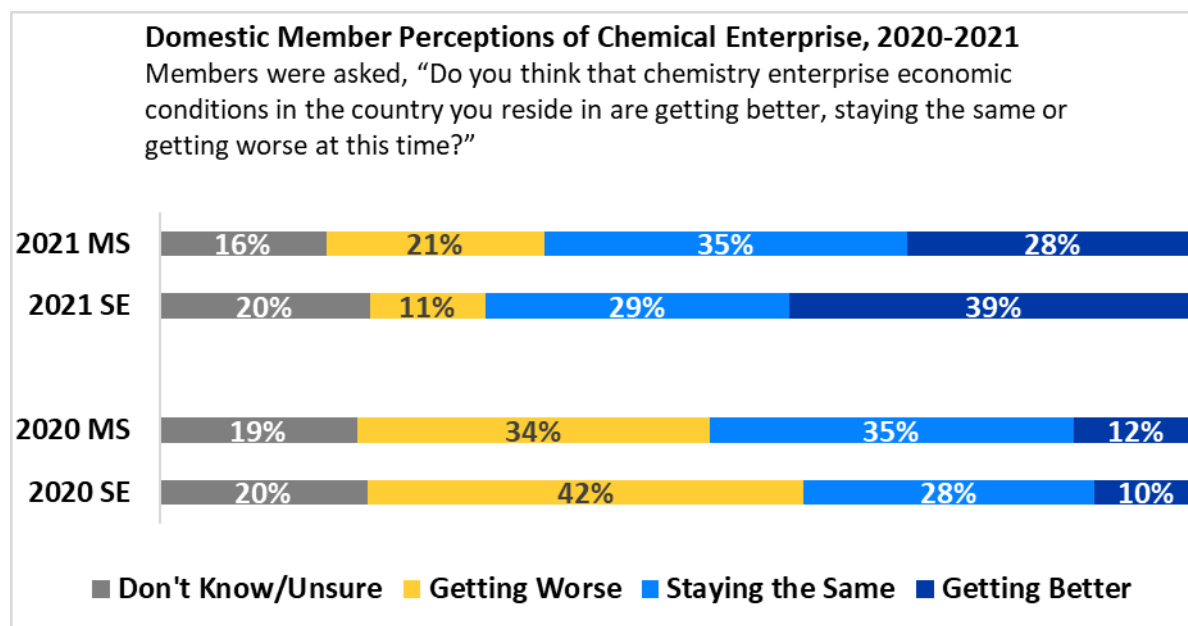
<https://www.acs.org/content/acs/en/about/governance/committees/economic-professional-affairs.html>

In 2021, CEPA, and the ACS Careers Team, continued to expand and improve the virtual programming that began in 2020.

- **Virtual Office Hours:** In these uncertain times we wanted to provide a standing time where Members could speak with our Consultants and network with fellow Members; to meet this need, Virtual Office Hours (VOH) was created. It began April 23rd, 2020 and took place every Thursday (outside of holidays) through September 2021. We had 1,332 Member interactions throughout this time. However, as attendance in weekly VOH declined, we evolved the sessions to become monthly themed events covering a variety of popular career topics. The program will continue to evolve to maintain Membership engagement. These events consist of a 45-minute workshop followed by 45-minute-long ACS Career Consultant led breakout sessions. From July – December 2021 we had 6 themed VOH events with a total of 1,919 registrants and 684 attendees. We continue to use these events to cross-promote other career-related programs, products and services, train new Career Consultants, and keep our established Consultants actively engaged with the program.
- **Virtual 1:1 Career Consultations:** In 2021 we enhanced the Virtual 1:1 Career Consultations experience by revamping the Career Consultant website. This project resulted in a far more aesthetically pleasing website which makes it much easier for Members to identify/connect with the Career Consultant best for them and contains more relevant info in each Consultant profile. 190 1:1 Virtual Career Consultations took place in 2021.

CEPA continues to recruit and develop ACS Member volunteers wishing to serve as ACS Career Consultants. In 2021, 17 volunteers (including 6 international individuals) were successfully recruited, completed the review process and have been approved to serve as ACS Career Consultants.

CEPA continues to monitor the industry and employment outlook as it relates to the pandemic. The following two graphs are questions shown in both the Membership Satisfaction Survey (MS) and Salary & Employment Survey (SE) in 2020 and 2021. The first chart for “Domestic Member Perceptions of the Chemical Enterprise” show that the perception of the enterprise is more positive as we move through the pandemic. The second chart for “Member Perceptions of Personal Job Loss” shows our Members continue to feel confident in their positions overall.



