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# AMERICAN CHEMICAL SOCIETY

## Council Agenda

Wednesday, August 19, 2020  
11:00 AM EDT

## VIRTUAL MEETING

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

AMERICAN CHEMICAL SOCIETY  
 COUNCIL VIRTUAL MEETING  
 11:00 A.M. EDT  
 August 19, 2020

AGENDA

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FOR COUNCIL ACTION 

**DRAFT  
MINUTES****SPECIAL MEETING OF THE COUNCIL  
Town Hall with Nominees for PRESIDENT ELECT, 2021  
AMERICAN CHEMICAL SOCIETY  
Virtual  
April 20, 2020**

The Council of the American Chemical Society met virtually on April 20, 2020 at 11:30 a.m. EDT for a Special Meeting, designated as a Town Hall, for Councilors to hear from and ask questions of the 2021 President Elect Nominees. President Luis Echegoyen presided; Amber Hinkle, Chair of the Committee on Nominations and Elections and Tom Lane, past ACS President, served as moderators. Nominees Mary K. Carroll, Michael P. Doyle, Angela K. Wilson, and Frank D. Blum provided opening and closing statements and responded to moderated questions.

During the meeting, 282 Councilors attended all or portions of the meeting, with a quorum being established.

Purpose of Meeting

Dr. Echegoyen explained that the singular purpose of the meeting was for voting Councilors to hear from and ask questions of the four individuals selected by the Committee on Nominations and Elections as nominees for ACS President-Elect, 2021. The Council Policy Committee approved the format, which was based on the traditional Town Hall meeting for nominees held each spring at the national meeting, and on the formal introduction of the nominees during the Spring Council meeting. The nominees had agreed to participate and to abide by the proceedings. The Council Policy Committee also authorized the Committee on Nominations and Elections to supervise the selection process to determine two candidates from among the four nominees. The selection will take place by electronic ballot the week of April 27, 2020. Other business or motions at the meeting will be out of order.

Statements and Moderated Discussion

Amber S. Hinkle, chair, Committee on Nominations and Elections (N&E), in accordance with the provisions of Standing Rule IV, Sec. 1, a (2), called upon the moderator Thomas H. Lane, past ACS President, to present the following nominees for selection as candidates for President-Elect 2021: Frank D. Blum, Mary K. Carroll, Michael P. Doyle, and Angela K. Wilson. Each nominee offered an opening statement, answered questions submitted from the Councilors, and made closing remarks.

Conclusion

Dr. Echegoyen thanked everyone for attending, adding that he hoped the exchange helped Councilors to have a better understanding of the experience, talents and vision that each of these nominees would bring to the Society in the position of President-Elect.

The meeting was adjourned at 12:32 p.m.

Flint H. Lewis  
Secretary

ELECTION TO  
COUNCIL POLICY COMMITTEE

Action Requested: The Committee on Nominations and Elections has selected the following slate of candidates for membership on the Council Policy Committee:

- |                         |                              |
|-------------------------|------------------------------|
| 1. Gary D. Anderson     | 6. Elizabeth M. Howson       |
| 2. Brian B. Brady       | 7. James M. Landis           |
| 3. Mitchell R. M. Bruce | 8. Zaida C. Morales-Martinez |
| 4. James C. Carver      | 9. Margaret J. Schooler      |
| 5. Mark D. Frishberg    | 10. Jeanette M. Van Emon     |

The Council must elect five individuals: The four candidates receiving the highest numbers of votes will be declared elected for the 2021-2023 term, and the candidate receiving the fifth highest vote will be declared elected for a one-year term for 2021. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are presented in summary form at the end of this item.

Supplementary Information:

**Description of Duties and Desired Characteristics for Members of the  
Council Policy Committee (CPC)**

The Council Policy Committee (CPC) serves as the Executive Committee of the Council. The committee and three Subcommittees are responsible for several specific items including:

- creating the slate of candidates for N&E;
- ensuring activities at Council, including items for action, are conducted in line with our Constitution & Bylaws, and preparing the Council President for potential challenges;
- conduct long-range planning for Council, aligned with the ACS strategic plan and its implementation; and
- recommending to Council positions on amendments to the Constitution & Bylaws.

To succeed in these activities, members are expected to understand the role of the Council in serving ACS, the responsibilities of a Councilor and the governance structure. They should also have a broad network across ACS.

CPC meets Tuesday mornings at national meetings (approximately 8 a.m. - 12 p.m.); the CPC subcommittees meet on Monday morning. Members of a subcommittee may be asked to participate in the New Councilor Orientation (currently held on Saturday afternoon at the Spring meeting). Subcommittees and Task Force Groups have meetings via conference calls between national meetings.

Members of CPC must be voting Councilors.

Those members of the Council Policy Committee whose terms end on December 31, 2020, are as follows:

Dee Ann Casteel, Susquehanna Valley  
Mark D. Frishberg, California  
Zaida C. Morales Martinez, South Florida  
Margaret J. Schooler, Delaware  
Linette M. Watkins, Professional Relations (Virginia Section)

Linette M. Watkins is ineligible for reelection.

The present members of the Council Policy Committee who continue on that body are:

2019-2021

Ella L. Davis, Philadelphia Section  
Lissa Dulany, Georgia Section  
Martin D. Rudd, Northeast Wisconsin Section

2020 - 2022

Anne M. Gaffney, Catalysis Science & Technology (Idaho Section)  
Lydia E.M. Hines, Kalamazoo  
Will E. Lynch, Coastal Georgia  
Sally B. Peters, Silicon Valley

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**ANDERSON, GARY D.** *Central Ohio Valley Section.* Marshall University, Huntington, West Virginia.

**Academic Record:** University of Oklahoma, B.S., 1964, M.S., 1965; Florida State University, Ph.D., 1972.

**Honors:** ACS Fellow, 2019; Alpha Chi Sigma: Kuebler Award, 2016.

**Professional Positions** (for past ten years): Marshall University, Professor Emeritus 2008 to date; Professor, 1992-2008; Associate Professor, 1985-92; Assistant Professor 1981-85.

**Service in ACS National Offices:** Committee on Local Section Activities, 2015-20; Committee on Divisional Activities, 2008-15; Leadership Advisory Board, 2013-15; Committee on Meetings and Expositions, 2001-07, Committee Associate, 2000-01.

**Service in ACS Offices:** *Central Ohio Valley Section:* Councilor, 1999-2022; Alternate Councilor, 1989-98; Chair, 1985; Chair-Elect, 1984; Treasurer, 1982-83; Newsletter Editor and Webmaster, 2008-20, 1994-02; Long-Range Planning Committee, Chair, 1998; National Chemistry Week Chair, 1998-05; Public Relations Chair, 1992-99. *Kansas City Section:* Secretary, 1980; Education Committee Chair, 1978-79.

**Member (current):** Member ACS since 1966. Alpha Chi Sigma, Sigma Xi; Phi Lambda Upsilon. *ACS Divisions:* Chemical Education; History of Chemistry, and Organic Chemistry.

**Related Activities:** Science History Institute, member of Heritage Council and of Instruments and Artifacts Committee, 2000 to date.

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**BRADY, BRIAN B. *Southern California Section.*** The Aerospace Corporation, El Segundo, California.

**Academic Record:** Columbia University, PhD., Physical Chemistry, 1986, M.A., Physical Chemistry, 1982; University of Pennsylvania, B.A., Chemistry, 1981.

**Honors:** ACS Fellow, 2019; Agnes Ann Green Award for Distinguished Service, Southern California Section, ACS, 2017; Certificate of Appreciation, "Advanced Component Technologies and the NASA Earth Science Technology Office," 2011; Certificate of Appreciation, AEHF Anomaly Investigation Board, 2010; Inventor's Award, "Hypergolic Ignition of a Paraffin Based Fuel Formulation for a Hybrid Rocket Motor," 2008; Certificate of Appreciation, "Instrument Incubator Program (IIP) and the NASA Earth Science Technology Office," 2008; Space Materials Lab & Launch System Division Commendation, "For Outstanding Support Investigating FOD in LOx," 2007; Certificate of Appreciation, "Instrument Incubator Program (IIP) and the NASA Earth Science Technology Office," 2008; Program Recognition Award "Enhanced Imaging System Program," 2006; Team Award "For the application of innovative perchlorate assessment techniques to SMC launch programs" 2004; Individual Award "For 22N Thruster Anomaly Resolution" 2004; Hammett Award, Columbia Univ., 1986; Team Award, Columbia Univ., 1983; American Institute of Chemists Award, 1981

**Professional Positions** (for past ten years): The Aerospace Corporation, Principal Scientist, Propulsion Sciences Department, 1989 to date;

**Service in ACS National Office:** Committee on Constitution and Bylaws, 2016-20.

**Service in ACS Offices:** *Southern California Section:* Councilor, 2015-20, Chair, 2020, 2013, Chair-Elect, 2019, 2012. *District VI Councilor Caucus:* Chair 2017. *Western Regional Meeting:* Volunteer Coordinator, 2011.

**Member:** Member ACS since 1986.

**Related Activities:** American Institute of Aeronautics and Astronautics (Hybrid Propulsion Technical Committee) Recording Secretary 2018-20; 16 Journal Publications, 4 patents, 2 patents pending.

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**BRUCE, MITCHELL R.M. *Maine Section.*** University of Maine, Orono, Maine.

**Academic Record:** Antioch College, B.S., 1979; Columbia University, M.A., 1981; Ph.D., 1985.

**Honors:** ACS Fellow, 2014; Sigma Xi.

**Professional Positions** (for past ten years): University of Maine, Professor, 2017, Associate Professor, 1993-2017.

**Service in ACS National Offices:** Committee on Committees, 2015-20; Leadership Advisory Board, 2017; Committee on Meetings & Expositions, 2014, Committee Associate; Committee on Local Section Activities, 2010-13, Chair, 2013, Committee Associate, 2006-07; Council Policy Committee, (Nonvoting), 2013; Committee on Planning, 2013; Committee on Project SEED, 1997-05, Chair, 2004-05, Committee Associate, 1996; Committee on Publications, Committee Associate, 1992-94.

**Service in ACS Offices:** *Maine Section:* Councilor, 1991-2020.

**Member (current):** Member ACS since 1983. National Association for Research in Science Teaching. *ACS Divisions:* Chemical Education; and Inorganic Chemistry.

**Related Activities:** Founding member, University of Maine, Research in STEM Education (RiSE) Center (since 2003); Director of the InterChemNet Project, University of Maine, 1993-to date; University of Maine, Assistant Professor, 1987-93; University of North Carolina, Postdoc Fellow, 1985-87; Charles F. Kettering Laboratory, Research Associate, 1977-80; published 65 journal articles and 3 patents.

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**CARVER, JAMES C.** *Division of Chemistry & The Law (Baton Rouge Section).* The Carver Law Firm LLC, Baton Rouge, Louisiana.

**Academic Record:** Centenary College, B.S., 1967; University of Tennessee, Knoxville, Ph.D., 1972; University of Georgia, Postdoctoral Fellow, 1972-75; Louisiana State University, J.D., 1989.

**Honors:** ACS Fellow, 2014; Howard and Sally Peters Award, 2017; Coach of the Year-Susan C. Kalinka Memorial Award for Advocacy Programs at LSU Law Center, 2012; Roger D. Middlekauff Award, 2008; Fellow, Louisiana Bar Foundation, 2002.

**Professional Positions** (for past ten years): The Carver Law Firm, LLC, 2011 to date; Oats & Hudson Law Firm, Partner, 2009-11; Taylor, Porter, Brooks, & Phillips, LLP, Associate, 1989-1994, Partner, 1995-2008; Registered Patent Attorney, 2008 to date.

**Service in ACS National Offices:** Committee on Budget and Finance, Committee Associate, 2020; Committee on Membership Affairs, 2018-19; Committee on Constitution and Bylaws, 2014-17, Consultant, 2018-20, Chair, 2015-17, 2007-12, Committee Associate, 2006; Council Policy Committee (CPC), (Nonvoting), 2015-17; Committee on Divisional Activities, Committee Associate, 2013; Task Force on Governance Design, 2017-18; Subcommittee on Revising Governing Documents, Chair, 2017-18.

**Service in ACS Offices:** *Chemistry & The Law Division:* Councilor, 2005-20, Alternate Councilor, 2001-04, Chair, 1995, Chair-Elect, 1994.

**Member (current):** Member ACS since 1971. Board of Visitors for the Department of Chemistry of the University of Tennessee; Board of Trustees for the LSU Law Center; Louisiana State Bar Association; Texas Bar Association; Baton Rouge Bar Association; Dean Henry George McMahon American Inns of Court; Member and Past-Chair of Advisory Board of the Baton Rouge Salvation Army. *ACS Divisions:* Chemistry & The Law; and Environmental Chemistry.

**Related Activities:** Exxon R&D Labs., Staff Chemist, 1978-86; Texas A&M University, Assistant Professor, 1975-78; The University of Georgia, Instructor, 1976-78; Arbitrator for the Better Business Bureau, 1995-2019.

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**FRISHBERG, MARK D. California Section.** Custom Organic Synthesis Consultant, Federal Way, Washington.

**Academic Record:** Case Institute of Technology, B.S., 1968; Carnegie-Mellon University, M.S., 1971; Ph.D., 1973.

**Honors:** ACS Fellow 2015; 3P Award – California Section, 2019; 2018 California Local Section Outreach Volunteer of the Year; Walter B. Petersen Award for Outstanding Long Term Service to California Section, 2017; Making a Difference Award, ACS Careers Office, 2016; Salutes to Excellence Awards (ACS Membership Affairs Committee, 2011; California Local Section, 2008; ACS Committee on Public Relations and Communications, 2006); Outstanding Service Awards, Rochester Section, 1994 and Northeast Tennessee Section, 1980; Graduate Teaching Award, Carnegie-Mellon University, 1969; Sigma Xi; Pi Delta Epsilon.

**Professional Positions** (for past ten years): Custom Organic Synthesis Consultant, 2010 to date; JenKem Technology USA, Vice President, Business Development, 2011 to date; Seres Laboratories, Inc., President and Board of Directors, 2004-08, Vice President, Business Development, 2002-03. Retired, Eastman Chemical Company/Eastman Kodak, 1973-2002.

**Service in ACS National Offices:** Council Policy Committee (Voting), 2018-20; Committee on Divisional Activities, 2015-18; Committee on Membership Affairs, 2010-11, Committee Associate, 2009; Committee on Constitution and Bylaws, 2008-09; Committee on Local Section Activities, 1992-95, Committee Associate, 1991; Committee on Public Relations and Communications, 1998-2006, Committee Associate, 1996-97; Younger Chemists Committee, 1978-83, Chair, 1981-83; Professional Programs Planning & Coordinating Committee, 1981-83; Advisory Group for ACS Communications Strategic Plan, 2006-08; Task Force on Membership Retention, 1992-94, 1981-83; Task Force to Evaluate CHEMTECH magazine, 1981.

**Service in ACS Offices:** *California Section:* Councilor, 2015-20, 2007-11; Alternate Councilor, 2012-14, 2006; Past Chair, 2015; Chair, 2014; Chair-Elect, 2013. *Rochester Section:* Councilor, 1991-95; Alternate Councilor, 1989-90. *Northeast Tennessee Section:* Alternate Councilor, 1980-86; Chair 1979; Chair-Elect, 1978; Secretary 1977; Treasurer 1976; Newsletter Editor, 1974-75. *Professional Relations Division:* Alternate Councilor, 2007-09.

**Member (current):** Member ACS since 1968. Alpha Chi Sigma. *ACS Divisions:* Chemical Education; Industrial & Engineering Chemistry; Medicinal Chemistry; Organic Chemistry; Professional Relations; Business Management.

**Related Activities:** ACS Career Consultant and Workshop Presenter, 2011 to date; California/Silicon Valley Local Sections/AIChE joint Interview Workshop team, 2008 to date; Eastman Chemical Company/Eastman Kodak, Research Chemist to Director, Custom Synthesis to Business Development Executive 1973-2002; ACS Chemistry Ambassador; Organized and ran YCC-ACS chemical career counseling programs on college campuses, 1978-83; East Tennessee State University, Adjunct Professor, 1976-78; Chemical demonstrations for the public since 1974; Contributed to the commercialization of sixteen active pharmaceutical ingredients and medical devices; over 150 chemistry/pharmaceutical related presentations in the US, Europe, and Asia, 1981-2002. Holds eight US Patents.

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**HOWSON, ELIZABETH M. *North Jersey Section.*** Retired, Chatham High School, Morristown, New Jersey.

**Academic Record:** Caldwell University, B.A, 1969, University of Maryland, 1973.

**Honors:** ACS Fellow, 2018; POGIL Grant, 2008; New Jersey Science Teachers Association Fellow, 2007; Chatham Education Foundation Grant, 2006; Edward J. Merrill Award for Excellence in High School Chemical Education, 1999; Tandy Technology Award- Honorable Mention, 1999.

**Professional Positions** (for past ten years): Retired, Chemistry Teacher, Chatham High School, 1996-2009; New Jersey State Science Day, Chair, 2019-20 (formerly Merck State Science Day, 2000-16).

**Service in ACS National Offices:** Committee on Local Section Activities, 2018-21; Committee on Chemical Safety, 2009-17, Chair, 2015-17, Committee Associate, 2007-08; Women Chemists Committee, Committee Associate, 2007-09.

**Service in ACS Offices:** *North Jersey Section:* Councilor, 2014-22; Alternate Councilor; 2002-13; Secretary; 2002-20; Education Committee, 2001-20; Chair, 2007-20; Chemistry Olympiad, 2015-20; *Indicator* Committee, 2002-20; Baekeland Award Committee, 2019, 2017, 2015, 2013; Awards Dinner Co-Chair, 2012-20; Freddie & Ada Brown Award, Chair, 2009-20. *Middle Atlantic Regional Meeting:* North Jersey Section Delegate, 2017-20; Committee 2020; Steering Committee High School Program Chair, 2005.

**Member (current):** Member ACS since 2000. ACS Teacher Affiliates. *ACS Divisions:* American Association of Chemistry Teachers; Chemical Education and Chemical Health and Safety.

**Related Activities:** National Chemistry Week & Chemists Celebrate Earth Week Activity Booklets; Safety Consultant/Reviewer, 2008 to date; Task Force member “Guidelines for Chemical Laboratory Safety in Secondary Schools” and “Guidelines for Chemical Laboratory Safety in Academic Institutions”, 2015-16; “Safety in the Chemical Enterprise” Public Policy Statement writing teams, 2015-16; Task Force for Revising *ACS Guidelines and Recommendations for the Teaching of High School Chemistry*, 2010-12; Writer, Task Force for Dissemination of *ACS Guidelines and Recommendations for the Teaching of High School Chemistry* Chair, 2012; *Safety in the Elementary Science Classroom*, Editor, 2011; *IYC Spellbound Project*, Activities Writer, 2011; 2010 Biennial Conference on Chemical Education (BCCE) pre-college Program Co-chair; ACS Test Writing Committee High School Chemistry Exam.

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**LANDIS, JAMES M., Jr., *Detroit Section.*** Retired, Henkel Corporation, Madison Heights, Michigan.

**Academic Record:** Northern Michigan University, B.A., 1977, M.A., 1980.

**Honors:** Detroit Section, ACS, Salutes to Excellence Award, 2013, Distinguished Service Award, 2001; Sigma Xi, 1980.

**Professional Positions** (for past ten years): Retired, 2014, Henkel Corporation, Research Chemist to Senior Research Scientist, 1980-2014.