Career Development of our Members continues to be a priority for CEPA. CEPA continues to work with ACS staff to provide information to ACS Local Section leaders about ACS resources that may be available. Any Councilors or Section Officers that know of career resources needs in their geography should contact careers@acs.org to discuss potential resources.

Eric A. Bruton, Chair

REPORT OF THE COMMITTEE ON EDUCATION (joint with Board)

This report updates the Council on SOCED's progress in implementing the actions to which it agreed in Fall 2021 and highlights significant accomplishments of the Society's education programs.

SOCED's three subcommittees (Science Education Policy, Promoting Excellence in Education, and Student Communities), along with a collection of advisory boards and working groups, are engaging a range of experts and stakeholders from across the education community, and developing interactions and collaborations in pursuit of 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

SOCED activities also help advance several goals of the ACS Strategic Plan, including Goal 3 (support excellence in education), Goal 2 (empower members and member communities), and Goal 5 (embrace and advance inclusion in chemistry). The committee is committed to ensuring that the Society's core values are reflected in SOCED and ACS Education activities.

Science Education Policy

The SOCED charge includes developing reports and recommendations to the Board and Council on Society policies related to chemical education. The Science Education Policy Subcommittee is revising the [Science Education Policy](#) statement to:

- amplify the focus on underserved and underrepresented communities in the science, technology, engineering, and mathematics (STEM) education system;
- allow for flexibility around emerging trends and methods of teaching and learning in response to virtual learning, calls for broadband access, and other areas; and
- incorporate key aspects of two policy statements, the [Importance of Hands-on Laboratory Science](#) and the [Teaching of Evolution](#), into the larger statement.

The ACS comment "[Shaping a more inclusive and responsive STEM education system](#)" in the September 27, 2021 issue of *Chemical & Engineering News* requested input for the revision and encouraged the chemistry community to engage in the policy process.

Supporting Excellence in Education

SOCED is also charged with advising on matters relating to chemical education. The Supporting Excellence in Education Subcommittee is considering the design and implementation of ACS Education programs, products, and services. These include the following:

- Professional development activities, such as the [New Faculty Workshops](#) and the [Postdoc to Faculty Workshop](#), were held virtually in 2021 with plans to resume in-person events in 2022.
- A range of events and activities continue to support [Get the Facts Out](#), now in its 4th year of NSF-funding, and its informational campaign about the grades 7-12 teaching profession, designed to reach STEM majors in a large fraction of all U.S. mathematics, chemistry and physics departments. The number of chemistry champions is growing as are the numbers of chemistry faculty members aware of the project and using its research-based resources.

- The [American Association of Chemistry Teachers](#) (AACT) continues to expand its collection of resources, including webinars, an online resource library, and *ChemMatters* digital archive. For the 2021-2022 school year, 256 [Science Coaches](#) partnerships were initiated. In the 2021 AACT member survey, satisfaction increased along almost every measurable category. AACT ended 2021 with 8,725 members, an 8.5% increase since 2020.

Opportunities and challenges related to K-12 and higher education, such as leveraging theory, evidence, and effective practices, are also being considered.

Student Communities

As it fulfills its responsibilities regarding ACS Student Chapters, SOCED is also providing guidance regarding programs, products, and services for high school, undergraduate and graduate students, as well as postdoctoral scholars. These include the following:

- The [US National Chemistry Olympiad](#) program is broadening the diversity of high school students participating by offering webinars, coaching sessions, and recruitment grants.
- Grants for student communities were expanded in 2021, offering a total of 52 ACS Student Group Development and Engagement Grants and 22 ACS DEIR Faculty Advisor/Chapter Officer Grants. In 2022, [ACS Student Communities Engagement Grants](#) and [ACS Student Communities DEIR Grants](#) will be available on a first-come, first-served basis.
- The [ACS Graduate Student Organizations](#) (GSO) program, launched in 2020, now has 10 GSOs, three of which focus on safety, and one of which focuses on career and professional development.
- There are now 93 [ACS International Student Chapters](#) chartered in 29 countries.
- Reports for 2020-2021 activities were received from 223 domestic and 22 international student chapters, reporting on over 4900 and over 430 activities, respectively. The ACS Student Chapter Awards program is recognizing 49 outstanding, 72 commendable, and 86 honorable mention chapters for 2020-2021 activities.

Councilors and ACS Spring 2022 attendees are encouraged to attend the ACS Student Chapter Awards ceremony, to be held on Sunday, March 20, as well as the Undergraduate Research Poster Sessions, the Graduate and Postdoctoral Reception, and other [student programming](#).

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 14 undergraduate students, three of whom represented international student chapters, in the 2022 ACS Leadership Institute. SOCED and the Division of Chemical Education coordinate efforts ranging from meeting programming to supporting the American Association of Chemistry Teachers (AACT).

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

Carmen Gauthier, Chair

REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities (LSAC) conducted a Strategic Planning Retreat in November 2021. A retreat planning team refined the committee's **Vision:** Vibrant local sections enriching the lives and careers of members and **Mission:** Providing opportunities, resources, and networks to partner with and serve diverse member communities. In addition, the retreat participants developed the following goals:

- Provide local sections with accessible operational resources and support to thrive while promoting DEIR
- Increase LSAC visibility with stakeholders through a multi-faceted communications/engagement plan
- Provide leadership training that enriches, diversifies, and develops the volunteer pipeline.

LSAC will meet at the 2022 Spring Meeting to review the strategic plan and to identify project teams to achieve the above-mentioned goals.

LSAC reviewed the dues pool distribution and recommends maintaining the existing allocation formula. The allocation formula, which has been in place since 2013, applies fixed percentages for a base and per capita allocation as well as discretionary funds for LSAC grant programs.

LSAC approved the following grant programs for 2022:

Grant	Submission Deadline
Spring Innovative Project Grant (IPG)	January 31
Members Engaging Through Technology (METT) Grant	May 31
Fall Innovative Project Grants (IPG)	June 30
Science Café Mini-Grant	October 15
Diversity Equity Inclusion and Respect (DEIR) Grant	November 15
Strategic Planning Retreat Grant	November 15
Leadership Institute Travel Stipends	December 15

LSAC will host the Local Section Track of the ACS Leadership Institute on May 20-22, 2022, in Atlanta, GA. In addition to the in-person training, LSAC plans to offer virtual track sessions throughout the year (dates TBD). All incoming chairs-elect, as well as other interested local section officers are encouraged to attend this important training. Registration details will be shared at a later date.

More information about LSAC grants, the ACS Leadership Institute and other matters impacting local section operations can be found in the Local Section Officer's Toolkit available on line at <https://www.acs.org/content/acs/en/local-sections.html> and in the Officer Insights newsletter digest which is emailed to all local section officer the first Friday of each month. Questions may be directed to lsac@acs.org.

W. Matthew Reichert, Chair

REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

The changing dynamics of scientific conferences has created opportunities for the Committee on Meetings & Expositions (M&E) to expand the ACS meeting offerings. We have collaborated with external and internal stakeholders, including Board members, representatives of other Governance committees, program/divisions chairs, and vendor partners to construct innovative platforms that engages the ACS membership.

Fall 2021 Meeting & Expo

The Fall 2021 Meeting in Atlanta was the first meeting since the beginning of the pandemic with in-person participation. As the first hybrid meeting, registration was strong with 8,267 registrants with 2,756 being first time attendees. The final count of virtual attendees was 6,377 (71%) and 1,890 (23%) for in-person attendance. International attendance was 21%. The top five international countries represented was led by China, followed by Canada, United Kingdom, Germany, and Japan. The meeting had 5,608 oral presentations, 1,600 poster sessions, and a range of networking activities. While Fall 2021 did not feature an Expo, there was solid participation in the sponsorship program, with 31 participating companies and organizations.

Spring 2022

Attendee safety is the leading consideration as we plan the meeting. The health & safety guidelines adhere to CDC guidelines for large indoor gatherings along with requirements of the California Department of Public Health. All attendees, exhibitors, vendors, and ACS staff must be fully vaccinated and must wear an approved mask while participating in an ACS hosted/sponsored event or meeting. ACS has partnered with 42Chat/HealthShield to ensure that all vaccination records are properly secured, validated, and approved prior to the meeting. The expo is returning for Spring 2022 and will have exclusive hours, 12:00-2:00 p.m. on Monday and Tuesday, which will be a new experience.

Virtual Meetings

The ACS meetings department planned and participated in nearly twenty hybrid, virtual regional, specialty meetings and events, which had more than 6,000 attendees combined. 2021 closed with the 100% virtual PacificChem Congress, with more than 8,700 registrants, representing 71 countries, with nearly 9,300 live technical presentations.