**Service in ACS National Offices:** Committee on Economic and Professional Affairs, 2017-20, Subcommittee on Events and Employment Programming Chair, 2020; Committee on Membership Affairs, 2012-16, Chair, 2014-16; Council Policy Committee, (Nonvoting) 2014-16; Committee on Committees, 2009-11, Secretary, 2011; Committee on Meetings and Expositions, 2003-08; Committee on Chemists with Disabilities, 2003-08, 1991-93, Chair, 2006-08.

**Service in ACS Offices:** *Detroit Section:* Councilor, 2002-20; Alternate Councilor, 2001; Secretary, 1998-99; Local Section Editor and Publications Committee Chair, 1999-2015. *Central Regional Meeting (CERMACS):* 2017, 2012, Publications.

**Member (current):** Member ACS since 1979. Microscopy Society of America; International Union of Pure and Applied Chemistry. *ACS Divisions:* Analytical Chemistry and Professional Relations.

**Related Activities:** Serving on Collaborative for Re-imagining a Diverse ACS Membership, 2016.

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**MORALES MARTINEZ, ZAIDA C.** *South Florida Section.* (Retired) Florida International University, Miami, Florida.

**Academic Record:** University of Puerto Rico, Rio Piedras, B.S., 1957; The Pennsylvania State University, M.S., 1962.

**Honors:** Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring, 2018; Stanley C. Israel Southeastern Regional Award for Advancing Diversity in the Chemical Sciences, 2017; Award for Volunteer Service to the American Chemical Society, 2011; Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences, 2004; Women Chemists Committee Southeast Regional Award for Fostering Diversity in the Chemical Sciences, 2002; Florida International University: Excellence in Teaching Award, 1985, Outstanding Service, 1991, Excellence in Advising Award, 1994, FIU President Affirmative Action Award, 1993 and Distinguished Service Medallion Award for Extraordinary Service, 2002.

**Professional Positions** (for past ten years): Retired, Florida International University, Chemistry Emeritus Professor, 2003 to date; ACS Scholars Program Mentoring Consultant, 1999 to date.

**Service in ACS National Offices:** Council Policy Committee, (Voting) 2018-20; Committee on Committees, 2012-17; Membership Affairs Committee, 2004-11; International Affairs Committee, 2004-05; Younger Chemists Committee, Consultant, 2004-05; Committee on Minority Affairs, 1993-2000; Committee on Education, 1992-2000, Committee Associate, 1990-91; Committee on Project SEED, 1989-94; Task Force of Undergraduate Programming at National Meetings, 1999-04; Organizing Committee of the Pan-American Conference in Puerto Rico, 2000; ACS Program Review Advisory Group (PRAG), 2005-09; Selection Committees for the ACS National Awards, 2004-2007; Faculty Advisors Review Panel for SAACS Awards, 1999-05; Program Chair, Undergraduate Programming at the 223<sup>rd</sup> National Meeting, Orlando, Florida 2002; President Al Heiningers "Task Force on Minorities in the Chemical Sciences", 1991-93.

**Service in ACS Offices:** *South Florida Section:* Councilor, 2004-20, 1992-99, Education Chair, 1992 to date. *Florida Section:* Councilor, 1987-92.

**Member (current):** ACS member since 1963. AISES; AAUW; SACNAS; NOBCCHE; Iota Sigma Pi; Phi Eta Mu; Golden Key National Honor Society. *ACS Divisions:* Chemical Education and Professional Relations.

**Related Activities:** Advisor, Co-advisor and Consultant/Mentor for Florida International University Student Affiliate Chapters, 1986 to date; Review Panel for Graduate Education for Minorities (GEM) Fellowships; Member Selection Committee ACS Scholars Program, 1994 to date. Various Review Panels for NSF and DOE proposals 2005-12.

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**SCHOOLER, MARGARET J.** *Delaware Section.* Avantor, Inc. (formerly VWRCATALYST), Radnor, Pennsylvania.

**Academic Record:** Miami University, B.S., 1993; The Ohio State University, M.S., 1996.

**Honors:** Golden Key National Honor Society.

**Professional Positions** (for past ten years): Avantor, Inc., Lab Science Manager, 2018 to date; Axalta Coating Systems, Senior Chemist, 2012-18; DuPont Performance Coatings, Associate Investigator, 2010-12; AstraZeneca Pharmaceuticals, Scientist, 1996-2010.

**Service in ACS National Offices:** Council Policy Committee, 2020; Committee on Economic and Professional Affairs, Committee Associate, 2019; Council Policy Committee, ex officio (Nonvoting), 2017-18; Committee on Membership Affairs, 2013-18, Chair, 2017-18, Committee Associate, 2012.

**Service in ACS Offices:** Member ACS since 1994. *Delaware Section:* Councilor, 2011-19.

**Member (current):** *ACS Divisions:* Organic Chemistry; and Medicinal Chemistry.

**Related Activities:** National Chemistry Week, Outreach coordinator 2011-18; Chemists Celebrate Earth Week, Outreach coordinator, 2018; A3 Business Process training, 2019; Situational Leadership II training, 2018; Lean Six Sigma Green Belt certification, 2010; Excellence in Chemistry Awards Committee (AstraZeneca), 2008-10.

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**VAN EMON, JEANETTE M.** *Division of Agrochemicals (California Section).* Retired, U.S. Environmental Protection Agency, Las Vegas, Nevada.

**Academic Record:** California State University, Hayward, B.S., 1980; University of California, Davis, Ph.D., 1985; University of California, Lawrence Livermore National Lab, Post-Doctoral Researcher, 1985-87.

**Honors:** ACS Fellow, 2012; Agrochemicals Fellow, 2014; ACS/AGRO/BASF Chemical Company Award for Innovation in Chemistry of Agriculture, 2013; ACS Southern Nevada Local Section, David W. Emerson Award for Outstanding Service, 2012; U.S. Environmental Protection Agency, Office of Research & Development (ORD), Diversity Award, 2013; ACS Award of Appreciation for General Co-Chair, 2008, Western Regional Meeting; Appreciation for Dedication and Service Award, Agrochemicals Division ACS, 2002; Award of Distinction for Outstanding Alumni, University of California Davis, College of Agriculture and Environmental Sciences, 2001; Citation for Excellence, UC Davis Alumni Association, 2001; U.S. EPA, ORD Strategic Planning Award, 2001; Southern Nevada Federation Executive Association, Outstanding Accomplishment in Science & Technology Achievement Award, 2000; U.S. EPA, ORD, Statesmanship Award, 1999; Women in Science and Engineering Award for Environmental Pioneers, 1998; U.S. EPA/ACS Joint Science Achievement Award in Chemistry, 1996, 1992.

**Professional Positions** (past 10 years): Retired, U.S. Environmental Protection Agency, Research Chemist, 1987-2019; Consultant, Agricultural and Environmental Research, Analytical Methods, Policy and Public Outreach, 2019 to date.

**Service in ACS National Offices:** Committee on Meetings and Expositions, 2018-21, Committee Associate, 2017; Committee on Divisional Activities, 2010-16, Committee Associate, 2009; Editorial Advisory Board, *Journal of Agricultural and Food Chemistry*, 2006-16; Editorial Advisory Board, *Analytical Chemistry*, 1997-2000; ACS Committees and Presidential Special Task Force (ad hoc basis).

**Service in ACS Offices:** *Agrochemicals Division:* Councilor, 2009-20, Chair, 2003, Chair-Elect, 2002, Program Chair, 2001. *Southern Nevada Section:* Chair, 1998, 1989, Chair-Elect, 1997, 1988. *ACS Western Region:* Board Chair, 2012-14. *43rd Western Regional Meeting:* Co-Chair, 2007-08; Women Chemists Committee, Chair, Southern Nevada Local Section, 2010-14. *Agrochemicals Division:* Executive Committee 2000–20; Organizing Committee for the 13th International Union of Pure & Applied Pesticide Chemistry Congress, 2011-14.

**Member (current):** Member ACS since 1983. *ACS Divisions:* Agricultural and Food Chemistry; Agrochemicals; and Analytical Chemistry.

**Related Activities:** Women in Science & Engineering (past member); US EPA appointee, North American Commission for Environmental Cooperation, Dioxin/Furan/HCB Task Force, 2010–14; U.S. Centers for Disease Control Appointee, National Nanotechnology Coordination Office, Environmental Health and Safety Research Strategy Writing Team, 2010-14; Member, Interagency Committee on Analytical Methods for Homeland Security, 2012-15; Advisor, United Nations International Atomic Energy Agency, Vienna, Austria, 1999-2003; US EPA ORD Appointee, National Science Foundation, Chemical Sciences Roundtable Member, 1999–2002. Symposia Chairmanships at ACS National Meetings and Pittsburgh Conferences (30+). EPA ORD Policy Committees for Guiding Research Policy and Supporting a High Performing Organization. *Publications:* 67 journal articles, 22 book chapters, 4 edited books, 12 proceedings, 30 EPA reports, 2 patents.

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ELECTION TO  
COMMITTEE ON COMMITTEES

Action Requested. The Committee on Nominations and Elections has selected the following slate of candidates for membership on the Committee on Committees:

- |                          |                           |
|--------------------------|---------------------------|
| 1. Catherine E. Costello | 6. Michael D. Mosher      |
| 2. Debbie M. Decker      | 7. Sarah M. Mullins       |
| 3. Harry J. Elston       | 8. Susan J. Olesik        |
| 4. Martha G. Hollomon    | 9. Andrea B. Twiss-Brooks |
| 5. Diane Krone           | 10. Javier Vela           |

The Council must elect five individuals. The five candidates receiving the highest numbers of votes will be declared elected for the 2021-2023 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are summarized at the end of the item.

Supplementary Information:

**Description of Duties and Desired Characteristics for Members of the  
Committee on Committees (ConC)**

The Committee on Committees (ConC) has key responsibilities to assist and advise on appointments of chairs and members of Council-related bodies, along with evaluating and making recommendations concerning responsibilities and size of committees.

To succeed in these activities, ConC elected members should have a combination of qualities, including extensive familiarity with ACS committees and a broad network within the Society and the chemical profession. Members of ConC must be a Councilor.

Candidates are expected to have available time and energy during and between National meetings to serve as a Liaison to two committees (for observation, talent recruitment, succession planning, leadership development and coaching) along with ConC closed sessions.

The candidate's personal qualities should include strong written and oral communication skills, respect for confidentiality, and diplomacy.

At the *spring national meeting (in-person)*, ConC meets on Monday and Tuesday from 1:30 p.m. until 5:00 p.m. During the *fall national meeting*, ConC has three sessions: Monday, from 1:30 noon until 6:00 p.m.; Tuesday, from 1:30 p.m. until 5:00 p.m.; and on Wednesday, (immediately following Council) 1:00 p.m. until 6:30 p.m. A reception and dinner takes place at a restaurant from 7:00 p.m. until 9:30 p.m.

Members of ConC must be voting Councilors.

Those members of the Committee of Committees whose terms end on December 31, 2020 are:

Mitchell R.M. Bruce, Maine Section  
Jetty L. Duffy-Matzner, Sioux Valley Section  
Martha G. Holloman, Delaware Section  
Diane Krone, North Jersey Section  
Robert A. Pribush, Indiana Section

Mitchell R.M. Bruce, Jetty L. Duffy-Matzner, and Robert A. Pribush are ineligible for reelection.

The present members of the Committee on Committees who will continue on that body are:

2019-2021

Rodney M. Bennett, Agrochemicals (North Carolina Section)  
Jacqueline A. Erickson, North Jersey Section  
Donivan R. Porterfield, Central New Mexico Section  
Carolyn Ribes, Brazosport Section  
Susan M Schelble, Colorado Section

2020-2022

Lisa M. Balbes, St. Louis  
D. Richard Cobb, Rochester Section  
Emilio X. Esposito, Computers in Chemistry (Michigan State University Section)  
Jason E. Ritchie, Ole Miss  
Stephanie J. Watson, Maryland Section

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**COSTELLO, CATHERINE E. *Northeastern Section.*** Boston University, Boston, Massachusetts.

**Academic Record:** Emmanuel College, A.B., 1964; Georgetown University, M.S., 1967, Ph.D., 1970; Massachusetts Institute of Technology, postdoc, 1970-1973.

**Honors:** ACS Fellow, 2011; Northeastern Section ACS Henry A. Hill Award, 2000; Two annual awards are named in my honor: FeMS Award for Females in Mass Spectrometry, 2020; US-HUPO Lifetime Achievement in Proteomics, 2019; American Society for Mass Spectrometry, Distinguished Contribution Award, 2017; American Association for the Advancement of Science Fellow, 2016; Human Proteome Organization, Distinguished Service Award, 2015; Waters Corporation, Frank H. Field & Joe L. Franklin Award, Outstanding Achievement in Mass Spectrometry, 2010; International Mass Spectrometry Foundation, Thomson Award, 2009; Human Proteome Organization, Discoveries in Proteomics Award, 2008.

**Professional Positions** (for past ten years): Boston University, School of Medicine, William Fairfield Warren Distinguished University Professor, 2013 to date; Professor, Biophysics, 1994 to date; Professor Biochemistry, 1998 to date. Boston University Professor, Chemistry, 2008 to date; Founding Director, Center for Biomedical Mass Spectrometry, 1994 to date.

**Service in ACS National Offices:** Senior Chemists Committee, 2013-18; Committee on Ethics, 2005-12; Committee on International Activities, 1997-2005, Chair, 2004-05, Committee Associate, 1995-96, 1992-93; Committee on Constitution and Bylaws, 1994-99; ACS Award Committees.

**Service in ACS Offices:** *Northeastern Section:* Councilor, 1989-21; Chair, 2014, Chair-Elect, 2013, Alternate Councilor, 1986-88; NESACS Bylaws Committee, Chair, 1997-2017; served multiple terms on Publications, Budget and Nominating Committees.

**Member:** Member ACS since 1965. American Association for the Advancement of Science; American Society for Mass Spectrometry, President, 2002-04, Vice-President for Programs, 2000-02, Vice-President for Arrangements, 1985-87; American Society for Biochemistry and Molecular Biology; Society for Glycobiology; HUPO, President, 2011-12; International Mass Spectrometry Foundation, President, 2014-18, Vice-President, 2009-14, Secretary, 2006-09; US-HUPO, Board 2007 to date.

**Related Activities:** Board Member, Malta Conferences Foundation for Research and Education in the Middle East, 2005 to date. Editorial boards of four journals; member of academic and institutional advisory committees in US, Canada and Europe. Author/co-author of about 400 papers in scientific journals.

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**DECKER, DEBBIE M. *Division of Chemical Health & Safety (Sacramento Section).*** University of California, Davis, Woodland, California.

**Academic Record:** University of California, Davis, B.S., Chemistry, 1983.

**Honors:** ACS Fellow, 2014; Safety Stratus Collegiate Safety Award, Chemical Health and Safety Division, ACS, 2014; Tillmanns-Skolnick Award, Chemical Health and Safety Division, ACS, 2010; Chemical Health and Safety Division Fellow, 2012.

**Professional Positions (for past ten years):** University of California Davis, Chemistry Department Safety Manager, 2013 to date, Environmental Health and Safety, Campus Chemical Hygiene Officer, 1998-2012.

**Service in ACS National Offices:** Committee on Chemical Safety, Comm. Associate, 2018-20.

**Service in ACS Offices:** *Chemical Health & Safety Division:* Councilor, 2017-22; Immediate Past Chair, 2016, Chair, 2015, Chair-Elect, 2014, Program Chair, 2004 to date.

**Member:** Member ACS since 1986. *ACS Division:* Chemical Health and Safety.

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**ELSTON, HARRY J. *Decatur-Springfield Section.*** Midwest Chemical Safety, LLC, Dawson, Illinois.

**Academic:** Hillsdale College, B.S. (Chemistry/Physics), 1984; Indiana University, M.S. (Physical Chemistry), 1992; Columbia Pacific University, Ph.D., 1996.

**Honors:** Tillmanns-Skolnik Award, ACS Division of Chemical Health and Safety, 2019; ACS Fellow, 2015; Howard Fawcett Chemical Health and Safety Award, ACS Division of Chemical Health and Safety, 2003; Chemical Health and Safety, Fellow 2003.

**Professional Positions (for past 10 years):** Midwest Chemical Safety, LLC, Principal and Senior Scientist, 1996 to date; Illinois Emergency Management Agency, Radiochemistry Laboratory Supervisor and Senior Scientist, 1992-2013.

**Service in ACS National Offices:** Committee on Environmental Improvement, Committee Associate, 2019; Committee on Chemical Safety, 2009-18, Consultant, 2005-09.

**Service in ACS Offices:** *Decatur-Springfield Section:* Councilor, 2015-20; Alternate Councilor, 2009-11; Chair-Elect, 2019, 2014; Chair, 2020, 2017-18, 2015. *Chemical Health & Safety Division:* Immediate Past Chair, 2018; Chair, 2017, Chair-Elect, 2019, 2016. Editor-in-Chief, *Journal of Chemical Health and Safety*, 1999-2019.

**Member (current):** Member ACS since 1991. American Industrial Hygiene Association; Project Management Institute. *ACS Divisions:* Division of Chemical Health and Safety, Small Chemical Business.

**Related activities:** Project Management Professional, 2019 to date; Publications Committee, American Industrial Hygiene Association, 2003 to date; Certified Industrial Hygienist, 2002 to date;

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**HOLLOMON, MARTHA G. *Delaware Section.*** Retired, Newark, Delaware.

**Academic Record:** Virginia Tech, B.S., Chemistry 1983; North Carolina State University, M.S., Textile Chemistry 1993, Ph.D., Organic Chemistry 1998.

**Honors:** Tillmans-Skolnik Award, Delaware Section ACS, 2000; Phi Lambda Upsilon; Professional Development Award, Research Triangle Institute, RTP, NC, 1990.

**Professional Positions** (for past ten years): Widener University, Adjunct Assistant Professor, 2009 to date; Delaware Technical and Community College, Adjunct Instructor, 2012 to date; Hercules Incorporated, Senior Staff Scientist, 2001-09, Senior Research Chemist, 1998-01.

**Service in ACS National Offices:** Committee on Committees, 2018-20; Committee on Meetings and Expositions, 2013-18, Committee Associate, 2011-12; Committee on Local Section Activities, 2005-10, Committee Associate, 2004; Committee on Public Relations and Communications, LSAC Liaison, 2006-10; ACS Board-Presidential Task Force on Society Services and Associated Dues Pricing Models 2010.

**Service in ACS Offices:** *Delaware Section:* Councilor, 2004-21, Immediate Past Chair 2003, Chair, 2002, Chair-Elect, 2001. *Middle Atlantic Regional Board:* Chair, 2012-17, Secretary, 2007-11; 41<sup>st</sup> Middle Atlantic Regional Meeting, General Chair, 2010.

**Member:** Member ACS since 1984. Delaware Academy of Chemical Sciences, 2006 to date, Secretary 2009 to date; Alpha Chi Sigma, Gamma Omicron. *ACS Divisions:* Organic Chemistry; and Polymer Chemistry.

**Related Activities:** Sustainability Engagement Event (SEE) Participant 2010; North Carolina University, Graduate, Research Assistant, 1993-98, Graduate Teaching Assistant, 1994-97.

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**KRONE, DIANE *North Jersey Section.*** Retired, Northern Highlands Regional High School, Allendale, New Jersey.

**Academic Record:** Ladycliff College, B.A. 1972; Stevens Institute of Technology, M.S., 1989.

**Honors:** ACS Fellow, 2010; Edward J. Merrill Award for Excellence in Chemistry Teaching, North Jersey Section, ACS, 2002; Radio Shack National Teacher Award, 2004; Homer J. Hall Educator Award, New Jersey Institute of Chemists, 2000; Gustav Ohaus Award for Innovations in Science Teaching, 1999.