As M&E continues to diversify the meeting experience, our members will have increased opportunities to participate in thought-provoking scientific exchanges.

Rick Ewing, Chair

REPORT OF THE COMMITTEE ON MINORITY AFFAIRS
(joint with Board)

The Committee on Minority Affairs (CMA) was organized in 1993. Our Mission, updated in the 2019 strategic plan is to advance a broader, inclusive, and equitable chemistry enterprise by empowering underrepresented groups, stakeholders, and marginalized peoples for the benefit of the world. CMA is currently a committee of 22 members and associates and is divided into the following five Subcommittees:

1. Programs and Events
2. Membership Engagement and Professional Development
3. Communication
4. Awards and Recognition
5. ACS Scholars

During the National ACS meetings, CMA members discuss the progress and limitation in achieving our goals as a committee. The committee is currently working on the following three goals:

1. Increase diversity awareness by providing professional development and recognition opportunities to underrepresented groups within the chemical sciences.
2. Strengthen ACS programming to reflect a broader inclusive and equitable chemistry enterprise.
3. Enhance shared expertise in effective diversity, equity and inclusion content and act as a resource to stakeholders.

During the ACS Fall 2021 meeting, Council approved an amendment to the committee duties, most notably the addition of studying the impact of the Society's DEIR activities on representation of marginalized groups and the ability to provide statements and recommendations to the Council and Board of Directors. Over the course of the year, the committee will discuss implementation of this duty into existing goals and work.

To work towards goal 1 in 2021, An article on 'Best Practices to Diversify Chemistry Faculty '-coauthored by our own CMA members, was published in the *ACS Journal of Chemical Education*, which highlights the need to use inclusive language in policies and procedures aimed at increasing the diversity of faculty applicant pool.

In alignment with goal 2, CMA is planning several events for 2022 Spring and Fall meetings. For the Spring ACS 2022 meeting, CMA is organizing a technical symposium honoring the legacy of Dr. Bettye Washington Greene, the first African American female Ph.D. chemist employed in a professional position at The Dow Chemical Company. During her career at Dow, Dr. Greene made key contributions in colloid and interfacial science for industrial applications. This symposium is co-sponsored by Dow Chemical and the ACS Colloids Division.

During the ACS Meeting, CMA will celebrate the scientific legacy of Dr. Marie Maynard Daly by organizing a symposium that will celebrate the scientific achievements of Dr. Daly in the field of Biochemistry and Chemical Biology. Overcoming the dual hurdles of racial and gender bias, Marie Maynard Daly (1921–2003) was the first African American woman to earn a Ph.D. in Chemistry in the United States from Columbia University. Dr. Daly conducted important studies on cholesterol, sugars, and proteins. In addition to her research, she was dedicated to developing programs to increase the enrollment of students from underrepresented racial and ethnic groups in medical and graduate school.

A new historical landmark at Columbia University will be installed in 2023 in collaboration with the New York ACS Local Section. By recognizing and celebrating Dr. Greene and Dr. Daly's contributions to chemistry, CMA seeks to provide inspirational and relevant role models while providing opportunities for additional scientists to share their own contributions to the field.

With regards to goal 3, CMA has and continues to serve as a resource on DEIR topics and issues. This includes participation in the new DEIR Experts Panel and Roundtable and working closely with the Office of DEIR to communicate the importance of Diversity, Equity, Inclusion and Respect in ACS member activities.

The above three goals align with our mission and vision to engage people from all ethnicities, perspectives, backgrounds, cultures, to participate in science. The inclusion of people with diverse experiences and backgrounds is vital to the progress of science. Join us in advancing that work. Information on CMA and its related activities can be found at our website--ChemDiversity.org.

Reni Joseph, 2022 Chair
Kishore Bagga, 2021 Chair

REPORT OF THE COMMITTEE ON NOMENCLATURE, TERMINOLOGY, AND SYMBOLS

The Committee on Nomenclature, Terminology and Symbols (NTS) mission is to educate, facilitate, and advocate for the use of chemical representations that support a universal understanding of chemistry.

Despite some COVID related setbacks, we are continuing to make progress on three projects:

1. Development of videos demonstrating ASL signs for each element.
2. The Braille Authority of North America is wrapping up a review of the code jointly created with NTS to represent chemical structures in a standardized way.
3. Co-sponsoring or leading symposia at ACS meetings and other educational conferences.

NTS is planning on holding a Strategic Planning Retreat to ensure that NTS remains in tune with the needs of its stakeholders.

Tad Whiteside, 2022 Chair
Michelle M. Rogers, 2021 Chair

REPORT OF THE COMMITTEE ON PROFESSIONAL TRAINING
(joint with Board)

In support of its vision to maintain and lead excellence in training chemistry professionals in the 2020s, the Committee on Professional Training's (CPT's) portfolio now contains almost 700 colleges and universities with ACS approved chemistry programs. In 2020-21, these programs graduated over 12,000 students with bachelor's degrees in chemistry and over 7,500 students with bachelor's degrees in biochemistry.

Bachelor's Degree Recipients 2020-2021: Gender, Ethnic, and Racial Diversity

ACS approved programs conferred almost 20,000 bachelor's degrees in 2020-21. The gender diversity for these graduates is shown below in Figure 1. The racial and ethnic diversity for these graduates is shown in Figure 2.

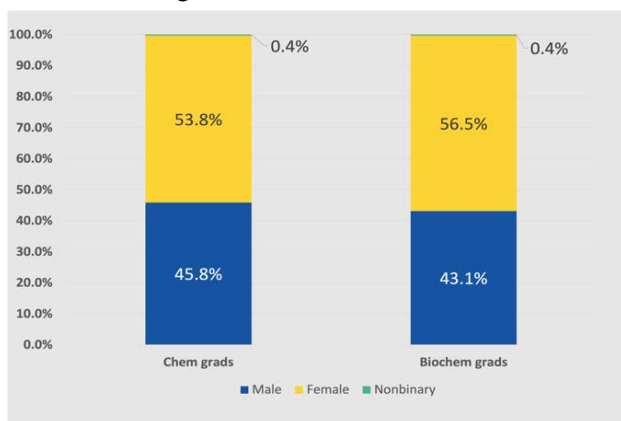


Figure 2: Gender diversity amongst bachelor's degree recipients in chemistry (L) and biochemistry (R). N = 656

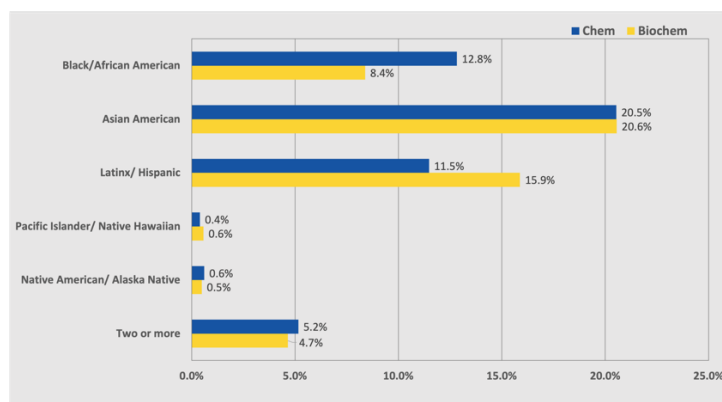


Figure 1: Racial/ethnic diversity amongst bachelor's degree recipients for chemistry and biochemistry. N = 656.

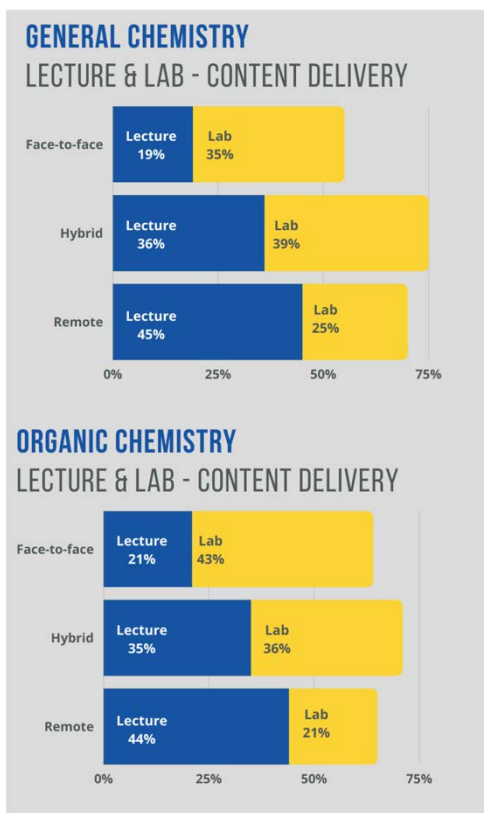


Figure 3: Content delivery for general (top) and organic (bottom) chemistry lecture (blue) and lab (yellow) for the 2020-21 academic year. N=656.