**Professional Positions** (for past ten years): Retired, 2010, Northern Highlands Regional High School, Chemistry Teacher 1993-2010; Science Instructor (part time) for Fuel Education, 2017 to date, Herndon, VA.

**Service in ACS National Offices:** Committee on Committees, 2018-20; Committee on Education; 2011-17, Chair 2015-17, Membership Affairs Committee, Associate Member, 2009-10.

**Service in ACS Offices:** *North Jersey Section:* Councilor, 2004-21, Chair, 2005, Chair-Elect, 2004; Education Committee, 2005 to date; Project SEED poster judge, 2005 to date; Nominating Committee, Chair 2007; Membership Chair, 2009 to date; Awards Dinner Co-chair 2012 to date; Baekeland Award Committee, 2019, 2017, 2015, 2013; Creativity in Molecular Design and Synthesis Award Committee, 2014. *Middle Atlantic Regional Meeting:* Steering Committee, 2005.

**Member (current):** Member ACS since 1992. American Association of Chemistry Teachers (AACT); North Jersey ACS Teacher Affiliates. *ACS Division:* Chemical Education.

**Related Activities:** AACT Governing Board, 2015-17; AACT Regional Representative 2019 to date; Editorial Board Member for *POGIL, Activities for High School Chemistry Teaching*; Writer for *ChemMatters*, Teacher Guide, 2016-17; Pre-college Program Coordinator for 2010 Biennial Conference on Chemical Education (BCCE); ACS Test Writing Committee for Advanced High School Chemistry Exam; Guidelines and Recommendations for Teaching High School And Middle School Chemistry.

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**MOSHER, MICHAEL D. Colorado Section.** University of Northern Colorado, Greeley, Colorado.

**Academic Record:** University of Idaho, B.S. 1988; Dartmouth College, M.S. 1990; Texas Tech University, Ph.D., 1993; Institute of Brewing and Distilling (UK), Dipl Brew., 2014.

**Honors:** ACS Colorado Local Section Award, 2018; E. Ann Nalley Midwest Region Award for Volunteer Service, ACS, 2010; Outstanding Faculty, Center for Human Enrichment, University of Northern Colorado, 2019; Pratt-Heins Foundation Award for Outstanding Service in Teaching, University Nebraska Kearney, 2003; Pratt-Heins Foundation Award for Outstanding Service in Scholarship and Research, University Nebraska, Kearney, 2001.

**Professional Positions** (for past ten years): University of Northern Colorado, Professor, 2011 to date; Chair 2011-17; University of Nebraska at Kearney, Professor, 2004-11; Chair, 2006-11; Associate Professor, 1998-2004; Assistant Professor, 1995-98; US Air Force Academy, Colorado Springs, Distinguished Visiting Professor, 2008-09.

**Service in ACS National Offices:** Committee on Nomenclature, Terminology and Symbols, 2013-18, Chair 2016-18; Committee on Meetings and Expositions, Committee Associate, 2011.

**Service in ACS Offices:** *Colorado Section:* Councilor, 2019-21, 2013-15; Alternate Councilor, 2016-18, 2012. *Nebraska Section:* Councilor, 2010-11, 2004-06; Alternate Councilor, 2007-10; Chair, 2000-01; Chair-Elect, 1999-2000, Secretary, 1998. *2017 Rocky Mountain Regional Meeting:* General Chair, 2017. *2011 Midwest Regional Meeting:* Secretary, 2011; *43rd Midwest Regional Meeting,* General Chair, 2007-08. *36th Midwest Regional Meeting,* General Chair, 2000-01.

**Member:** Member ACS since 1988. Institute of Brewing and Distilling; American Society of Brewing Chemists.

**Related Activities:** Brewing Sciences Coordinator, University of Northern Colorado, 2014 to date; Assistant Dean, University of Nebraska Kearney, 2001-02. Published 52 journal articles, two chapters, three textbooks and three ancillary texts; holds three patents in chemistry and brewing science.

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**MULLINS, SARAH M.** *Minnesota Section.* 3M Company, St. Paul, Minnesota.

**Honors:** ACS Fellow, 2017; Outreach Volunteer of Year, Minnesota Section, 2018; ACS ChemLuminary Award Best Local Government Affairs, 2007; 3M Golden Step Award, 2015; 3M Discover Award, 2007; 3M National Volunteer of Year, 2003; United States Environmental Protection Agency, National Award for Achievement in Environmental Justice, 2010.

**Academic Record:** Northwestern University, B.A., 1996; University of California, Berkeley, Ph.D., 2001.

**Professional Positions** (for past 10 years): 3M Company: Abrasive System Division, Advanced Research Specialist, 2015-present; Research Specialist, 2008-14

**Service in ACS National Offices:** Committee on Minority Affairs, 2017-19, Committee Associate, 2019; Committee on Chemists and Public Affairs, 2006-16; Committee on Public Relations and Communications (liaison), 2012-2016. 50 Forward Volunteer Committee, 2018.

**Service in ACS Offices:** *Minnesota Section:* Councilor, 2006-20; Coordinator, Project SEED, 2011-20; Chair, Government Affairs Committee, 2004-10; 50 Forward Volunteer Committee, 2018.

**Member (current):** Member ACS since 1993. National Organization for Professional Advancement of Black Chemists and Chemical Engineers. *ACS Division:* Inorganic Chemistry.

**Related Activities:** ACS video, "What Chemists Do"; Board Member, Minnesota Academy of Sciences, 2009-10. Governing Board Member, 3M Technical Forum, 2009-10. Chair, 3M Technical Teams Encouraging Career Horizons, 2005-08. Board member, 3M STEM Encouragement Coordinating Council, 2007-08.

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**OLESIK, SUSAN J.** *Division of Analytical Chemistry (Columbus Section).* The Ohio State University, Columbus, Ohio.

**Academic Record:** Vincennes University, A.S., 1975; DePauw University, B.A., 1977; University of Wisconsin-Madison, Ph.D., 1982.

**Honors:** Helen Free Award for Public Outreach, ACS, 2014; Award in Chromatography, ACS, 2014; ACS Fellow 2009; Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences, ACS, 2008; Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences, ACS, 2008; Award for Outstanding Achievement & Promotion of Chemical Sciences, Columbus Section of ACS, 2004; 100 Most Influential Analytical Chemists, Analytical Scientist, 2019, 2015; Top 10 Analytical Mentor, Analytical Scientist, 2017; Top 50 Women in Analytical Science, Analytical Scientist, 2017; President's and Provost's Council on Women—Glass Breaker's Award, Ohio State University, 2016; Fellow, American Association for the Advancement of Science Fellow, 2012; Building Bridges Excellence Award, Ohio State University, College of Engineering, 2010; Carnegie Foundation Award for Wonders of Our World Outreach Program, 2009; Community Leadership Award, DePauw University, 2007; Alumni Association Heinlen Award, Ohio State University, 2006; Technical Person of the Year, Columbus Technical Council, 2005; Woman in Science Award, American Women in Science Columbus Section, AWISCO, 2000; Friend of Educators Award, Dublin Education Foundation, 2000; Commendation from NASA for Contributing GC Column to Cassini-Huygen's Probe, 1998; Eli Lilly Research Award, 1990; Research Award, The American Society for Mass Spectrometry, 1987; Science and Math Division Outstanding Alumni Award, Vincennes University, 1987.

**Professional Positions** (for past ten years): The Ohio State University, College of Arts and Sciences, Dean of Natural and Mathematical Sciences 2020 to date; Department Chemistry and Biochemistry, Chair, 2011-19; Distinguished University Professor 2020 to date.

**Service in ACS National Offices:** Committee on Divisional Activities, 2020, Committee Associate, 2019. Editorial Advisory Board, *Analytical Chemistry*, 2014-15, 2002-04.

**Service in ACS Offices:** *Analytical Chemistry Division:* Councilor, 2018-20, Immediate Past Chair, 2015-16, Chair, 2014-15, Chair-Elect, 2012-13, Program Chair, 2013-14. *Chromatography and Separations Chemistry Subdivision:* Immediate Past- Chair, 2009-12, Chair, 2007-09; Chair-Elect 2005-07.

**Member:** Member ACS since 1976. *ACS Division:* Analytical Chemistry. American Association for the Advancement of Science, American Society for Mass Spectrometry.

**Related Activities:** ACS Expert, 2013 to date; Board of Trustees, Vincennes University, Vincennes, IN, 2013-19; Governing Board Council of Chemical Research 2012-15; ACS Report entitled “Advancing Graduate Education *in the* Chemical Sciences” led by ACS President, Bassam Z. Shakhshiri, Olesik was a participant; National Academy of Sciences, Committee Member for Consensus Report on “Research Agenda for a New Era in Separation Science”.

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**TWISS-BROOKS, ANDREA B. *Chicago Section.*** University of Chicago, Chicago, Illinois.

**Academic Record:** Texas Christian University, B.S., 1982; Cornell University, M.S., 1985; University of North Texas, M.S., Library Science, 1990.

**Honors:** ACS Division of Chemical Information Meritorious Service Award, 2007.

**Professional Positions** (for past ten years): University of Chicago, Research and Learning, Co-Associate University Librarian (interim), 2018-20; Research and Teaching Support, Director, 2016 to date; Science Libraries Division, Co-Director, 2006-16; John Crerar Library, Chemistry Librarian, 1993-06.

**Service in ACS National Offices:** Committee on Divisional Activities, Committee Associate, 2020; Council Policy Committee, 2015-19; Committee on Nominations and Elections, 2009-14, Vice-Chair, 2014; Committee on Chemical Abstract Service 2003-08, Chair, 2004-06, Committee Associate, 2002; Committee on Community Activities, 2007-09, Committee Associate, 2006; Taskforce on Third Party Web Collaborations, ACS Governing Board for Publishing, 2005-06.

**Service in ACS Offices:** *Chemical Information Division:* Councilor, 2006-20; Chair, 2001; Program Committee, 2016, 2006-08; Awards Committee, 2007-15, Chair, 2012-15, Assistant Chair, 2011; Bylaws and Procedures Manual Committee, 2003-06, Chair, 2003-06. *Committee on Community Activities:* Evaluation and Technology Subcommittee, Co-Chair, 2007-08. *Chicago Local Section:* Director, 2015-16, 2020 to date, Program Chair, 2018-20.

**Member (current):** Member ACS since 1996. *ACS Division:* Chemical Information.

**Related Activities:** Library Advisory Board, American Association for the Advancement of Science (AAAS), 2017 to date; Library Advisory Board, New England Journal of Medicine, 2015-19; Academic Round Table, American Chemical Society Publications, 2014-20; Royal Society of Chemistry Publishing Library Advisory Board, 2010-16; American Library Association's *Resources for College Libraries*, Geology section co-editor, 2004-13; Geoscience Information Society, Secretary, 2007-08; National Federation of Abstracting and Information Services (NFAIS), Conference Planning Committee, 2006-07; GDCh (German Chemical Society) Computers in Chemistry group/ACS Division of Chemical Information collaboration steering committee, 2005-14; Editorial Committee XCITR instructional materials repository, 2010-14; Chemical Information Instructor feature editor, *Journal of Chemical Education*, 2002-10; Academic Library Advisory Committee, Chemical Abstracts Service, 2002-10; Symposium organizer at ACS National Meetings, 1999 to date; Library Advisory Group, ACS Publications Division, 1998-10; Cornell University, Editorial Associate, *Accounts of Chemical Research*, 1986-88; Cornell University, Wiley/NBS Spectral Database, Database Project Manager, 1985-86.

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**VELA, JAVIER** *Ames Section.* Iowa State University, Ames, Iowa.

**Academic Record:** National Autonomous University of Mexico, Lic., B.S. in Chemistry (with Honors), 2001; University of Rochester, M.Sc., 2013; Ph.D., 2015.

**Honors:** Midwest Stanley C. Israel Award for Advancing Diversity in the Chemical Sciences, ACS, 2014; ACS Inorganic Division, Young Investigator Award, 2006; ACS Inorganic Division, Student Travel Award, Anaheim, CA, 2004; CONACYT-Mexico National System of Researchers II, 2019; AAAS Fellow, 2018; Cassling Innovator Award, 2018; IUPAC Young Observer, 2017; LAS Institutional Service Award, 2017; Big XII Faculty Fellow, 2017; Martin Luther King, Jr. Advancing One Community Faculty Award, 2017; LAS Early Achievement in Research Faculty Award, 2014; LAS Diversity Award, 2013; NSF CAREER Award, 2013; Top 40 Under 40 by Hispanic Engineering, 2011; Los Alamos National Laboratory, Director's Postdoctoral Fellow 2007; University of Rochester, Messersmith Graduate Fellow, 2004; University of Rochester, Elon Huntington Hooker Graduate Fellow, 2001; University of Rochester, Sherman-Clarke Graduate Fellow, University of Rochester, 2001.

**Professional Positions** (for past ten years): Iowa State University, Professor and John D. Corbett Professor of Chemistry, 2020 to date; Professor of Chemistry, 2019–20; College of Liberal Arts and Sciences, Equity Advisor, 2015 to date; Associate Professor of Chemistry, 2015–19; Assistant Professor of Chemistry, 2009–15; Ames Laboratory, Ames, IA, Faculty Scientist, 2011–19.

**Service in ACS National Offices:** Committee on Minority Affairs, Committee Associate, 2018-20; Committee on International Activities, Committee Associate, 2014-16; Editorial Advisory Board, *ACS Energy Letters*, 2019 to date.

**Service in ACS Offices:** *Ames Section:* Councilor, 2016-21. *Midwest Regional Meeting:* Program Chair, 2018; Lead Organizer, Halide Perovskite Symposium, Spring ACS National Meeting, New Orleans, 2018; ISU Chapter Coordinator, ACS Project SEED, 2010 to date.

**Member:** Member ACS since 2000. Society for the Advancement of Chicanos and Native Americans in Science; American Association for the Advancement of Science; Materials Research Society; American Ceramic Society. *ACS Division:* Inorganic Chemistry; and Colloid and Surface Chemistry.

**Related Activities:** Editorial Board, *ChemNanoMat*, 2019 to date; Invited Speaker, Gordon Research Conferences, 2012, 2013, 2016; Invited Speaker, American Ceramic Society, 2018, and 2019; International Materials Research Congress, 2015, 2016, and 2017; Mentor, ISU Honors Research Program, 2010–16; Mentor, Department of Energy, Visiting Faculty Program, 2010–18; Mentor, Department of Energy, Science Undergraduate Laboratory Internship, 2011–18, published 80 peer reviewed research articles; Holds 2 patents in nanomaterials.

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ELECTION TO  
COMMITTEE ON NOMINATIONS AND ELECTIONS

Action Requested: The Council Policy Committee has selected the following slate of candidates for membership on the Committee on Nominations and Elections:

- |                           |                         |
|---------------------------|-------------------------|
| 1. Thomas R. Beattie      | 6. Michael J. Kenney    |
| 2. Mark A. Benvenuto      | 7. R. Daniel Libby      |
| 3. Jetty L. Duffy-Matzner | 8. Robert A. Pribush    |
| 4. Kevin J. Edgar         | 9. Julianne M. D. Smist |
| 5. Neil D. Jespersen      | 10. Linette M. Watkins  |

The Council must elect five individuals: The five candidates receiving the highest numbers of votes will be declared elected for the 2021-2023 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are presented in summary form at the end of this item.

Supplementary Information:

**Description of Duties and Desired Characteristics for Members of the  
Committee on Nominations and Elections (N&E)**

The Committee on Nominations and Elections (N&E) receives suggestions and petitions for President-Elect, District Director, and Director-at-Large. The committee then ranks and prepares a list of nominees and/or candidates for these offices. N&E supervises Society elections, conducts elections in Council; and serves as an election appeals board for local section and division elections. N&E members also:

- run the Town Hall Meetings for President-Elect nominees and Director-at-Large candidates
- participate in the testing of Council voting “clickers”
- take on an active role during the Council Meeting. In that sense, members are also expected to be present at 6:30 a.m. on Wednesday morning of a National Meeting to help prepare for the Council meeting, and
- represent N&E at the various Councilor Caucuses during a National Meeting.

To succeed in these activities, members need to have extensive experience in ACS governance, a strong ACS network and be available to attend all national meetings. The candidate’s personal qualities must include integrity and strong ethical character, respect for confidentiality, and the ability to work well in a team environment.

During every in-person ACS National Meeting, the Nominations & Elections Committee:

- meets Sunday afternoons (approximately 12 p.m. – 4 p.m.)
- continues to meet on Mondays (approximately 8 a.m. – 4 p.m.)
- runs the Town Hall Meetings that run from 4:15 p.m. to 5:15 p.m. on Sunday evenings
- has representatives attend their appropriate Councilor Caucuses on Sunday from 6 p.m. – 7 p.m. and/or on Tuesdays from 5:30 p.m. to 7:00 p.m.
- tests Council voting “clickers” from approximately 2 p.m. – 3 p.m. on Tuesday, and
- begins their Council activities at 6:30 a.m. on Wednesday.

Members of N&E must be voting Councilors.

Those members of the Committee on Nominations and Elections whose terms end on December 31, 2020, are as follows:

Michael Appell, Agricultural & Food Chemistry (Illinois Heartland Section)  
Neil D. Jespersen, New York Section  
Mamie W. Moy, Greater Houston Section  
Eleanor D. Siebert, Southern California Section  
Julianne M.D. Smist, Connecticut Valley Section

Michael Appell, Mamie W. Moy, and Eleanor D. Siebert are ineligible for reelection.

The present members of the Committee on Nominations and Elections who continue on that body are:

2019-2021

Allison Aldridge, Chemical Society of Washington Section  
Christopher J. Bannochie, Savannah River Section  
Mary K. Engelman, Industrial & Engineering Chemistry (Northeast Tennessee Section)  
Silvia Ronco, Inorganic Chemistry (Southern Arizona Section)  
Frankie K. Wood-Black, Chemical Health and Safety (Northern Oklahoma Section)

2020-2022

Michelle V. Buchanan, Analytical Chemistry (East Tennessee Section)  
Alan A. Hazari, East Tennessee Section  
Amber S. Hinkle, Greater Houston Section  
Thomas H. Lane, Ex Officio (Midland Section)

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**BEATTIE, THOMAS R. *San Diego Section.*** Independent Consultant, San Diego, California.

**Academic Record:** University of Pennsylvania, B.S., 1961; University of Wisconsin, Ph.D. 1965; Massachusetts Institute of Technology Postdoctoral Fellow, 1965-66.

**Honors:** ACS Fellow, 2011; Shirley B. Radding Award, Silicon Valley Section ACS, 2020; San Diego Section ACS, Outstanding Committee Chair Award, 2018; San Diego Section ACS, Outreach Volunteer of the Year 2015; San Diego Section ACS, Outstanding Service Awards, 2013, 2004 and 1996; E. Ann Nalley ACS Western Region Service Award, 2011; Merck Management Award, 1992; University of Wisconsin, American Oil Foundation Fellowship, 1964-1965; University of Pennsylvania, Du Pont Teaching Award, 1963; Alpha Chi Sigma Award, University of Pennsylvania; 1961.

**Professional Positions** (for past ten years): Independent Consultant, 2003 to date.

**Service in ACS National Offices:** Committee on Economics and Professional Affairs, Committee Associate, 2020; Senior Chemists Committee, 2013-18, Consultant, 2019, Chair, 2016-18; Committee on Local Section Activities, 2004-12, Committee Associate, 2005-06.

**Service in ACS Offices:** *San Diego Section:* Councilor, 2007-21, Alternate Councilor, 2002-03, Chair, 2007, 1999, Chair-Elect, 1998, Subcommittee Chair, 2008-13. National Silver Circle Working Group, Chair 2005-9; National Senior Chemists Task Force 2009-12.

**Member (current):** Member ACS since 1962. *ACS Divisions:* Medicinal Chemistry and Organic Chemistry.



**Related Activities:** Gordon Research Conference, Combinatorial Chemistry, Tuscany, Italy, Chair 2000; Senior Scientific Consultant, ChemRx Advanced Technologies 1999-2003, both Divisions of Discovery Partners International; Independent Consultant 2003-present; IRORI Scientific Consultant, 1999; Amylin Pharmaceuticals, Inc., Associate Director of Chemistry, Director of Chemistry, Scientific Advisor-Research Chemistry, 1994-98; Merck Research Laboratories, Senior Research Chemist, Research Fellow, Senior Research Fellow, Medicinal Chemistry Research, 1966-93.

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**BENVENUTO, MARK A. *Detroit Section.*** University of Detroit Mercy, Detroit, Michigan.

**Academic Record:** Virginia Military Institute, B.S., 1983; University of Virginia, Ph.D., 1992.

**Honors:** ACS Fellow, 2015; Salute to Excellence, Detroit Section, ACS 2012; Distinguished Service Award, Detroit Section, ACS, 2004; University of Detroit Mercy, Science Teacher of the Year Award, 2013, 2005, 2004, 2001, 1999, 1998, 1995; Michigan Science Teachers Association, College Science Teacher of the Year Award, 2003; U.S. Army Commendation Medal, 1987; U.S. Army Overseas Ribbon 1987; U.S. Army Parachutist Award 1984.

**Professional Positions** (for past ten years): University of Detroit Mercy, 2009 to date, Professor 2006 to date, Department Chair 2001 to date.

**Service in ACS National Offices:** Committee on Environmental Improvement, Committee Associate, 2020; Committee on Nomenclature, Terminology and Symbols 2004-18, Committee Associate, 2002-03; Committee on Constitution and Bylaws, 2009-14, Committee Associate, 2008; Committee on Education, Task Force on Undergraduate Programming, 2004-06.

**Service in ACS Offices:** *Detroit Section:* Councilor, 2008-20, 2001- 03; Chair, 2006-07; Chair-Elect, 2005-06. *Central Regional Meeting:* Past Chair, 2020; Chair, 2017-18; Chair, 2013-14; Meeting General Chair, 2017, 2012. *Chicago National Meeting:* Undergraduate Programming Chair, 2007. *Environmental Division:* Archivist, 2016 to date, Member-at-Large 2017 to date.

**Member (current):** Member ACS since 1988. National Education Association; National Science Teachers Association; Michigan Science Teachers Association; Michigan College Chemistry Teachers Association; Council for Chemical Research; Royal Society of Chemistry. *ACS Divisions:* Catalysis Science and Technology; Chemical Education; Chemical Toxicology; Energy and Fuels; Environmental; History; and Inorganic.

**Related Activities:** Council for Chemical Research Board of Governors, 2007-09; Michigan College Chemistry Teachers Association, Treasurer, 2002 to date; Boy Scouts of America, Chemistry Merit Badge Counselor, 1994 to date.

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**DUFFY-MATZNER, JETTY L. *Sioux Valley Section.*** Augustana University, Sioux Falls, South Dakota.

**Academic Record:** Boise State University, B.S., 1987; University of California, Davis, Ph.D., 1993.

**Honors:** Augustana University Civitas Keynote, 2020. Albert Nelson Marquis Who's Who Lifetime Achievement Award, 2018. ACS E. Ann Nalley Midwest Region Volunteer Award, 2017. Vernon and Mildred Niebuhr Faculty Excellence Award for Teaching, Augustana College, 2011. Salutes to Excellence Award, ACS, 2004. GenCorp/Aero-jet Blue-sky Technical Achievement Award, 1993. University of California, Davis, Chancellor's Teacher Fellow, 1992. American Institute of Chemists Student Research and Recognition Foundation Awardee, 1986.

**Professional Positions** (for past ten years): Augustana University, Professor, 1999 to date; Binghamton University, State University of New York, Visiting Professor, 2010-11;

**Service in ACS National Offices:** Committee on Committees, 2015-2020. Committee on Meetings and Expositions, 2013-14. Committee Associate, 2011-12. Committee on Local Section Activities, 2004-10; Chair Local Section Assistance and Development Subcommittee, 2008-10. Speaker Advisory Board for Speaker Service, 2002-09. Chair of Speaker Service Advisory Board for Speaker Service, 2005-09.

**Service in ACS Offices:** *Sioux Valley Section:* Councilor, 2003-20; Chair, 2011, 2001-03; Chair-Elect, 2000; Webmaster, 2006-14. *Midwest Regional Board:* Member of Midwestern Regional Board of Directors, 2003-20. Chair, Awards Committee for Midwestern Regional Board of Directors, 2008-20.

**Member:** Member ACS since 1992. Graduate Women in Science, American Chemical Society, ACS *Divisions:* Organic, Chemical Education, Polymers, and Professional Relations.

**Related Activities:** Organic Chemistry Examination Committee for the Examinations Institute, Division of Chemical Education, American Chemical Society (ACS), 2017. Meetings Abstracts Programming Systems Working Group for American Chemical Society 2014-15. Webmaster Sioux Valley Local Section, 2006-14. Chemists Celebrate Earth Day Coordinator, 2004-14. National Chemistry Week Coordinator, 2001-2011. Steering Committee for ACS Regional & National Meeting Registration & Planning. 2014-15. Faculty mentor for Student Affiliates (Members) of the American Chemical Society, 2000-12. *National ACS:* MAPS (Meetings Abstracts Programming Systems) Advisory Group ACS, 2014. Steering Committee for ACS Regional & National Meeting Registration & Planning, 2013-14. Working Group, ACS Policies Affecting Streaming & Recording of National Meetings 2012-13. Diagnostic Undergraduate Chemical Knowledge. Committee for the Examinations Institute, Division of Chemical Education, 2013 & 2011. First Term Organic Chemistry Examination Committee for the Examinations Institute, Division of Chemical Education, 2010 & 2006. General Chemistry Examination Committee for the Examinations Institute, Division of Chemical Education, 2006. *Outside Service:* Moderator for 11<sup>th</sup> Boe Forum Event (Center of Western Studies, SD) with Vice President Al Gore, 2007. Keynote Speaker Convocation Ceremony, Augustana College, 2011. Panelist for proposed National Underground Science Lab, Lead, South Dakota, 2001. State University of New York, Cortland, Lecturer, 1998-99; University of California, Davis (UCD), Lecturer, 1994-97; KNECT/UCD, Research Chemist, 1994-96; GenCorp/Aerojet, Sacramento, California, Senior Chemist, 1992-94.

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**EDGAR, KEVIN J.** *Division of Cellulose and Renewable Materials* (Blue Ridge Section). Virginia Tech, Blacksburg, Virginia.

**Honors:** ACS Fellow, 2010; Fellow, Division of Cellulose and Renewable Materials, 2011; Business Builders Award, Eastman Chemical Company, 2004.

**Academic Record:** Bucknell University, B.S. Chemistry, 1975; Duke University, Ph.D. Organic Chemistry, 1979.

**Professional Positions** (for past ten years): Virginia Tech, Professor, Biomaterials & Bioprocessing, 2007 to date; Adjunct Professor, Chemistry, 2008 to date; Eastman Chemical Company, Technology Fellow and Technology Manager, 1979-07.

**Service in ACS National Offices:** Committee on Membership Affairs, 2020; Committee on Nominations and Elections, 2010-12; Council Policy Committee, (Nonvoting), 2007-09; Committee on Divisional Activities, 2004-09, Chair, 2007-09, Chair-Elect, 2006; Society Committee on Education, Committee Associate, 1998-01; Committee on Chemical Safety, 1999-02, Committee Associate, 1998; Board Committee on Planning, (Nonvoting), 2007-09; Program Review Advisory Group, 2008; Multidisciplinary Program Planning Group, 2008-09.

**Service in ACS Offices:** *Cellulose and Renewable Materials Division:* Councilor, 2008-13, Chair, 2003-04, Chair-Elect, 2002, Program Chair 2000-02; *Northeast Tennessee Section:* Councilor, 1997-07, Chair, 1988-89, Chair-Elect and Program Chair, 1987-88. *Southeast Regional Meeting:* Program Co-chair, 1993.

**Member:** Member ACS since 1976. American Association of Pharmaceutical Scientists (AAPS); American Association for the Advancement of Science (AAAS). *ACS Divisions:* Cellulose and Renewable Materials, and Organic Chemistry.

**Related Activities:** Chair, N&E Task Force on Electronic Distribution of Meeting Content, 2011; Associate Editor, *Cellulose*; Associate Editor, *Carbohydrate Polymers*; Founder of Gordon Conference on Chemistry of Polysaccharides, semiannual Gordon Conference rotated between North America, Europe, and Asia. Published 35 journal articles, wrote 3 book chapters, edited 2 books, and holds 19 US patents in organic chemistry, polysaccharide chemistry, and drug delivery.

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**JESPERSEN, NEIL D.** *New York Section.* St. John's University, Jamaica, New York.

**Academic Record:** Washington and Lee University, B.S., 1967; Pennsylvania State University, Ph.D., 1971.

**Honors:** Salute to Excellence Award, New York Section, ACS, 2004; Outstanding Service Award, New York Section, ACS, 1996; E. Emmet Reid Award, Maryland Section, ACS, 1996; St. John's University Faculty Recognition Award for Teaching, 2015; Outstanding Faculty Award, St. John's University, 1996; Sigma Xi.

**Professional Positions** (for past ten years): St. John's University, Department Chair, 1997-03, Professor, 1994 to date.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2017-20; Board of Directors, Director District I, 2010-12; Councilor ex-officio, 2010-12; Committee on Budget and Finance 2011-16, Committee Associate 2010; Program Review Subcommittee, 2016; Program Review Advisory Group 2010-12; ACS Fellows Oversight Committee, 2010-12, Chair, 2014-16; Committee on Committees, 2003-09, 1999-02, Chair, 2005-07; Council Policy Committee, (Nonvoting) 2005-07; Committee on Economic and Professional Affairs, 2003; Committee on Meetings and Expositions, 1993-98, Committee Associate, 1992; Summit on ACS Committee Structure, Co-Chair, 2007; Joint Board/Council Governance Review Task Force, 2005-06; Committee on Committees, Task Force on a Proposed Committee on Ethics, 2000; Council Policy Committee, Task Force on Ethics, 2001-02; Presidential Task Force on Support to Divisions and Local Sections, 2000; Committee on Committees, Task Force on Increasing Underrepresented Minority Participation in ACS Governance, 1999-02; Task Force on Meeting Registration Fees, 1998-99.

**Service in ACS Offices:** *New York Section:* Councilor, 1991-21; Chair, 1991; Chair-Elect, 1990; Treasurer, 1998-2000; Section Office Manager, 1992-20; Nichols Medal Jury, 1992-95; Chair, 1995; Bylaws Committee, 1994-20, Chair 1997-09; Chemistry Olympiad Committee, 2002-06; Membership Committee Chair, 2004-20; Student Member Committee, 1983-20; Nichols Site Selection Committee, 1992-20; National Chemistry Week Committee, 1993-20; Awards Committee, 1993-09. *Middle Atlantic Regional Meeting:* Poster Session 2020, Organizing Committee Consultant, 2016; Student Affiliate Program Chair, 2007-08; Long Range Planning Committee, 2001-09, 1988-97; Environmental Chemistry Committee, 2001-12, 1986-94; Exhibits Chair 1996-97; Short Course and Workshop Chair 1992-93; Nominations and Elections Committee, 1991-93; Membership Affairs Committee, Chair, 1993; Public Relations Committee, 1990, Program Committee Chair, 1990; Industry Academe Committee, 1990-09. *Long Island Subsection:* Chair, 1989, Chair-Elect 1988; Awards Committee Chair, 1990-06; Analytical Chemistry Committee Chair, 1990-20; Environmental Chemistry Committee, 1990-09, Chair 1996-98; MetroChem 1985 Symposium Organizer and Presider. *Central Texas Section:* Education Committee 1976-77. *Division of Analytical Chemistry:* Professional Statistics Committee, 1989-90.

**Member:** Member ACS since 1969. American Association for the Advancement of Science; New York Academy of Science; Sigma Xi. *ACS Divisions:* Analytical Chemistry and Chemical Education.

**Related Activities:** Board of Directors Operations and Technology Team Chair; Budget and Finance Communications Committee; Governance Review Committee Summit, Co-chair, 2007; *Eastern Analytical Symposium*, Publicity Chair, 2001, Workshops Committee Chair, 1999, Awards Chair, 2004, 1997, Program Chair, 1995, Chair, 1992, Chair-Elect 1991, Treasurer 1990; Academic Careers in Chemistry Workshop organizer, 1999-05; University of Texas, Assistant Professor, 1971-77.

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**KENNEY, MICHAEL J. Cleveland Section.** Cuyahoga Community College, Cleveland, Ohio.

**Academic Record:** B.A., St. John's University, 1982; Ph.D., Physical Chemistry, Iowa State University, 1990; M.S., Information Systems Technology, The George Washington University, 1999.

**Professional Positions** (for past ten years): Cuyahoga Community College, Associate Dean, Health Careers & Sciences, 2020 to date, Associate Professor of Chemistry, 2016 to date; Case Western Reserve University, Assistant Director for Academic Technology & Faculty Support, 2013-16; Adjunct Associate Professor of Chemistry, 2013 to date; Teagle Professorial Fellow and Senior Instructor, Case Western Reserve University, Cleveland, 2006-13.

**Service in ACS National Offices:** Committee on Local Section Activities, 2020-21, Committee Associate, 2018-19; Committee on Chemists with Disabilities, 2013-14, Committee Associate, 2011-12.

**Service in ACS Offices:** *Cleveland Section:* Councilor, 2017-21, Alternate Councilor, 2016, Immediate Past Chair, 2015, Chair, 2014, Chair-Elect, 2013. *Milwaukee Section:* Secretary, 1990.

**Member:** Member ACS since 1983.

**Related Activities:** *Author, Chapter 7, Learning in the Digital Age: Assistive Technology and Electronic Access, Equal Access for Students with Disabilities: The Guide for Health Science and Professional Education, Second Edition* by Lisa M. Meeks, Neera R. Jain, and Elisa P. Laird

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**LIBBY, R. DANIEL** *Division of Professional Relations (Maine Section).* Retired, Moravian College, York, Maine.

**Academic Record:** Colby College, B.A., Chemistry 1968; Pennsylvania State University, Ph.D., Organic Chemistry 1974; University of Illinois Postdoctoral Research Associate in Biochemistry 1980-1982.

**Honors:** ACS Fellow, 2015.

**Professional Positions** (for past 10 years): Retired, Moravian College (8/31/2016), Professor, Department of Chemistry, 2007-16, 2000-07; Chair of Chemistry, 2000-06; Associate Professor and Chair of Chemistry, 1992-2000.

**Service in ACS National Offices:** Committee on Meetings and Expositions, 2015-20; Committee on Chemists with Disabilities, 2014, Committee Associate, 2012-13; Women Chemists Committee, 2003-11, Committee Associate, 2001-02, Subcommittee chair 2009-11, Program Chair, 2002-09.

**Service in ACS Offices:** *Professional Relations Division:* Councilor, 2014-20, Alternate Councilor, 2010-13; Program Chair, 2008-20. *Maine Section:* Secretary, 1989.

**Member (current):** Member ACS since 1970. Council on Undergraduate Research.

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**PRIBUSH, ROBERT A.** *Indiana Section.* Butler University, Indianapolis, Indiana.

**Academic Record:** University of Delaware, B.S., 1968; University of Massachusetts, Ph.D., 1972.

**Honors:** Award for Volunteer Service to the American Chemical Society, 2014; ACS Fellow, 2013; Indiana Section Service Award, 2013; Phi Kappa Phi, Chapter President, 1989-98; Lilly Foundation Open Faculty Fellow, 1992; Holcomb Research Institute Fellow, 1983.

**Professional Positions** (for past ten years): Butler University, Professor Emeritus, 2016 to date; Professor, 1986-2016.

**Service in ACS National Offices:** Committee on Committees, 2015-17; Committee on Meetings and Expositions, 2012-15; Committee on Nominations and Elections, 2009-11; Council Policy Committee, 2005; Committee on Publications, 2008-11, Committee Associate, 2006-07; Committee on Membership Affairs, 2004-05, 1993-96, Committee Associate, 2003, 1992; Committee on Economic and Professional Affairs, 1997-02; Board of Trustees, Group Insurance Plans for ACS Members, ex-officio, 1993-96; Younger Chemists Committee, 1976-81; Chair, 1978-80; Professional Programs Planning and Coordinating Committee (PROPPACC), 1978-80; *C&EN* Editorial Board, 2010-11; Program Review Advisory Group, 2006; Advisory Board, Office of Cooperative Education, 1978-86; SCIQUEST Task Force, 1980-82.

**Service in ACS Offices:** *Indiana Section:* Councilor 1991-2022; Alternate Councilor, 1982-90; Chair, 1980; Chair-Elect, 1979; Education Committee, 1986-92, 1982, 1975-79, 2009 to date, Chair, 1986-92, 1979, 2009 to date; Chemistry Olympiad Co-Chair, 2009 to date; Program Committee Chair, 1982, 1977; Executive Committee, 1976 to date. 2013 Indianapolis National Meeting Lead Team, 2013-14; *Central Regional Meeting:* Symposium Chair, 2011. *Central Regional Meeting:* Program Chair, 2004. *Joint Central-Great Lakes Regional Meeting:* Symposium Chair, 1991. *Division of Chemical Education:* Examinations Institute, General Chemistry Laboratory Assessment Exam, 2009-2012; Diagnostic Test of Undergraduate Chemical Knowledge Exam Committee, Chair, 2006; Inorganic Chemistry Exam Committee, 2000; Chair, 2000-02; General Chemistry Exam Committee, 1991-96; Chair, 1994-96; *ChemEd* 83 Advisory Board, Chair 1981-83.

**Member (current):** Member ACS since 1969. Indiana Science Olympiad Board of Directors, 1993-2012, Treasurer, 1999-2012; National Science Teachers Association; Indiana Academy of Science. *ACS Division:* Chemical Education.

**Related Activities:** Holcomb Research Institute Biotic Resources, Program Associate, 1985-90; University of Southern California, Postdoctoral Fellow, 1972-74; Wolf Technical Services, Technical Consultant/Expert Witness, 1977 to date; Butler University, Acting Associate Dean of Liberal Arts and Sciences, 1990-92; Associate Professor, 1979-86; Assistant Professor, 1974-79; textbook and textbook supplement consulting editor and author.

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**SMIST, JULIANNE M. D. *Connecticut Valley Section.*** Springfield College, Springfield, Massachusetts.

**Academic Record:** Our Lady of the Elms, B.A., 1972; Boston College, M.S., 1974; University of Connecticut, Ph.D., 1996.

**Honors:** E. Ann Nalley Regional Award for Outstanding Service to ACS, Northeast Region, 2017; Gerbrich Fellow, University of Connecticut, 1996; Outstanding Graduating Senior Connecticut Valley Local Section, ACS, 1972; Beta Beta Beta Biological National Honor Society, Honorary Member.