Approval and Review Statistics: While most academic programs did not return fully to face-to-face instruction in 2020-21, the ACS approval and review process continued without interruption. Since our last report in spring 2021, CPT has held 3 meetings (all virtual due to the COVID-19 pandemic), the most recent in January 2022, to review **179** periodic reports. Committee members also reviewed applications for programs interested in obtaining ACS approval. Since the fall 2021 meeting, an additional **13 programs** have joined the ACS Approved Program cohort.

CPARS Reporting: The Chemistry Program Approval and Review System (CPARS) has been fully operational for two years. Programs submit all reports via this database system. CPT reviews of these reports also occur within the database. The power of collecting information via a database is that it provides ACS with data essential to understanding the current academic landscape. For example, CPT was able to collect information on the mode of instruction for chemistry majors in either general or organic chemistry (Figure 3). Data examining the gender diversity from bachelor's degree recipients to first year graduate students to Ph.D. recipients to Full Professors has clearly shown a widening gap in gender present in that career path (Figure 4).

Guidelines Revision: CPT's mission focuses on providing guidelines and setting standards for the training of chemistry professionals. The committee continued its work in developing and revising the ACS Guidelines for Bachelor's Degree Programs to both promote effective practices and encourage innovations in chemistry education and expects to publish the revised version late in 2022. Modifications to the current guidelines will include: 1) a focus on the development of professional skills and competencies; 2)

promotion of a comprehensive view of safety; and 3) recommendations for advancing diversity, equity, inclusion, and respect (DEIR) policies and educational practices in academic settings (these were published in the DEIR special edition of the *Journal of Chemical Education* (*Guidelines for Advancing Diversity, Equity, Inclusion, and Respect in Programs Offering Bachelor's Degrees in Chemistry* Michelle M. Brooks, Felicia A. Fullilove, Ashley B. Mahoney, and Edgar A. Arriaga, *Journal of Chemical Education* 2022 99 (1), 393-401 DOI: 10.1021/acs.jchemed.1c00493).

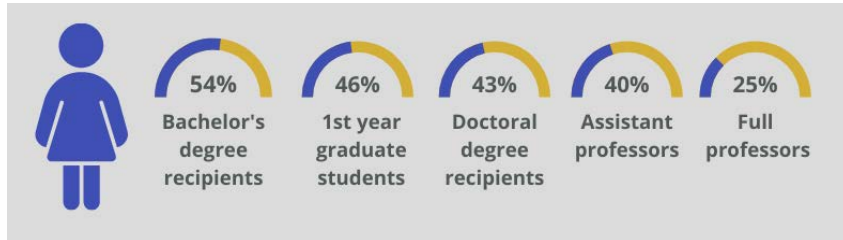


Figure 4: The percentage of females in chemistry from undergraduate to full professors. Data were collected from ACS Approved institutions via annual (bachelor's degrees, graduate students, doctoral degrees) and periodic reports (assistant and full professors).

Global Activities: A working group within CPT has been exploring options for the evaluation of undergraduate chemistry programs internationally and, in 2021, completed a pilot program focused on the recognition of global programs in the chemical sciences. CPT voted to approve the process and evaluation of these programs and plans to launch the ACS Recognition program in 2022. ACS recognition for these programs means that these programs align with the ACS international guidelines. More information on this program and the guidelines is available on the [website](#) (launched in October 2021).

CPT Response to COVID-19: CPT provided guidance in 2020 to approved programs affected by COVID restrictions. The temporary adjustment of the Guidelines provided flexibility to programs and their majors in a variety of areas including frequency of course offerings, virtual laboratory experiences, and pass/fail grading. The adjustments to the guidelines have been extended to June 30, 2022 and will be re-evaluated at the spring (March 2022) meeting.