**Professional Positions (for past ten years):** Springfield College, Chair, Biology/Chemistry Department, 2013-19; Professor of Chemistry, 2004 to date; Associate Professor, 1996-03; Assistant Professor, 1988-96.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2018-20, Secretary, 2020; Local Section Activities Committee, Committee Associate, 2017; Leadership Advisory Board, 2015-17; Committee on Divisional Activities, 2011-15, Committee Associate, 2010; Committee on Meetings and Expositions, 2002-07, Committee Associate, 2001.

**Service in ACS Offices:** *Connecticut Valley Section:* Councilor, 2000-20; Chair, 1989; Chair-Elect, 1988; Associate Secretary, 1984-87. *Division of Chemical Education:* Program Chair, 2008-10; Personnel and Nominations Committee, 2015-17; Program Co-Chair, 2016 Biennial Conference on Chemical Education. *Northeast Regional Meeting:* General Chair 2009. *Northeast Region (NERACS, Inc.),* Board Chair, 2005-13.

**Member (current):** Member ACS since 1972. American Association of Chemistry Teachers (AACT); New England Association of Chemistry Teachers. *ACS Division:* Chemical Education.

**Related Activities:** University of Connecticut, Visiting Lecturer, 1992-99; Westfield State College, Visiting Lecturer/Lab Instructor, 1980-82; American International College, Instructor, 1977-79; Cathedral High School, Chemistry Teacher, 1975-77. Outside evaluator of two grants from the Massachusetts Board of Higher Education and Massachusetts Math and Science Partnership.

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**WATKINS, LINETTE M. Virginia Section.** James Madison University, Harrisonburg, Virginia.

**Academic Record:** Trinity University, B.S., Biochemistry, 1989; University of Notre Dame, Ph.D., Biochemistry, 1996.

**Honors:** ACS Fellow 2014; Bio Scientific Corporation, Sabbatical Research Fellow, 2012-13; Mariel Muir Faculty Award for Excellence in Mentoring, 2011; NSF Senior Discovery Corps Fellow, 2006-07; University of Texas-Austin Research Faculty Fellow, 2003-05; Texas State University Presidential Award for Excellence in Service, 2003; Reilly Graduate Fellowship, University of Notre Dame, 1992; Clare Booth Luce Fellowship, University of Notre Dame, 1989-92.

**Professional Positions** (for past ten years): James Madison University, Professor and Department Head, 2014 to date; Southwest Texas State University (renamed Texas State University), Associate Professor, 2003-14, Assistant Professor, 1997-03.

**Service in ACS National Offices:** Council Policy Committee (Voting) 2018-20; Committee on Meetings and Expositions, Committee Associate, 2013; Committee on Minority Affairs, 2000-08, Chair, 2006-08, Committee Associate, 1999; Working Group on Two Year College Guidelines, 2005-09; Committee on Community Activities, 2004-06, National Chemistry Week (NCW) Task Force, 2001-03.

**Service in ACS Offices:** *Virginia Section:* Councilor, 2014-20. *Central Texas Section:* Councilor, 2012-13; Alternate Councilor, 2006-12; Chair, 2003-04, Chair-Elect, 2003; Subcommittee Chair, 2003-14. *Southwest Regional Meeting Board:* Co-Chair, 2012; Chair-Elect, 2011. *Southwest Regional Meeting:* General chair, 2011. *Southeast Regional Meeting Board:* Immediate Past Chair 2017, Chair, 2016, Chair-elect 2015. *Professional Relations Division:* Alternate Councilor, 2006-20; Member at Large, 2003-05; Chair, Minority Affairs Subdivision, Chair, 2010-12.

**Member:** Member ACS since 1992. Council on Undergraduate Research; Society for the Advancement of Chicanos and Native Americans in Science. *ACS Divisions:* Biological Chemistry; Chemical Education; and Professional Relations.

**Related Activities:** Council on Undergraduate Research Workshop Facilitator and Campus consultant, 2008-10; Symposium organizer at National and Regional Meetings, 2005 to date; National Science Foundation Panel Reviewer, 2000 to date; Core collaborator on Biochemistry Process Oriented Guided Inquiry Learning (POGIL) project, 2006-14; Texas A&M University, Postdoctoral Research Associate 1995-97.

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## REQUEST FOR SUGGESTIONS FOR 2022 ELECTED COMMITTEES

### A Reminder

During the virtual Council meeting on August 19, Councilors will elect members to the Committee on Committees, Council Policy Committee, and Committee on Nominations and Elections to fill 2021-2023 terms. The process to select nominees for 2022-2024 terms will begin almost immediately. The Committee on Nominations and Elections therefore asks each Councilor to examine the following list of Elected Committee positions with terms ending on December 31, 2021, and the list of the other members of these committees. Names of individuals suggested for nomination should be inserted on the form on page 35. This form can be emailed to the Chair of the Committee: Dr. Amber S. Hinkle, nomelect@acs.org.

### COMMITTEE ON COMMITTEES

Members of the Committee on Committees (ConC) whose terms end on December 31, 2021, are:

Rodney M. Bennett, Agrochemicals (North Carolina Section)  
Jacqueline A. Erickson, North Jersey Section  
Donivan R. Porterfield, Central New Mexico Section  
Carolyn Ribes, Brazosport Section  
Susan M Schelble, Colorado Section

Carolyn Ribes and Susan M Schelble are ineligible for reelection.

The other elected members serving on the Committee on Committees are:

#### Term ending December 31, 2022

Lisa M. Balbes, St. Louis  
D. Richard Cobb, Rochester Section  
Emilio X. Esposito, Computers in Chemistry (Michigan State University Section)  
Jason E. Ritchie, Ole Miss  
Stephanie J. Watson, Maryland Section

#### Term ending December 31, 2020

Mitchell R.M. Bruce, Maine Section  
Jetty L. Duffy-Matzner, Sioux Valley Section  
Martha G. Holloman, Delaware Section  
Diane Krone, North Jersey Section  
Robert A. Pribush, Indiana Section

ConC nominees for 2021-2023 terms are listed in this Council agenda under "Election to Committee on Committees." Names of those elected will be announced at that meeting. Mitchell R.M. Bruce, Jetty L. Duffy-Matzner, and Robert A. Pribush are ineligible for reelection.



### **COUNCIL POLICY COMMITTEE**

Members of the Council Policy Committee whose terms end on December 31, 2021, are as follows:

Ella L. Davis, Philadelphia Section  
Lissa Dulany, Georgia Section  
Martin D. Rudd, Northeast Wisconsin Section

Ella L. Davis, Lissa Dulany, and Martin D. Rudd are ineligible for reelection.

The other elected members serving on the Council Policy Committee are as follows:

#### Term ending December 31, 2022

Anne M. Gaffney, Catalysis Science & Technology (Idaho Section)  
Lydia E.M. Hines, Kalamazoo  
Will E. Lynch, Coastal Georgia  
Sally B. Peters, Silicon Valley

#### Term ending December 31, 2020

Dee Ann Casteel, Susquehanna Valley  
Mark D. Frishberg, California  
Zaida C. Morales Martinez, South Florida  
Margaret J. Schooler, Delaware  
Linette M. Watkins, Professional Relations (Virginia Section)

CPC nominees for the 2021-2023 term are listed in this Council agenda under "Election to Council Policy Committee." Names of those elected will be announced at that meeting. Linette M. Watkins is ineligible for reelection.

### **COMMITTEE ON NOMINATIONS AND ELECTIONS**

The duties of the Council Policy Committee include "Nominating voting Councilors for membership on the Committee on Nominations and Elections..." Therefore, suggestions for candidates to serve on N&E will be forwarded to the CPC Subcommittee on Nominations for consideration.

Those members of the Committee on Nominations and Elections whose terms end on December 31, 2021, are as follows:

Allison Aldridge, Chemical Society of Washington Section  
Christopher J. Bannochie, Savannah River Section  
Mary K. Engelman, Industrial & Engineering Chemistry (Northeast Tennessee Section)  
Silvia Ronco, Inorganic Chemistry (Southern Arizona Section)  
Frankie K. Wood-Black, Chemical Health and Safety (Northern Oklahoma Section)

Mary K. Engelman is ineligible for reelection.

The other elected members serving on the Committee on Nominations and Elections are:

Term ending December 31, 2022

Michelle V. Buchanan, Analytical Chemistry (East Tennessee Section)  
Alan A. Hazari, East Tennessee Section  
Amber S. Hinkle, Greater Houston Section  
Thomas H. Lane, Ex Officio (Midland Section)

Term ending December 31, 2020

Michael Appell, Agricultural & Food Chemistry (Illinois Heartland Section)  
Neil D. Jespersen, New York Section  
Mamie W. Moy, Greater Houston Section  
Eleanor D. Siebert, Southern California Section  
Julianne M.D. Smist, Connecticut Valley Section

N&E nominees for the 2021-2023 term are listed in this Council agenda, under "Election to Committee on Nominations and Elections." Names of those elected will be announced at that meeting. Michael Appell, Mamie W. Moy, and Eleanor D. Siebert are ineligible for reelection.



Dr. Amber S. Hinkle  
nomelect@acs.org

Dear Dr. Hinkle:

I propose the following Councilors for consideration by the Committee on Nominations and Elections and the Council Policy Committee:

(Please Print)

COMMITTEE ON COMMITTEES (Councilors only)

Councilor Name \_\_\_\_\_

Local Section **or** Division Affiliation \_\_\_\_\_

Councilor Name \_\_\_\_\_

Local Section **or** Division Affiliation \_\_\_\_\_

COUNCIL POLICY COMMITTEE (Councilors only)

Councilor Name \_\_\_\_\_

Local Section **or** Division Affiliation \_\_\_\_\_

Councilor Name \_\_\_\_\_

Local Section **or** Division Affiliation \_\_\_\_\_

COMMITTEE ON NOMINATIONS AND ELECTIONS (Councilors only)

Councilor Name \_\_\_\_\_

Local Section **or** Division Affiliation \_\_\_\_\_

Councilor Name \_\_\_\_\_

Local Section **or** Division Affiliation \_\_\_\_\_

Sincerely,

\_\_\_\_\_  
(name)

\_\_\_\_\_  
(local section or division affiliation)

This form must be received by Dr. Hinkle no later than October 31, 2020

**BALLOT COUNTS, PREVIOUS ELECTIONS**

The Committee on Nominations and Elections regularly reports in the Council agenda the numerical results of balloting from elections at the previous meeting. The following tabulations are the numerical results (May 4, 2020) of the online balloting conducted April 27 – May 1, 2020, for the selection of candidates for President-Elect, 2021. Also reported are the results of balloting for the selection of candidates for Director, District III and Director, District VI for 2021-2023 terms, and the results of the special elections to fill vacancies on the Committee on Committees for a 2020-2021 term and on the Committee on Nominations and Elections for a 2020-2022 term.

**President-Elect, 2021**

Nominee	Round 1	Round 2	Round 3
<b>Frank D. Blum</b>	85	95	
<b>*Mary K. Carroll</b>	126	140	201
<b>Michael P. Doyle</b>	36		
<b>*Angela K. Wilson</b>	90	99	132

*337 valid internet ballots were cast, with 169 being the majority. The results of the first preference vote totals are shown in the Round 1 column. No nominee attained a majority. Following the procedures approved by Council, the nominee with the fewest first-preference votes is eliminated from further consideration; the second-preference votes of the eliminated nominee are redistributed to the remaining unelected nominees. The process is repeated until the number of elected nominees equals the number of positions available. Those marked with an asterisk (\*) were declared elected as candidates.*

**District III**

Nominee	Round 1	Round 2	Round 3
<b>Benny C. Chan</b>	7		
<b>*Teri Quinn Gray</b>	24	27	
<b>*Lynne P. Greenblatt</b>	11	13	35
<b>Jeffrey L. Sturchio</b>	10	12	16

*The results of the first preference vote totals are shown in the Round 1 column. No nominee attained a majority. Following the procedures approved by Council, the nominee with the fewest first-preference votes is eliminated from further consideration; the second-preference votes of the eliminated nominee are redistributed to the remaining unelected nominees. The process is repeated until the number of elected nominees equals the number of positions available. Those marked with an asterisk (\*) were declared elected as candidates.*

**District VI**

Nominee	Round 1	Round 2	Round 3
<b>*Janet L. Bryant</b>	11	17	23
<b>*Paul W. Jagodzinski</b>	24		
<b>Sharon P. Shoemaker</b>	8	12	
<b>*Jeanette M. Van Emon</b>	3	17	23

*The results of the first preference vote totals are shown in the Round 1 column. No nominee attained a majority. Following the procedures approved by Council, the nominee with the fewest first-preference votes is eliminated from further consideration; the second-preference votes of the eliminated nominee are redistributed to the remaining unelected nominees. The process is repeated until the number of elected nominees equals the number of positions available. Those marked with an asterisk (\*) were declared elected as candidates.*

**Committee on Committees**

Nominee	Result
<b>Sarah M. Mullins</b>	148 <sup>1</sup>
<b>**Susan M. Schelble</b>	148 <sup>1</sup>

<sup>1</sup> Following a mutually agreed-upon procedure to break the tie, Schelble was declared elected.

**Committee on Nominations and Elections**

Nominee	Result
<b>**Alan B. Cooper</b>	196
<b>Alan M. Ehrlich</b>	107

\* Individuals selected as candidates

\*\* Individuals elected

## REPORT OF THE PRESIDENT

In this COVID-19 pandemic year my plans as President of the ACS have been largely suspended and most have been postponed until 2021. I managed to visit the Northeastern Section of the ACS on January 21, where I gave a scientific lecture followed by a visit to the Georgia ACS section on January 23, after attending the New Officer's reception on January 22. Before the pandemic closings started, I also managed to visit the New Jersey Institute of Technology on February 5, where I also gave a scientific talk in addition to visiting the chemistry department. My only other official ACS trip was to participate as the opening plenary speaker at the 85<sup>th</sup> Israel Chemical Society Meeting in Jerusalem on February 18, where I was asked to provide opening remarks. In a very nice ceremony, I was made a life member of the Israel Chemical Society and was able to participate in the many scientific sessions that ran concurrently during the conference. These are the only official trips that I managed to do on behalf of the ACS just before the termination of the in-person Philadelphia spring meeting. All other travel plans and multiple other events have been cancelled, including many later this year, such as the CLAQ chemistry conference planned for Cartagena, Colombia in late September, and the Peruvian Chemistry Congress in Lima in October, at both of which I was scheduled to present plenary lectures.

One of the Presidential Symposia for the Philadelphia 2020 meeting; "Running for Public Office: Guidelines and Experiences," with the aim of encouraging and helping scientists and engineers to run for public office positions, has been postponed until the spring meeting in San Antonio. Scientists who have run for office and either won or lost their election will offer detailed advice about what to do and not to do to try to be elected. The same is true for a symposium planned for San Francisco; "Perovskite Solar Cells: State of the Art and Potential Commercialization", which has been postponed until San Antonio. Some of the key players in this field will present results at the cutting edge. Other symposia are also planned for either the spring or the fall 2021 national meeting.

I have to say that in spite of the lockdown and limited mobility, I have been very busy, trying to master multiple virtual communication platforms and conducting business for my university as well as for the ACS. I recorded multiple videos on behalf of the ACS, such as: the "COVID-19 response/canceling the Philadelphia national meeting," "Congratulations to students selected for Posters on the Hill;" "Earth Week Celebration (Photovoltaics, in Spanish);" "Chemistry Olympiad celebration for Southern California Section of the ACS;" "A statement on the killing of George Floyd;" "EuChemS 50<sup>th</sup> anniversary;" and the "Green Chemistry Conference opening remarks." I was also the Keynote Speaker for the US National Chemistry Olympiad competition banquet held virtually on June 12, 2020. So, even though travel has been completely halted, many things have continued to move forward.

Let's hope that things change soon and that we are able to again meet in person in San Antonio next year. Stay safe and best of luck.

Luis Echegoyen

## REPORT OF THE PRESIDENT-ELECT

Although the in-person meeting in Philadelphia was cancelled, I was pleased that most of the activities scheduled could be conducted via conference call or virtually. As for the Philadelphia symposia that I was co-organizing, two of them were postponed to later dates (“Scientific Visualization and Creative Presentations” to March 2021; and “Green Polymer Chemistry” to August 2022), and the symposium on Excellence in Graduate Polymer Research was placed on a special website in order to provide recognition for the students.

I am continuing to develop programs for 2021 around my presidential theme of “Growth, Collaboration, and Advocacy.” Particular areas of emphasis include sustainability, collaboration, innovation, entrepreneurship and industrial engagement, and international developments. In the area of innovation, industrial, and entrepreneurship, I am planning a Presidential symposium in August 2021. In the area of sustainability, I wrote a Comment published in the February 10 issue of C&EN, and coauthored an Op Ed article with Mary Kirchhoff, along with organizing a sustainable green chemistry symposium at the Fall 2020 ACS meeting (as described below). I am currently editing an ACS book with Professor Rich Gross at Rensselaer Polytechnic Institute (RPI) on “Green Polymer Chemistry and Sustainability” where 25 colleagues have agreed to contribute chapters. A Presidential symposium on sustainability in food and agriculture will be held in Spring 2021 in San Antonio, TX.

In the area of Advocacy, the in-person Legislative Summit was cancelled due to the pandemic. I am working with the Younger Chemists Committee (YCC) and ACS staff in the Office of the Secretary & General Counsel to organize an advocacy workshop for YCC and student leaders at the Leadership Institute in January 2021.

I attended the Safety Summit on February 20-21 in Washington, DC. Because of COVID-19, all travel for the ACS-related meetings and events has ceased. However, I have been able to participate in several meetings virtually. I attended the meeting of the Council of Scientific Society Presidents on May 2-4. It was very informative, particularly with respect to the session on communicating the value of science to the public. On April 28, I was the featured speaker at the Central Texas Section Award Ceremony and at the Louisiana Local Section Award Event on May 21, via Zoom. I attended the Green Chemistry and Engineering Conference, an exciting and informative meeting organized by the ACS Green Chemistry Institute®, using the virtual platform supplied by PSAV.

In the upcoming ACS National Meeting in August (now going virtual), I am helping to organize two symposia:

1. “Sustainable Green Chemistry: Bench to Market” (PRES Recommended, sponsored by SChB, and cosponsored AGFD, BMGT, CA, CEI, CELL, ENVR, I&EC, POLY, PROF, and SCC; co-organized with Joe Sabol). The goal is to promote sustainability and showcase successful product development in the chemical and polymer sectors.
2. “NMR of Materials” (sponsored by POLY, co-organized with Alan English and Lou Madsen). This symposium features the latest developments in NMR and the applications of NMR to materials R&D.

I look forward to working with all of you to advance the chemistry enterprise. Your help, advice, and suggestions would be appreciated; please write to me at [h.cheng@acs.org](mailto:h.cheng@acs.org).

H. N. Cheng

## REPORT OF THE IMMEDIATE PAST PRESIDENT

2020 has become a year that challenged us in ways we did not foresee, ranging from the very sad loss of ACS colleagues to the pandemic, to the closure of workplaces and universities and the odd work-from-home life that many of us are experiencing. Part of the challenge is the need to hold our fall national meeting virtually. I am sorry that I won't be able to welcome you to San Francisco and speak with you in person. I shall miss our face-to-face discussions, celebrations, and sharing of information and ideas.

We are fortunate that we live in an age with technology to help us communicate and to help us carry out our work for ACS. The necessity for a virtual Council meeting will stretch us and challenge us, but it will also push us into evaluating better ways to communicate effectively with the evolving electronic tools. Many staff and volunteers are working very hard to try to produce the best meeting possible under the circumstances.

You will at least be spared any travelogues from the presidential succession, because we have had very little chance to travel. Many ACS members, including me, were also very much looking forward to participating in the 2020 Regional Meetings. My gratitude goes to the meeting organizers who had to be flexible and to make tough decisions after working so hard to build exciting programs. I look forward to seeing the results of your efforts in the future. I'm particularly looking forward to seeing the growth in programming on safety at Regional Meetings when we are able to gather for them again.

Much of our important work continues virtually. As you know, Diversity, Inclusion and Respect is a Core Value of ACS, and is especially important in this very difficult year. I personally believe that identifying and understanding our individual inherent/unconscious biases is key to leading and advancing our work in this area. As part of our on-going work, I am looking forward to ACS Board members' participation in a virtual workshop in late June to help us recognize our individual biases, the first of a longer and deeper program being planned.

Maintaining our collaborations with other organizations is also more challenging, with in-person meetings not possible. We are working on reconfiguring and re-planning many events. For example, I am looking forward to being able to participate in the Women in Chemistry program organized by the Organisation for the Prohibition of Chemical Weapons (OPCW), which has tentatively moved from July to November.

Thank you all for your flexibility, resilience, and resourcefulness in your work with ACS. I have been impressed by the ways our volunteers are working together with innovative ideas and support for one another. Feel free to contact me at any time at [b.charpentier@acs.org](mailto:b.charpentier@acs.org). Please stay safe.

Bonnie A. Charpentier



## REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

Fellow Councilors:

I sincerely hope that you all are holding up well under the strain of what has shaped up to be an *annus horribilis*. We all have had to adapt quickly to changes in meeting formats, restricted travel, limited networking opportunities, schedule disruptions, and continual uncertainty. Your continued dedication to ACS under these circumstances is admirable indeed and greatly appreciated.

The Board of Directors began the year focusing on ways to turn the ACS Core Value of Diversity, Inclusion, and Respect into a prioritized action plan, not expecting that the Board would develop such a plan entirely on its own, but rather wanting to promote the coordination of committee activities and to emphasize the urgency of “moving the needle” both within ACS and in the broader chemistry enterprise. Our commitment to these goals has not waned in the least. Recent domestic developments highlighting social justice failings, though, have accelerated the efforts. We in no way wish to diminish the significance of public statements in support of our members who have been adversely impacted by discrimination, bigotry, and harassment in any form. Nonetheless, we recognize that the actions and programs engendered by opposition to such injustices by Council, the Board, and ACS staff are key to making progress in eradicating the injustice. The Board welcomes your suggestions for specific, concrete steps that can move ACS and the careers of our members forward. Likewise, we encourage governance committees to move expeditiously in collecting, and prioritizing if possible, such suggestions for consideration by the Board and staff. If implementation of those suggestions would necessitate the commitment of significant funding, do not be shy in developing new program funding requests for consideration by B&F and the Board, because it will not be long before attention will need to turn to the development of the 2021 budget.

It should come as no surprise to you that when the Board met in January for its annual orientation session, no one asked what we would do if faced with a worldwide pandemic. The rapid onset of SARS-CoV-2 infections in the United States required urgent actions on the Board's part, especially when the advice of local health officials was changing weekly and, in some cases, daily. We extend our thanks to ACS staff especially. They adjusted as well as might be hoped to the closure of our buildings and have worked hard to pivot our expected in-person meetings to virtual versions. We are still learning how to manage some things in revised formats, but we certainly will be better prepared should another emergency situation arise. Furthermore, it has become clear that some of our traditional ways of doing things are less than optimal, that adoption of virtual or hybrid meeting formats (for both technical and governance committee sessions) can improve operational efficiency and timeliness and can expand member access. Our thanks also go to you for making the best of the quickly evolving public health situation in the US and around the world and for keeping ACS governance on track. I would like to be able to tell you that the pandemic will pass quickly and that we soon will be back to business as usual, but right now I cannot do so with any confidence whatsoever. I thus ask for your continued indulgence; we together WILL get through the current difficulties and, I hope, come out a stronger and more just organization and society.

John E. Adams

**BOARD CHAIR'S REPORT  
OF THE EXECUTIVE SESSION  
ACTIONS AND DISCUSSION ITEMS  
March 2020**

The ACS Board of Directors met virtually in Executive Session March 20, 2020 and focused in particular on a number of key strategic issues of a time-sensitive nature.

**The Board's Committees**

The Board of Directors received and discussed reports from its committees on Executive Compensation, Professional and Member Relations, and the Joint Board-Council Committee on Publications. These committees requested and obtained Board action on one or more items, as follows.

- 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.
- On recommendations of the Joint Board-Council Committee on Publications, the Board voted to approve the reappointments of Editors-in-Chief for two ACS journals. Those appointments will be announced in C&EN once the appointed individuals have been notified and appropriate arrangements for their continued service have been made.
- On recommendations of the Committee on Professional and Member Relations, the Board approved Society nominees for the 2020 Grand Prix of the Fondation de la Maison de la Chimie as well as the Committee's screened lists of five nominees each for the 2021 Priestley Medal, the 2021 Charles Lathrop Parsons Award, and the 2021 Award for Volunteer Service to the ACS. The Board will select the recipients of these latter three awards from the screened lists provided.

**The Chief Executive Officer's Report**

The Board received an extensive report from the Chief Executive Officer on issues relating to the COVID-19 virus, the termination of the ACS 2020 Spring National Meeting in Philadelphia, Safety and Professionalism as core values of the Society, ACS financial performance, and upcoming events and activities. His direct reports then discussed with the Board the status of the proposed transformation of the membership model (Membership 2.0) and a range of opportunities and challenges facing CAS and the ACS Publications Division.

**Other Society Business**

The Board heard reports from the Presidential Succession on their current and planned activities for 2020.

**Board Resolution**

In anticipation of the Petition on Membership and Dues scheduled for action by Council, the Board adopted the following resolution on setting a temporary floor for dues allocations.

Whereas, extraordinary but unsustainable efforts were implemented recently to successfully halt the downward movement in the number of ACS members;

Whereas, efforts are underway to transform ACS membership offerings to a future model that will provide greater value and more attractive tiers of offerings to prospective ACS members;

Whereas these new offerings may include variable dues levels;

Whereas, decreases in the numbers of ACS members and/or changes to dues levels during the transition to the new model may negatively impact the level of the dues pool, which serves as the basis for local section and division allocation amounts;

Whereas, local sections and divisions rely on these allocations to provide their services and programming for ACS members and to achieve the ACS Mission;

Therefore Be It Resolved that should new membership offerings be implemented which negatively impact overall dues revenue, the ACS Board of Directors commits to (1) ensure through the budgeting process that the overall amount available for allocations to local sections and divisions through the dues pool over the period 2021 through 2025 does not drop below the 2018 level (\$3.04M), and (2) revisit this commitment for 2026 and beyond.

##

**BOARD CHAIR'S REPORT  
OF THE EXECUTIVE SESSION  
ACTIONS AND DISCUSSION ITEMS  
June 5, 2020**

The ACS Board of Directors met virtually in Executive Session June 5, during which the Board considered several key strategic issues and, in response, took the following actions.

**The Chief Executive Officer Report**

The Board received an extensive report from the CEO on issues relating to Safety, and Diversity, Inclusion, and Respect as core values of the Society, as well as on the COVID-19 pandemic and ACS response, Membership, ACS 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 Chemical Abstracts Service (CAS) and the ACS Publications Division.

The Board approved a resolution terminating the in-person Fall National Meeting in San Francisco, California, scheduled for the third week of August 2020, and authorized and directed staff to conduct the meeting using virtual technology. The detailed plan communicating these changes will be deployed the week of June 8.

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

The Board received and discussed reports from its committees on Executive Compensation, the Governing Board for Publishing, Professional and Member Relations, and an update on the Professional and Leadership Development Portfolio. The highlights of those report were as follows.

- The Board received a 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.
- On recommendations of the Joint Board-Council Committee on Publications, the Board voted to approve the appointment of an Editor-in-Chief for two ACS journals. The appointments will be announced in *C&EN* once the individual has been notified and appropriate arrangements for continued service have been made.
- The Committee on Professional and Member Relations shared with the Board the names of the recipients of the 2021 Award for Volunteer Service to the ACS, the 2021 Charles Lathrop Parsons Award, and the 2021 Priestley Medal.
- The Board made an appointment and a reappointment to the Governing Board for Publishing for terms beginning July 1, 2020.
- The Board received an update on the Professional and Leadership Development Portfolio, a project goal that was established based on the NextGen Task Force's recommendations to the Board in December 2019. The portfolio will position ACS to cultivate strategic partnerships with colleges and universities, corporations, and government agencies. There will be a continued focus on the member/potential members as well, adhering to the goal of developing Highly Effective Professionals, the center point of the framework developed by the task force.

**Other Society Business**

The Board approved the list of PRF Grant recommendations as submitted by the Committee on the ACS Petroleum Research Fund. The Board also confirmed Council's approval of the amendments to Standing Rule I, Sec. 5, b, 9, 10 and Standing Rule II, Sec. 5 per the Petition on Benefits and Dues; and the continuation of the Committee on Patents and Related Matters.

As is customary, the Board heard reports from the Presidential Succession on current and planned activities for this year. Due to the negative impacts of the COVID-19 pandemic, many programs, travel, and other activities have been cancelled, curtailed, or postponed. Alternative plans and arrangements such as virtual meetings and activities were announced.

The Board accepted with thanks a distribution of \$1M received from the Board of Trustees for the Group Insurance Plans. In announcing the distribution, it was emphasized to the Board that the funds came from the Trust's Income Fund and not from premium payments.

The Board offered a resolution congratulating the European Chemical Society on the occasion of its fiftieth anniversary.

**Board Retreat**

Due to the coronavirus pandemic, the Board's retreat, usually held in June, will be conducted virtually. An in-person follow-up will also take place at an appropriate time, pending COVID-19 re-opening requirements.

John E. Adams

## REPORT OF THE CHIEF EXECUTIVE OFFICER

In late January, as many of us met in Atlanta for the Leadership Institute, no one would have guessed that Atlanta would be our last face-to-face gathering for many months. Within weeks, the full impact of the COVID-19 pandemic had begun to unfold. ACS, and like every other organization, was tested to react and to adjust with great agility.

My Executive Leadership Team moved to a daily cadence for our meetings – at first face to face, and by mid-March, via Zoom. I communicate biweekly with ACS staff through video briefings with Q&A. Based on our Safety core value, we recommended remote work to our staff. Later this was required by local government actions. This is still the case, as of early July.

Our Philadelphia National Meeting was terminated due to COVID-19, and many other event cancellations followed - including many ACS regional meetings. Virtual events began to fill the gap caused by in-person cancellations. Our Green Chemistry & Engineering (GC&E) Conference, scheduled for June in Seattle, became our first all-virtual conference. And our San Francisco National Meeting was similarly transformed into an entirely virtual event – thanks to terrific efforts by ACS volunteers and staff, alike.

Similarly, we have been able to transform a range of governance activities into virtual sessions. The Board of Directors, almost all governance committees, the Governing Boards for AACT and Publishing, and even our ACS Council have met virtually – in the case of some of these governance bodies, for the first time ever.

COVID-19 has led to a number of innovations for the member experience. New offerings and approaches have been numerous:

- Our weekly ACS webinars were expanded in number, to a high of five per week, with attendance often over 1000, at the height of the shutdown. Currently, we are hosting three webinars per week. Many of the webinars have treated the science of combatting COVID-19.
- A Linked-In Learning pilot was extended to members, with almost 11,000 taking advantage.
- We expanded eligibility for the dues waiver, to cover more members challenged by the pandemic.
- SciMeetings™ was introduced to create a permanent scientific record (with DOI) for science that was intended for presentation in Philadelphia. More than 2,400 presenters took advantage of this. SciMeetings™ will now be a standard offering for all presenters at future national meetings.
- Our annual GC&E Conference typically draws 600 attendees. As our first fully-virtual conference, we offered registration without charge, attracting almost 5,000 participants from 100 countries. Attendees urged ACS to provide some form of virtual access to all future GC&E conferences.
- Membership Affairs Committee (MAC) support made possible the test of ACS ‘Community’ memberships, at no charge. The Community membership was offered to non-ACS members who signed up for an ACS webinar. Nearly 10,000 participants requested this test membership. This was a significant factor in the growth of ACS membership to over 158,000, year to date.
- ACS has been dynamic in its communications related to the pandemic. ACS Publications has been supporting researchers and institutes through the COVID-19 crisis by providing free access to all research papers and articles relating to the virus. The Division’s ‘Chemistry in Coronavirus Research’ virtual issue has now recorded over 100K page views and over 437K impressions on social media. Articles published in *C&EN* have attracted significant readership, driving over a million users each month. CAS staff have authored two review articles on SARS CoV-2 that have appeared in *ACS Central Science*, and have been extensively down-loaded.

Following the shocking killing of George Floyd, ACS has undertaken multiple additional activities relating to our core value of Diversity, Inclusion and Respect, and combatting bias and systemic racism. This includes a powerful public statement by ACS President Luis Echegoyen, posted on [acs.org](https://acs.org) in both text and video format. We have conducted dozens of staff listening sessions and all-staff webinars on bias and racism. Black Lives Matter banners have been displayed on our Washington office buildings. Staff action plans are being developed. Our ACS journal editors and *C&EN* team are covering Diversity, Inclusion and Respect extensively. Notably, ACS has published a number of editorials including ‘Confronting Racism in Chemistry Journals’ which was signed by all Editors-in-Chief and co-published in every journal. ACS must be a stronger force in combating racism, within our staff, across our membership activities, and for the broader chemistry enterprise.

The 2020 U.S. National Chemistry Olympiad (USNCO) Study Camp was held virtually in light of the COVID-19 pandemic. Twenty students participated in the 12-day program, which included both social and academic activities. Lectures and problem-solving sessions were led by instructors from the University of Maryland, College Park and by members of the USNCO mentor team. In line with our core value of safety, no laboratory or in-person components were included, which mirrors plans for the International Chemistry Olympiad (IChO) competition this year. A team of four students and two alternates was selected for the IChO competition that will be a virtual exam to be held on July 25.

In closing, on the financial front, the Society’s finances remain solid year to date in spite of the challenges around COVID-19. Year over year comparisons are trending positively and investments in member focused programs, products and services continue to take center stage. The Society’s focus on cost discipline combined with a continued rebound in the capital markets will enable us to meet all five financial guidelines again.

Thomas M. Connelly, Jr.

**DRAFT**  
**MINUTES**  
COUNCIL POLICY COMMITTEE  
AMERICAN CHEMICAL SOCIETY  
Virtual  
March 24, 2020

The Council Policy Committee (CPC) of the American Chemical Society met virtually on March 24, 2020, beginning at 11:00 a.m. ET. Vice Chair Martin D. Rudd presided. Other voting members present were: Dee Ann Casteel, Bonnie A. Charpentier, H.N. Cheng, Thomas M. Connelly, Jr., Ella L. Davis, Lissa Dulany, Mark D. Frishberg, Anne M. Gaffney, Lydia. E.M. Hines, Will E. Lynch, Zaida C. Morales-Martinez, Sally B. Peters, Margaret J. Schooler, and Linette M. Watkins. Flint H. Lewis served as Secretary.

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

Report of the Subcommittee on Nominations

1. VOTED, in accordance with Standing Rule IV, Sec. 1, c, (1), that the Council Policy Committee approve as amended the list of potential candidates, as presented by the Subcommittee on Nominations, for election to the Committee on Nominations and Elections for a 2021-2023 term.

Approval of Minutes

2. VOTED that the Council Policy Committee approve the minutes of the August 27, 2019, meeting of the committee.

Report of Interim Actions of the Council Policy Committee

3. CPC 1-2019. VOTED to elect Dr. Martin D. Rudd as Vice-Chair of the Council Policy Committee for 2020.

4. The Council Policy Committee met by conference call on Thursday, November 21, 2019 and supported certain amendments to Standing Rules in the updated Petition on Benefits and Dues (Standing Rule I, Sec. 5, b, 9, 10 and Standing Rule II, Sec. 5, a).

5. CPC 1-2020. VOTED to cancel the in-person Council Meeting in Philadelphia.

6. CPC 2-2020. VOTED to have the Council Policy Committee vote ad interim on behalf of Council, for certain items on the Council agenda.

Reports of Subcommittees and Task Forces

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

Subcommittee chair Lissa Dulany began her report by discussing the *Petition on Benefits and Dues*. She stated that her subcommittee had reviewed the Petition, and had several questions regarding ambiguities in the wording of the Petition. The subcommittee decided to take no position on the Petition. Brian Mathes, Chair of the Committee on Membership Affairs was recognized to give a presentation to better explain the Petition.



B. Report of the Subcommittee on Long-Range Planning (LRP)

Subcommittee chair Linette M. Watkins began her report by stating that the Long Range Planning Subcommittee would be meeting virtually later in the day, at 1 pm ET. She mentioned that the ACS Handbook for Councilors would be distributed to all new Councilors and Alternate Councilors. Dr. Watkins reported that the subcommittee met virtually on February 27<sup>th</sup>, and received reports on various action items the subcommittee is pursuing. She concluded her report by stating that since the in-person Philadelphia meeting was cancelled, the New Councilor Orientation will be transitioning to a virtual format.

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

The Working Group chair, Martin Rudd, reported that the group held a strategic retreat in conjunction with the ACS Leadership Institute in January in Atlanta, Georgia. From the retreat, the Working Group developed three potential models for a future Council. In all models, there is an effort to achieve full representation within Council by all ACS members. Dr. Rudd will be consulting with the Committees on International Activities, Local Section Activities, and Divisional Activities to discuss how they can assist with including their constituencies into these models.

Summary of Councilor Travel Expenses

Dr. Rudd called attention to the summary of Councilor travel reimbursement for the fall 2019 national meeting, which was included in the committee's agenda.

Summary of Non-Councilor Travel Expenses

Dr. Rudd reported that the summary of travel expenses reimbursed for non-Councilors was available in the agenda for the committee's information.

Schedule of Business Sessions

The following schedule of activities at the fall 2020 national meeting will be held in San Francisco, California, on August 16-20, 2020. The schedule below is based on recent tradition by CPC and the Board of Directors.

Board of Directors:	Sunday, August 16
Council Policy Committee:	Tuesday, August 18
Council:	Wednesday, August 19

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.

Standing Committees of the Council: executive and open sessions to be set by each committee, with the concurrence of the Committee on Committees, provided that at least one executive session be set no later than Tuesday morning, 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.

Review of Council Agenda

Dr. Rudd called on Amber Hinkle, Chair of the Committee on Nominations & Elections to discuss a process to down-select four President-Elect nominees to two candidates. Dr. Hinkle explained how N&E would conduct a one-hour webinar with the four 2021 President-Elect nominees - including 3-minute opening remarks and moderated questions and answers before Councilors so that they could vote by electronic ballot prior to May 1, required by ACS bylaws.

7. VOTED that the Council Policy Committee call a Special Meeting of Council, for the sole purpose of conducting a Virtual Town Hall, to engage with the 2021 President-Elect nominees; with balloting to select the President-Elect candidates to occur electronically after the meeting; and with no other business in order at this Special Meeting.

Dr. Rudd then proceeded to review the Council Agenda, as it was published for the Philadelphia Council Meeting, and have CPC vote on which agenda items to include in the Meeting of CPC Acting Ad Interim for the ACS Council.

8. VOTED to have the Resolution Honoring Deceased Councilors included in the Ad Interim agenda.

9. VOTED to have the Approval of Minutes of the Council Meeting of August 28, 2019 included in the Ad Interim agenda.

10. VOTED to include the Committee on Committees' recommendations for continuation of the Committees on Patents and Related Matters, and Technician Affairs included in the Ad Interim agenda.