Scott Reid, 2022 Chairperson
Kerry Karukstis, 2021 Chairperson

REPORT OF THE COMMITTEE ON PUBLIC RELATIONS AND COMMUNICATIONS

(joint with Board)

The Society 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:

- CPRC gathered by Zoom four times throughout 2021
 - Met early in the spring to catch up, formally welcome our new members and associates, and set goals for the subcommittees, working groups, and task force.
 - Later in the spring, CPRC gathered to report on successes and accomplishments, of each subcommittees, working groups, and task force.
 - Met early in the fall to learn about ACS strategic plan and change drivers from the Strategic Planning Committee and to hear from subcommittee, working groups, and task force with updates.
 - At the late fall meeting, we celebrated Jennifer Maclachlan, the Helen M. Free Award in Public Outreach awardee for 2021. Jennifer gave a very special presentation. We also heard updates from subcommittees, working groups, and task force.
- In 2021, the committee acknowledged the 25th anniversary of the Helen M. Free Award in Public Outreach by [publishing a C&EN Comment](#).
- CPRC is looking forward to celebrating Jennifer Maclachlan again as the 2022 winner of the James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public during the 2022 ACS Fall 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.
- With co-sponsorship by CINF, the CPRC Programming Task-force rekindled its “Scientific Visualizations and Creative Presentations” to be held as a hybrid symposium at ACS Spring 2022 in San Diego. The key speaker is Andy Brunning, the creative chemist behind *Compound Interest* infographics, and a slate of other outstanding chemical communicators will speak.
- Members of CPRC and the Women Chemists Committee held a panel discussion and “call-to-action-a-thon” about sexual harassment in the wake of the film “Picture a Scientist.” The panelists were Dr. Tessa Charlesworth, a social psychologist at Harvard University; Dr. Alysha Dicke, a technology specialist at Fish & Richardson; and Margaret Frasier, Director of Diversity and Inclusion for the American Geophysical Union.
- In fall of 2021, a CPRC task force launched and ran a video contest on Twitter, Facebook, and Instagram to encourage people to share their elevator speech of why they are a chemist. The goal was to promote Chemistry Ambassadors. Entries were due on Mole Day (Oct. 23) at 6:02 a.m. Two winning entries [were recognized](#).

Any section that needs help communicating with public audiences is urged to contact CPRC staff liaison Emily Abbott for assistance (PR-comms@acs.org).

Preston MacDougall, 2022 Chair
Amber F. Charlebois, 2021 Chair

REPORT OF THE COMMITTEE ON SENIOR CHEMISTS

(joint with Board)

The Senior Chemists Committee (SCC) continues its initiatives in support of the ACS strategic goal and Core Value of Diversity, Equity, Inclusion, and Respect (DEIR). The “Great Connections” program debuted in December 2021 at a middle school in Maryland. Six “Slow the Glow” demonstrations were conducted with eighth graders. This program was established to develop “kid friendly” chemistry activities to inspire underrepresented students to pursue science. The “[Campaign to Support the ACS Scholars Program](#)” contributed to a successful outcome of donations – the goal for 2021 was exceeded by \$600,000. Both programs will be continued in 2022.

Engagement with senior chemists at the local level continues to be strengthened. SCC led activities at six ACS Regional Meetings in 2021. In addition, funding was provided to 18 Local Sections and although COVID restrictions complicated scheduling, creative and careful planning allowed 13 sections to host events. Funding was also granted to five divisions/ACS entities that will be hosting activities to advance the ACS DEIR goal. The mini-grant programs will continue this year: the online applications opened on February 15. More information on both the SCC Local Section and DEIR grants can be found at www.acs.org/seniorchemists. The SCC ChemLuminary Awards for 2021 were presented to the Puget Sound Local Section for the Best Continuing Senior Chemists Activity and to the Indiana and Kentucky Lake Local Sections for the Best New Senior Chemists Activity.

The SCC and the Younger Chemists Committee (YCC) ended the year with a successful Co-Mentorship Program. Seventeen member pairs were established and reported productive and enjoyable experiences. The SCC and YCC will host an in-person “Networking with Chemistry Professionals & Students” event at the ACS 2022 Spring Meeting in San Diego on March 20. The ACS Division on Business Development & Management (BMGT) and the Undergraduate Student Advisory Board (USAB) are co-sponsors.

The first SCC committee meeting for 2022 was held on January 26 to welcome new associates and share updates on events in preparation for the spring national meeting. The SCC will host its Open Virtual Meeting on March 14 and a virtual “coffee hour social” event on March 29. The keynote speakers for the event are Cordelia Running, an assistant professor in Nutrition & Food Science at Purdue University, and Matt Hartings, an associate professor of Chemistry at American University and author of *Chemistry in Your Kitchen*. The theme will be “Chocolate Chemistry.”