11. VOTED to include the Committee on Budget & Finance recommendation on 2021 membership dues to the Ad Interim agenda.

12. VOTED to include the Committee on Membership Affairs' Petition on Benefits and Dues to the Ad Interim agenda.

13. VOTED to include the Committee on Membership Affairs' 2021 Schedule of Membership to the Ad Interim agenda.

CPC and Council 2020 Budgets

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

There being no additional new business, the meeting was adjourned at 12:50 p.m.

Flint H. Lewis  
Secretary

DRAFT  
MINUTES  
COUNCIL POLICY COMMITTEE  
ACTING AD INTERIM FOR COUNCIL  
AMERICAN CHEMICAL SOCIETY  
Virtual  
April 7, 2020

The Council Policy Committee (CPC) of the American Chemical Society met virtually ad interim for the Council on April 7, 2020, beginning at 11:00 a.m. ET. Vice Chair Martin D. Rudd presided. Other voting members present were: Dee Ann Casteel, Bonnie A. Charpentier, H.N. Cheng, Thomas M. Connelly, Jr., Ella L. Davis, Lissa Dulany, Mark D. Frishberg, Anne M. Gaffney, Lydia E.M. Hines, Will E. Lynch, Zaida C. Morales-Martinez, Sally B. Peters, Margaret J. Schooler, and Linette M. Watkins. Flint H. Lewis served as Secretary.

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

Resolutions

The Council ADOPTED the following resolutions as presented by Council Policy Committee Vice-Chair Martin Rudd:

1. BE IT RESOLVED that the Board of Directors and Council of the American Chemical Society notes with profound sorrow the passing of their colleague and friend, Mary L. Good, a longtime dedicated and active member of the Society, remembering with admiration and deep appreciation her service to the Society as its president in 1987, Chair of the Board of Directors in 1978 and 1980, a member of the Board of Directors from 1972-1980 and from 1986-1988, a Councilor for 42 years, a member or chair of numerous ACS bodies, and a member of the Society for 69 years. Mary Good, the first woman to receive the ACS Priestley Medal in 1997, the Society's highest honor, was a tireless advocate for research funding to support advances in science and technology. She will be remembered during her time in the ACS Presidential Succession as a force for the promotion of chemistry to the public, and a determined sponsor of National Chemistry Day, which has now grown into National Chemistry Week. Throughout her distinguished career, she served at the highest leadership positions within academia, government and industry. The Society's members and leaders honor her memory and her contributions to chemistry and to the ACS, and extend sincere condolences to her family, colleagues, and friends.

2. BE IT RESOLVED that the Board of Directors and Council of the American Chemical Society notes with sorrow the passing of Halley A. Merrell, Jr., recalling with deep appreciation his service as a member of the Society for sixty years, including thirty-eight years in numerous key staff positions (1963-2001), culminating as Secretary of the Society (1998-2001). The Board and Council notes with respect and gratitude Halley's leadership in the creation and success of the Society's diversity program, his commitment to ensuring that the discussions of the Board were informed and thorough, and especially his experienced and candid counsel on the disposition of Society matters both great and small. The Board and Council honor the memory of his passion and commitment to the Society and its members, and offer sincere condolences to his wife Norma, their children and families.

3. BE IT RESOLVED That the Council Policy Committee, on behalf of the Council of the American Chemical Society commemorate the passing of the following Councilors, remembering them with respect and affection, and extending sincerest condolences to their families in their bereavement:

- Dr. Paul C. Scott, Retired program manager for the Office of Coal Resources, Department of Energy, and Councilor for the Fuels Chemistry Division from 1994 to 1995.
- Dr. Raymond O'Donnell, Retired chemistry professor at SUNY Oswego, and Councilor for the Syracuse Section from 1985 to 1993.
- Dr. Charles E. Cannon, Professor of Distinction – Chemistry at Columbia College, and Councilor for the Chicago Section 2001 to 2019.
- Dr. Ellen A. Keiter, Professor and Chair Emeritus at Eastern Illinois University, and Councilor for the East Central Illinois Section from 2001 to 2014.

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

#### Approval of Minutes

4. VOTED to approve the minutes of the August 28, 2019, meeting of Council.

#### Reports of Committees

##### A. Report of an Elected Committee of the Council

Carolyn Ribes, committee chair, reported that the ACS Standing Rules require that the Committee on Committees (ConC) review each Joint Board-Council and Other Committees of the Council no less than every five years and advise the Board of Directors and Council whether they should be continued.

5. VOTED, on the recommendation of the Committee on Committees, that the Committee on Technician Affairs, and subject to concurrence by the Board of Directors, the Committee on Patents and Related Matters, be continued.

##### B. Report of a Society Committee

Bill Greenlee, committee chair, reported that the Committee on Budget & Finance had met to discuss the ACS dues structure for the coming year.

6. VOTED, on the recommendation of the Committee on Budget & Finance, to set the 2021 dues at the 2020 rate of \$175.

##### C. Report of a Council Standing Committee

Brian Mathes, committee chair, reported that the Committee on Membership Affairs had met, and strongly supports the two actions before CPC. The Petition on Benefits and Dues will provide the Society much greater flexibility in attracting new members and providing greater value to members at different stages throughout their careers. The 2021 Schedule of Membership will allow one document to detail membership and benefits categories, and allow Council to approve the Schedule for each following year.

7. VOTED, on the recommendation of the Committee on Membership Affairs, to approve the Petition on Benefits and Dues be approved, contingent on the confirmation of the Board of Directors.

8. VOTED, on the recommendation of the Committee on Membership Affairs, to approve the 2021 Schedule of Membership, contingent on the confirmation by the Board of Directors on the Petition on Benefits and Dues.

New Business

Amber Hinkle, committee chair, explained how the Committee on Nominations & Elections will conduct a Virtual Town Hall with the 2021 President-Elect nominees. Dr. Hinkle reviewed the details of the Town Hall including length of remarks, the role of the moderator, how questions would be submitted and answered, and how the selection of candidates would be conducted afterwards.

9. VOTED that the Council Policy Committee designate the Virtual Town Hall for President Elect, 2021 as a Special Meeting of the Council, for voting Councilors to hear from the nominees in preparation for a Council Preferential Ballot to select two candidates for President-Elect 2021, and with no other business in order at this Special Meeting.

There being no additional new business, the meeting was adjourned at 12:03 p.m.

Flint H. Lewis  
Secretary

## REPORT OF THE COMMITTEE ON COMMITTEES

During its virtual meeting on March 24, 2020, the Committee on Committees (ConC) voted to endorse the Petition to Clarify Amendments to the Standing Rules, and voted not to take a position on the Petition on Benefits and Dues. ConC unanimously voted to rename the ConC Subcommittee on Diversity to the ConC Subcommittee on Diversity, Inclusion & Respect. ConC liaisons gave presentations on the committee appointment process and the new enhancements to the online preference form.

ConC also developed its recommendations for 2021 Chairs of the Council Standing and Other Committees that were approved by the ACS President-Elect on May 26, 2020.

Based on their performance reviews, ConC recommended to the Council Policy Committee, acting Ad Interim for the Council, that the Committee on Technician Affairs be continued and that subject to the concurrence by the Board of Directors, the Committee on Patents and Related Matters be continued. CPC approved both these recommendations. The ACS Board of Directors approved the continuation of the Committee on Patents and Related Matters.

Due to the termination of the in-person National Meeting in Philadelphia, ConC requested and CPC agreed to defer the recommendation to discontinue the Committee on Chemical Abstracts Service until the ACS Fall Meeting.

ConC voted in October 2019 to recommend to Council that it disband the Joint Board-Council Committee on Chemical Abstracts Service (CCAS). ConC reviewed CCAS for multiple cycles, and after numerous and thoughtful discussions came to the conclusion that most, if not all, of the responsibilities defined in the CCAS charter are already being performed by Chemical Abstracts Service (CAS) itself. CAS already has in place many tools to regularly communicate with ACS members, Society governance, and customers. These include: 1) quarterly meetings with the Governing Board for Publishing; 2) quarterly meetings with the ACS Board of Directors; 3) routine staff participation in ACS local section meeting and events; 4) daily CAS customer service inquiries; 5) customer service field representatives who meet regularly with customers; 6) global event participation with representatives fielding questions, engaging in product demonstrations, etc.; 7) formal and informal customer surveys; 8) proactively working with the Membership Division to understand ways CAS can interact with them to add value to membership; and 9) in collaboration with ACS Membership, SciFinder<sup>®</sup> Member Benefit program outreach. CAS plays a key role in supporting the overall financial operations of ACS. Cognizant of the importance to ACS while aware of threats from competitive organizations, CAS has become very dynamic its market analysis of its customer base that has led to new products, including those that are responsive to individual user needs. The ACS Governing Board for Publishing, a Board Committee, comprised of ACS members, experts, and business leaders also provides oversight and guidance to CAS. CAS has outpaced the need for committee support and the need for CCAS, and therefore the need for this committee has gone away. ConC values the time, talents, and energy of ACS volunteers invest in our committees and believes these investments should be impactful. With the continued growth and success of CAS over the years, a valuable and meaningful role for CCAS could not be found. This was not an easy decision for ConC, and we are making every effort to ensure that this recommendation to disband CCAS is managed with transparency and respect. If Council approves the recommendation, it will then go to the ACS Board of Directors for ratification.

Councilors and other interested members are invited to attend the committee's virtual open meeting on Monday, August 17, 2020, from 11:00 a.m.-12:00 p.m. to offer their views on any topics on the agenda, or other matters of interest.

ConC will also host two virtual interactive sessions for the Chairs and staff liaisons of all Council-related committees to discuss how ACS governance can be more welcoming and open to diverse populations. More details will be provided with the invitations.

At its virtual meeting in August, the committee will receive reports and consider recommendations from its subcommittees on leadership development; committee systems and structure; and diversity, inclusion & respect. ConC will also receive updates on scheduled performance reviews for the Committees on Analytical Reagents, Chemistry and Public Affairs; Community Activities; Environmental Improvement; Ethics; Minority Affairs; Public Relations and Communications, Science, SEED, and Women Chemists. ConC will continue developing recommendations for all 2021 appointments and reappointments for the Council Standing, Society, Other, and Joint Board-Council committees for consideration by the President-Elect and Chair of the Board of Directors.

ConC will also engage in a variety of recognition activities: (1) ConC liaisons will recognize the contributions of Committee Chairs who have served the statutory limit on the committee they Chair during their respective virtual committee meetings; (2) During the virtual Council meeting on August 19, 2020, ConC will recognize Councilors who will have served the statutory limit or have otherwise completed their service on committees at the end of 2020; and (3) Also at Council, ConC will recognize those Councilors observing significant anniversaries of years of service on Council.

Carolyn Ribes, Chair

Lisa M. Balbes  
Rodney M. Bennett  
Mitchell R.M. Bruce  
H. N. Cheng  
D. Richard Cobb  
Jacqueline Erickson  
Emilio Xavier Esposito  
Martha G. Hollomon

Diane Krone  
Jetty L. Duffy-Matzner  
Donivan R. Porterfield  
Robert A. Pribush  
Jason E. Ritchie  
Susan M. Schelble  
Stephanie Watson

Staff Liaison: Flint H. Lewis

**RECOGNITION OF SERVICE**  
**Council Meeting, August 19, 2020**

1. The following members will have served the statutory limit or have otherwise completed their service at the end of 2020 on the ACS governance committee shown below:

David S. Crumrine	Constitution and Bylaws
Virginia H. Songstad	Economic and Professional Affairs
Gary D. Anderson	Local Section Activities
Kathryn Louie	Local Section Activities
Gregory P. Foy	Meetings and Expositions
Silvia S. Jurisson	Meetings and Expositions
Martin D. Perry, Jr.	Meetings and Expositions
Julie L.P. Jessop	Membership Affairs
James F. Tatera	Ethics
Angela Hoffman	Project SEED
Jennifer B. Nielson	Education
Wendy D. Cornell	Chemical Abstracts Service
Kevin P. Gable	Chemical Abstracts Service
Annemarie D. Ross	Chemists with Disabilities
George H. Fisher	Community Activities
Ann C. Kimble-Hill	Minority Affairs
Mary J. Ondrechen	Minority Affairs
Ralph A. Wheeler	Science
Kirby B. Drake	Patents and Related Matters
Edgar A. Arriaga	Professional Training
Jeffrey N. Johnston	Professional Training
Richard W. Schwenz	Professional Training
Robert Y. Ofoli	Publications
Ronald D. Archer	Senior Chemists
Roger F. Bartholomew	Senior Chemists
Edel Wasserman	Senior Chemists
Samina Azad	Women Chemists
Juan C. Aponte-Santini	Younger Chemists
Katie J. Heroux	Younger Chemists
Mitchell R.M. Bruce	Committee on Committees
Jetty L. Duffy-Matzner	Committee on Committees
Robert A. Pribush	Committee on Committees
Linette M. Watkins	Council Policy Committee
Mamie W. Moy	Nominations and Elections
Eleanor D. Siebert	Nominations and Elections

2. The following committee chairs have served the statutory limit on the committee they chair:

Jennifer B. Nielson	Education
Judith Currano	Ethics
Don L. Warner	Project SEED
Kevin P. Gable	Chemical Abstracts Service
Ralph Stuart III	Chemical Safety
James Schiller	Chemists with Disabilities
Jens Breffke	International Activities
Ann C. Kimble-Hill	Minority Affairs
Kirby B. Drake	Patents and Related Matters
Edgar A. Arriaga	Professional Training
Kimberly A. Woznack	Women Chemists
Carolyn Ribes	Committee on Committees



3. Recognition of Council members for years of service on the ACS Council:

**Fifteen (15) Years**

Matthew K. Chan	Carolina-Piedmont	(2006-2020)
Catherine (Katie) T. Hunt	Ex Officio	(2006-2020)
Sheila Kanodia	California	(2006-2020)
Patricia A. Mabrouk	Northeastern	(2004-2012; 2015-2020)
Sarah M. Mullins	Minnesota	(2006-2020)
Carolyn Ribes	Brazosport	(2006-2020)
D. Paul Rillema	Wichita	(2006-2020)
Andrea B. Twiss-Brooks	Chemical Information	(2006-2020)

**Twenty (20) Years**

David S. Crumrine	Chicago	(2001-2020)
Richard Lomneth	Omaha	(2001-2020)
Kenneth Showalter	Northern West Virginia	(2001-2020)
Barry J. Streusand	Central Texas	(1996-2008; 2014-2020)

**Twenty-Five (25) Years**

Christopher Bannochie	Savannah River	(1996-2020)
Milagros Delgado	South Florida	(1996-2020)
Frank J. Torre	Connecticut Valley	(1996-2020)
Marinda Li Wu	Ex Officio	(2007-2020)
	California	(1996-2006)

**Thirty (30) Years**

Thomas R. Gilbert	Northeastern	(1990-2012; 2017-2020)
	Ex Officio	(2013-2015)
Willem R. Leenstra	Green Mountain	(1985-1989; 1996-2020)
Zaida C. Morales Martinez	South Florida	(1992-1999; 2004-2020)
	Florida	(1987-1991)
Mary Virginia Orna	History of Chemistry	(1991-2020)
Robert A. Pribush	Indiana	(1991-2020)

**Forty-Five (45) Years**

Roger Bartholomew	Corning	(1976-2020)
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This petition has been referred to the \***Committee on Committees**, Council Policy Committee, Committee on Constitution and Bylaws, and Society Committee on Budget and Finance. (\***Committee with primary substantive responsibility**)

For more information see [www.acs.org/govdocs](http://www.acs.org/govdocs) (click on petitions) or contact [bylaws@acs.org](mailto:bylaws@acs.org). If Council does not approve this petition for urgent action, the deadline for written comments is within thirty days after the August 2020 Council meeting.

## URGENT ACTION REQUESTED

### Petition to Clarify Amendments to the Standing Rules

#### BYLAW XI

##### Petition

We, the undersigned Councilors of the American Chemical Society, hereby petition to amend the SOCIETY's Bylaws as follows (additions **underlined**; deletions ~~struck through~~):

**REVISED**

**VERSION**

**FOR**

**COUNCIL**

**ACTION**

#### BYLAW XI

##### Amendments to the Standing Rules

To be adopted, any amendment(s) to the Standing Rules must be **reviewed by the committee responsible for the Governing Documents Function, to ensure consistency with the ACS Governing Documents,** approved by a majority of the Councilors voting **at a meeting of Council,** and confirmed by the Board of Directors. Such amendment(s) may come before Council in one of the following ways:

a. The committee responsible for a **the function pertaining to the amendment** shall approve the proposed amendment(s) at an official meeting by ~~at least~~ a majority affirmative vote followed **by review by the committee responsible for the Governing Documents Function, and** by Council action as noted above.

b. Any committee, ten voting Councilors, or 25 members shall submit proposed amendment(s) **by written petition** to the committee responsible for the function, ~~by written petition, with~~ at least five weeks prior ~~notice~~ to the committee's next official meeting. ~~That~~ **If the committee must approve the amendment(s) by at least a majority vote, the amendment(s) shall be sent to the committee responsible for the Governing Documents Function for review.** After ~~the meeting review, the~~ **that** committee shall send the amendment(s) to the Council for action.

c. If the amendment(s) are not approved by the committee responsible for the function, the decision may be appealed to the committee responsible for the Council Executive Function by written petition of 25 voting Councilors at least eight weeks **before** ~~prior to~~ the next Council meeting.

**REVISED**  
**VERSION**  
**FOR**  
**COUNCIL**  
**ACTION**

**(1)** If ~~at least~~ a majority of the committee responsible for the Council Executive Function approves **the amendment(s)** at an official meeting, then the amendment(s) shall **be sent to the committee responsible for the Governing Documents Function for review, go before being sent to the** Council for action.

**(2)** ~~If~~ If the committee responsible for the Council Executive Function does not approve the amendment(s), **the amendments shall be sent to the committee responsible for the Governing Documents Function for review, after which** an appeal may be brought to the Council floor for action if at least three-tenths (3/10) of voting Councilors at a Council meeting agree to its consideration.

### **Explanation**

Standing Rule V states that the Committee on Constitution and Bylaws (C&B) is responsible for the Governing Documents Function. The duties of C&B are listed in Sec. 1, b of this Standing Rule and include the following:

- a. review provisions of the Constitution, Bylaws, and Standing Rules and initiate such action as may seem appropriate; and
- b. interpret and initiate such action as may seem appropriate to eliminate conflicts in the Constitution, Bylaws, or Standing Rules.

However, the procedure in Bylaw XI for making amendments to the Standing Rules contains no provision for C&B's review before action by Council. This could lead to problems and inconsistencies within the Standing Rules.

The Standing Rules include many of the provisions that formerly were in the Bylaws. C&B's review was required for Constitution and Bylaw changes in the former version of the ACS Governing Documents and is still required for amendments to the Constitution (Article XIII, Sec. 2) and amendments to the Bylaws (Bylaw X, Sec. 2, a). To ensure consistency within all documents in the ACS Governing Documents, including the Standing Rules, it is imperative that Bylaw XI be amended and that Council approve this urgent action petition.

Signed:

Dr. Harmon B. Abrahamson	Ms. Sally B. Peters
Ms. Ella L. Davis	Dr. Carolyn Ribes
Dr. Mark D. Frishberg	Dr. Martin D. Rudd
Dr. Joseph A. Heppert	Dr. James M. Takacs
Ms. Lisa Houston	Ms. Andrea Twiss-Brooks
Dr. Will E. Lynch	Dr. Linette M. Watkins

(This petition has been referred to the **\*Committee on Committees**, Council Policy Committee, Committee on Constitution and Bylaws, and Society Committee on Budget and Finance.