During the spring meeting, SCC is co-sponsoring a “Planning for Retirement” symposium (hybrid) with the Divisions on Professional Relations (PROF) and Small Chemical Businesses (SCHB). SCC is also partnering with BMGT on a “Chemical Angel Network: Chemists Investing in Companies” symposium, co-sponsoring a symposium with SCHB entitled “In Memory of Jane Thomas”, and another symposium with BMGT entitled “Leaving a Legacy of Service: Honoring Mark D. Frishberg”.

The Newsletter for Senior Chemists - A New Senior Chemists Chair, Ionic Liquids, Women in Academia, Chiles, and More – was released on March 16.

Robert A. Yokley, 2022 Chair
Arlene A. Garrison, 2021 Chair

REPORT OF THE COMMITTEE ON 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.

This 2022, WCC celebrates its 95th anniversary. WCC started in 1927 under the leadership of Mrs. Glenola B. Rose. Initially called the Women's Service Committee, the WCC actively has promoted and advocated for women.

The following action items have been implemented by the WCC since the Fall ACS National Meeting.

- 1. Women Chemists of Color Networking Event:** On October 22, 2021, WCC sponsored the virtual networking event: Women Chemists of Color Celebrating National Chemistry Week. The one-hour event provided breakout rooms for participants to discuss issues such as finding good mentors, managing careers with intentionality, and finding career developing opportunities. A second event is scheduled for later in 2022.
- 2. Eli Lilly Travel Award Winners:** A poster session honoring the ten winners of the Eli Lilly Travel Award occurred on Tuesday, March 22. This is first time since the pandemic that this award has been given. Applications for the next Eli Lilly Travel Award closed on March 1.
- 3. ACS Webinar:** On March 8, the WCC co-sponsored the ACS webinar "Launch Point: The Hidden Key to Taking Your Career to the Next Level." Speakers Katherine Lee and Kathryn McHugh provided insight into self-awareness for women to elevate their careers.
- 4. ACS Award for Encouraging Women into Careers in the Chemical Sciences:** The WCC sponsored a half-day symposium honoring the 2022 award winner Professor Mindy Levine on Tuesday, March 21st.
- 5. Advancements for ADVANCE:** On March 21, WCC sponsored a half-day symposium of invited speakers who were grant recipients of the NSF ADVANCE program. The presenters discussed their insights into initiatives for organizational change for gender equity in STEM academic professions.
- 6. Rising Stars Award Symposium:** WCC celebrated the accomplishments of the nine individuals who were awarded the 2021 Rising Stars Award.
- 7. Strategic Planning Retreat:** WCC will be having a strategic planning retreat this summer to update its vision, mission, goals, and projects. ACS members with suggestions or comments that WCC should consider during its strategic planning retreat are welcome. These can be sent to wcc@acs.org.

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.

Amy M. Balija, Chair

REPORT OF THE COMMITTEE ON YOUNGER CHEMISTS

(joint with Board)

The Younger Chemists Committee (YCC) will host a committee meeting on Saturday, March 19. During the meeting, the committee will host several ACS speakers, as well as participate in subcommittee breakout sessions. A social event will follow. Several YCC members plan to attend the National meeting in-person and we have organized the symposium, “Starting a Successful Research Program at a Predominantly Undergraduate Institution” Please feel free to reach out during the meeting to learn more about our activities.

The YCC continues to make progress towards our goals. Here are some highlights:

- Hosted a virtual event outside of the typical national meeting structure in late October titled, “A Day in the Life of a Medicinal Chemist for Plants” A presentation followed by an informal Q&A session was offered and the event was well attended.
- Launched an internal mentoring program between members and associates of the committee. Some of the anticipated objectives for the program include knowledge-sharing about ACS leadership/volunteer paths in YCC, participation in YCC, and present and future opportunities for involvement in ACS governance.
- YCC also continues to foster the growth of the YCC and Senior Chemists Committee (SCC) co-mentoring program by implementing changes based on participant feedback.
- Held a virtual Local Section YCC (LSYCC) chair summit, where LSYCC chairs were able to communicate their ideas and best practices for local programming and volunteer retention/recruitment.

YCC regularly updates our Facebook ([ycc.acs](https://www.facebook.com/ycc.acs)), Twitter ([@ycc_acs](https://twitter.com/ycc_acs)), and [LinkedIn](#) social media accounts. Please also check out our website (<https://acsycc.org/>) to stay up-to-date on our activities.

Katherine R. Johnson, Chair