**\*Committee having primary substantive responsibility**

**STATEMENT OF FINANCIAL IMPACT**

The Society Committee on Budget and Finance has examined this petition and concludes that it will have no impact on the finances of the Society (\$0).

**REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS**

The Committee on Constitution and Bylaws has reviewed the petition and finds it to be legal and consistent with other provisions of the Society's documents.

The intent of the petitioners is that amendment(s) to the Standing Rules must be reviewed by the committee responsible for the Governing Documents Function to ensure consistency with the ACS Governing Documents. This was an oversight in the new ACS Governing Documents, which requires such reviews for amendments to the Constitution and Bylaws.

Comments from committees, petitioners and other interested members on the substance of the petition should be directed to the Committee on Committees, which has primary substantive responsibility for the petition. Other comments may be directed to the Council Policy Committee or the Committee on Constitution and Bylaws.

A three-fourths (3/4) vote of Council that sufficient urgency exists is required to take immediate action at this meeting. If so voted, a two-thirds (2/3) vote of Council is required for approval of amendments to the Bylaws. If approved by Council, the amendments will become effective upon confirmation by the Board of Directors. If a three-fourths vote of Council to take immediate action is not attained, the petition will be presented for consideration only. In this case, comments and suggestions from committees, petitioners, and other interested members on the substance of the petition should be directed to the Committee on Committees. Other comments and suggestions may be directed to the Council Policy Committee or the Committee on Constitution and Bylaws.

Dr. Donna G. Friedman  
2020 Chair

This petition has been referred to the \***Committee on Committees**, Council Policy Committee, Committee on Constitution and Bylaws, and Society Committee on Budget and Finance. (\***Committee with primary substantive responsibility**)

For more information see [www.acs.org/govdocs](http://www.acs.org/govdocs) (click on petitions) or contact [bylaws@acs.org](mailto:bylaws@acs.org). If Council does not approve this petition for urgent action, the deadline for written comments is within thirty days after the August 2020 Council meeting.

**ORIGINAL**

**URGENT ACTION REQUESTED**

**Petition to Clarify Amendments to the Standing Rules**

**BYLAW XI**

**Petition**

We, the undersigned Councilors of the American Chemical Society, hereby petition to amend the SOCIETY's Bylaws as follows (additions **underlined**; deletions ~~struck through~~):

**BYLAW XI**

**Amendments to the Standing Rules**

To be adopted, any amendment(s) to the Standing Rules must be **reviewed by the committee responsible for the Governing Documents Function, to ensure consistency with the ACS Governing Documents**, approved by a majority of the Councilors voting, and confirmed by the Board of Directors. Such amendment(s) may come before Council in one of the following ways:

a. The committee responsible for a **the function pertaining to the amendment** shall approve the proposed amendment(s) at an official meeting by ~~at least~~ a majority affirmative vote followed **by review and edit by the committee responsible for the Governing Documents Function, and** by Council action as noted above.

b. Any committee, ten voting Councilors, or 25 members shall submit proposed amendment(s) **by written petition** to the committee responsible for the function, ~~by written petition, with~~ at least five weeks prior ~~notice~~ to the committee's next official meeting. ~~That~~ **If the committee must approve** the amendment(s) by ~~at least~~ a majority vote, **the amendments shall be sent to the committee responsible for the Governing Documents Function for review and edit.** After ~~the meeting review, the~~ **that** committee shall send the amendment(s) to the Council for action.

c. If the amendment(s) are not approved by the committee responsible for the function, the decision may be appealed to the committee responsible for the Council Executive Function by written petition of 25 voting Councilors at least eight weeks prior to the next Council meeting.

ITEM V, B(4)b  
Petition to Clarify Amendments to the Standing Rules

(1) If ~~at least~~ a majority of the committee responsible for the Council Executive Function approves the amendment(s) at an official meeting, then the amendment(s) shall be sent to the committee responsible for the Governing Documents Function for review and edit, ~~go before~~ being sent to the Council for action.

(2) ~~If~~ the committee responsible for the Council Executive Function does not approve the amendment(s), the amendments shall be sent to the committee responsible for the Governing Documents Function for review and edit, after which an appeal may be brought to the Council floor for action if at least three-tenths (3/10) of voting Councilors at a Council meeting agree to its consideration.

**Explanation**

Standing Rule V states that the Committee on Constitution and Bylaws (C&B) is responsible for the Governing Documents Function. The duties of C&B are listed in Sec. 1, b of this Standing Rule and include the following:

- a. review provisions of the Constitution, Bylaws, and Standing Rules and initiate such action as may seem appropriate; and
- b. interpret and initiate such action as may seem appropriate to eliminate conflicts in the Constitution, Bylaws, or Standing Rules.

However, the procedure in Bylaw XI for making amendments to the Standing Rules contains no provision for C&B's review before action by Council. This could lead to problems and inconsistencies within the Standing Rules.

The Standing Rules include many of the provisions that formerly were in the Bylaws. C&B's review was required for Constitution and Bylaw changes in the former version of the ACS Governing Documents and is still required for amendments to the Constitution (Article XIII, Sec. 2) and amendments to the Bylaws (Bylaw X, Sec. 2, a). To ensure consistency within all documents in the ACS Governing Documents, including the Standing Rules, it is imperative that Bylaw XI be amended and that Council approve this urgent action petition.

Signed:

Dr. Harmon B. Abrahamson	Ms. Sally B. Peters
Ms. Ella L. Davis	Dr. Carolyn Ribes
Dr. Mark D. Frishberg	Dr. Martin D. Rudd
Dr. Joseph A. Heppert	Dr. James M. Takacs
Ms. Lisa Houston	Ms. Andrea Twiss-Brooks
Dr. Will E. Lynch	Dr. Linette M. Watkins

(This petition has been referred to the \***Committee on Committees**, Council Policy Committee, Committee on Constitution and Bylaws, and Society Committee on Budget and Finance.

**\*Committee having primary substantive responsibility**

**STATEMENT OF FINANCIAL IMPACT**

The Society Committee on Budget and Finance has examined this petition and concludes that it will have no impact on the finances of the Society (\$0).

**REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS**

The Committee on Constitution and Bylaws has reviewed the petition and finds it to be legal and consistent with other provisions of the Society's documents.

The intent of the petitioners is that for any amendment(s) to the Standing Rules, these must be reviewed by the committee responsible for the Governing Documents Function, to ensure consistency with the ACS Governing Documents. This was an oversight in the new ACS Governing Documents, which requires such reviews for amendments to the Constitution and Bylaws.

Comments from committees, petitioners and other interested members on the substance of the petition should be directed to the Committee on Committees, which has primary substantive responsibility for the petition. Other comments may be directed to the Council Policy Committee or the Committee on Constitution and Bylaws.

A three-fourths (3/4) vote of Council that sufficient urgency exists is required to take immediate action at this meeting. If so voted, a two-thirds (2/3) vote of Council is required for approval of amendments to the Bylaws. If approved by Council, the amendments will become effective upon confirmation by the Board of Directors. If a three-fourths vote of Council to take immediate action is not attained, the petition will be presented for consideration only. In this case, comments and suggestions from committees, petitioners, and other interested members on the substance of the petition should be directed to the Committee on Committees. Other comments and suggestions may be directed to the Council Policy Committee or the Committee on Constitution and Bylaws.

Dr. Donna G. Friedman  
2020 Chair

## REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

During its spring virtual meeting, the Committee on Nominations and Elections (N&E) developed slates of potential candidates for election to the Committee on Committees (ConC) and the Council Policy Committee (CPC) for 2021-2023. The Council Policy Committee developed the slate of candidates for election to N&E. Information about the candidates and the elections appears in the Council agenda. At the fall Council meeting, Councilors will be asked to select members for the three Elected Committees of Council. N&E will formally announce the names of the candidates, and their photos will be shown on screen to assist Councilors with name recognition prior to voting.

The termination of the Philadelphia meeting in March meant that the Town Hall for the President-Elect 2021 nominees could not be conducted as usual. The committee agreed that it was crucial for the nominees to have a chance to speak before Council as well as address questions prior to the balloting. A Town Hall was held virtually in April. CPC designated the event a special meeting of Council to allow nominees an opportunity to offer a 3-minute speech and answer questions. An online preferential ballot to select two candidates for President-Elect, 2021 was conducted one week later. Both events were rated favorably by nominees and Councilors, and several suggestions for future virtual opportunities were received.

At the time of submission of this report for the Council agenda, N&E received notice that the ACS fall national meeting and exposition will be conducted virtually. The committee will now consider alternative plans for a moderated question and answer session featuring candidates running for Director-at-Large 2021-2023. N&E anticipates that a virtual Town Hall will be conducted prior to the fall national elections for all voting Councilors to hear from the candidates. Also, as is customary at the fall national meetings, arrangements will be made for members to meet the candidates for ACS President-Elect, either during the virtual national meeting and exposition or in the weeks immediately afterward. Additional information for these two events will be sent to all Councilors and widely advertised to the membership as soon as details become available.

While in executive session during its fall virtual meeting, the committee will receive reports or updates from its subcommittees on Standing Rules, N&E Operational Guidelines, and Preferential Voting. The committee will also develop slates of potential candidates for President-Elect, 2022; Directors-at-Large, 2022- 2024; and Directors, Districts I and V, 2022-2024.

N&E welcomes suggestions from Councilors of names of qualified members as potential candidates, with supporting rationale, for all elected ACS offices. Please send an email with your suggestions to [nomelect@acs.org](mailto:nomelect@acs.org).

Amber S. Hinkle, Chair

Allison Aldridge  
Michael Appell  
Christopher J. Bannochie  
Michelle Buchanan  
Alan B. Cooper  
Mary K. Engelman  
Alan A. Hazari

Neil D. Jespersen  
Thomas H. Lane  
Mamie W. Moy  
Silvia Ronco  
Eleanor D. Siebert  
Julianne Smist  
Frankie K. Wood-Black

Staff Liaison: Flint H. Lewis



REPORT OF THE COMMITTEE ON BUDGET AND FINANCE

The Society Committee on Budget and Finance (B&F) met via webinar on Saturday, March 21, 2020, to review the Society's 2019 financial performance and an initial assessment of the impact of COVID-19. The entire meeting was held in Executive Session. The Society ended 2019 with a net contribution from operations of \$39.7 million, on revenues of \$595.3 million and expenses of \$555.6 million. This was \$6.0 million favorable to the 2019 Approved Budget. Capital expenditures were \$40.5 million, which was \$1.8 million favorable to the 2019 Approved Budget of \$42.3 million. In addition, the Society ended the year in compliance with all of the five Board-established financial guidelines. The Society's overall financial position improved in 2019 with unrestricted net assets increasing from \$292.2 million at December 31, 2018, to \$408.9 million at December 31, 2019. The \$116.3 million increase in unrestricted net assets was driven by investment gains of \$65.7 million and the \$39.7 million net from operations.

In other actions, the committee elected Dr. Bryan Balazs as Vice Chair and voted to recommend to Council that the dues for 2020 remain at the current dues rate of \$175.00 versus the fully escalated rate of \$180.00. In addition, the committee received reports from the Subcommittees on Communications, Portfolio Evaluation and Optimization, and Financial Impacts of Constitution & Bylaw Amendments. The Subcommittees on Portfolio Evaluation and Optimization provided updates on the activities, schedules and processes for their 2020 activities. The Subcommittee on Financial Impacts of Constitution & Bylaw Amendments reported on the financial impact of one urgent petition up for action at Council. The committee received a report on the actual 2020 expenses for the Society's postretirement benefit plans as compared to the expenses included in the 2020 Approved Budget. Lastly, the committee received an update on the 2021 committee appointment cycle from the Committee on Committees.

William J. Greenlee, Chair

Bryan Balazs	Paul W. Jagodzinski
Christina C. Bodurow	Natalie A. LaFranzo
Peter K. Dorhout	Bonnie Lawlor
Carol A. Duane	Willem R. Leenstra
Dana Ferraris	Richard Lomneth
Kathleen Gibboney	Kristin M. Omberg
Joseph Heppert	Diane G. Schmidt
Rigoberto Hernandez	Marinda Wu
Tiffany N. Hoerter	

Associates

James C. Carver  
Richard S. Danchik  
Angela K. Wilson

Staff Liaison: Al Horvath

## REPORT OF THE COMMITTEE ON EDUCATION

This report updates the Council on SOCED's progress implementing the actions agreed on during its Spring 2020 meeting, and highlights significant accomplishments of the Society's education programs.

SOCED continues to fulfill its duty of developing reports and recommendations to the Board and Council on Society policies related to chemical education. The committee is considering ways to incorporate key aspects of two policy statements, the [Importance of Hands-on Laboratory Science](#) and the [Teaching of Evolution](#), into the [Science Education Policy](#) statement.

### **Primary and secondary education**

The team selected to represent the US at the [52<sup>nd</sup> International Chemistry Olympiad](#) to be held virtually on July 25 consists of:

- Anugrah Chemparathy, Dougherty Valley High School, CA, California Local Section
- Alex Li, Lexington High School, MA, Northeastern Local Section
- Ananthan Sadagopan, Westborough High School, MA, Central Massachusetts Local Section
- Alec Zhu, Lexington High School, MA, Northeastern Local Section

First and second alternates are Nicholas Tsao (St. Mark's School of Texas, TX, Dallas Fort Worth Local Section) and Michael Han (Dougherty Valley High School, CA, California Local Section). In response to COVID-19 digital exams were used and the study camp was held remotely, omitting the laboratory portions. More information can be found in the [article in the June 17 issue of C&EN](#), and updates can be obtained via social media with #USNCO.

The [American Association of Chemistry Teachers](#) (AACT) continues to grow with over 7,200 members, 89% of whom are K-12 teachers of chemistry. Of these, nearly 450 are student members, and nearly 350 are international members. The general resource library has nearly 850 lesson plans, labs, and demos. Selected items were made available to the chemistry community for teaching middle school, high school, and Advanced Placement/general chemistry remotely. Given the cancellation of the Biennial Conference on Chemical Education, summer virtual symposia are being organized to support the professional development of teachers of chemistry. In May, ACS moderated the National Consortium of Secondary STEM Schools virtual roundtable "Looking Ahead at Laboratory Experiences."

Access to other ACS resources was increased in response to COVID-19. [ChemMatters](#) expanded subscriber access to digital issues. [Chemistry in Context](#) is offering its [online interactive activities](#) for the 10<sup>th</sup> edition. [Chemistry at Home](#) was added to the ACS Website, bundling educational resources by topic - The Earth, Water, Food, Health & Your Body, and The Periodic Table - and putting a spotlight on the connection between chemistry and everyday life.

### **Post-secondary education**

Fourteen university departments have now been selected as partners in the [ACS Bridge Program](#), an initiative that seeks to increase the number of graduate students from underrepresented groups in the chemical sciences. Georgia Tech, The Ohio State University, The University of California San Diego and the University of Wisconsin-Madison are ACS Bridge Sites that will offer masters or post-baccalaureate programs which support students on their way to a PhD in the chemical sciences. Ten ACS Bridge Partnership Departments will also enroll students who have submitted their graduate school applications to the ACS Bridge Program, providing a supportive, bridge-like environment for students from underrepresented groups at California State University-Fresno, Florida Agricultural Mechanical University, Indiana University, South Dakota State University, Stony Brook University, The University of Alabama-Tuscaloosa, The University of Arkansas, University of Massachusetts at Amherst, The University of Michigan, and The University of Northern Colorado.

As part of the launch of [ACS Graduate Student Organizations](#) (GSOs), graduate students and existing graduate student organizations are invited to charter an ACS-GSO or affiliate with ACS.

At the end of May 2020, there were 18,300 ACS student members, compared to 18,800 at the end of May 2019. There are currently 402 active domestic student chapters (out of 1,194). There are also 83 international student chapters chartered in 28 countries, surpassing the 2020 goal of 70 chapters. National Meeting Travel Grants were not distributed due to the termination of the 2020 Fall ACS National Meeting. In the first half of 2020, International Student Chapter Activity Grants were suspended due to COVID-19.

In place of the many activities disrupted as a result of COVID-19, new programs were established, including informal Social Distancing Socials (one hosted by student chapter leaders), a Journal Club, and social media engagement campaigns for undergraduate and graduate students.

Sixteen [SCI Scholars](#) were selected from 115 applicants for ten-week paid industrial summer internships at one of 13 participating SCI companies. These undergraduate sophomores and juniors, who are majoring in chemistry or chemical engineering and have a minimum GPA of 3.5, also receive \$1,000 for professional development and a certificate. Many internships were canceled due to COVID-19 but virtual options were offered if available. All students still received their summer stipends.

The [New Faculty Workshops](#) originally scheduled for June and August are transitioning to a virtual event July 21-28, including additional attendees for selected workshop sessions. Virtual cafés have been held to support participants of recent workshops during the transition to remote instruction. The 2020 [Postdoc to Faculty Workshop](#) will also be held virtually, July 31-August 2. A new booklet *Tips for Securing a Faculty Position* shares advice from workshop facilitators.

Through these and other activities, SOCED is fulfilling its mission to develop and implement policies and resources to advance chemistry education and to connect its diverse communities.

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Staff Liaison: LaTrease Garrison

## REPORT OF THE COMMITTEE ON SCIENCE

This report updates the Council on ComSci's activities since holding its virtual meeting on March 21, 2020.

The Committee on Science (ComSci) voted to approve the new public policy statement on critical materials. Five public policy statements will be considered for action by ComSci during its meeting in August: Sustainability and the Chemical Enterprise; Science and Technology in the Budget; Visas for Academic Study and Scientific Collaboration; Scientific Integrity in Public Policy; and A Competitive U.S. Business Climate: Innovation, Chemistry and Jobs. Committee members are providing input on these statements in advance of the August virtual meeting. In addition, ComSci is leading the development of a fact sheet on synthetic drugs.

The committee is organizing a symposium on "Critical materials: Perspectives from the industry, government, and research communities" at the Fall National Meeting. ComSci is planning symposia on the plastics problem in San Antonio and the Sustainable Development Goals in Atlanta.

On behalf of ACS, ComSci submitted a nomination for the Grand Prix de la Fondation de la Maison de la Chimie, which is awarded biennially in even years.

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Matthew A. Fisher  
Diana Gerbi  
Brian R. Gibney  
Emily R. Grumbling

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Ralph A. Wheeler  
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## REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities (LSAC) is completing its review of the 2019 local section annual reports. LSAC reviewer comments for completed annual reports are available in FORMS. Local section officers and councilors are encouraged to read the reviewer comments and to provide responses, if applicable.

LSAC approved \$31k in funding to support 11 Innovative Grant Programs (IPGs) that were submitted as part of the Spring 2020 IPG cycle. In response to the COVID-19 pandemic, LSAC has implemented the following changes to its 2020 grant programs:

- Cancelled the 2020 Science Café minigrant program.
- Increased total funding and added a second review cycle for the Members Engaging Through Technology (METT) Grants (Application Deadlines: June 15 & October 15).
- Extended the submission deadline for the Fall 2020 IPGs to July 15, 2020.
- Instituted a temporary final report waiver for local sections (for events that were postponed or canceled due to COVID-19) to allow those sections to apply for LSAC grant funding in 2020.

This spring, LSAC was briefed on the recent activities of the Council Policy Committee's Future of Council Representation Working Group. Among items discussed were opportunities to ensure Council representation for approximately 4k members residing in US counties (territory) who are unassigned to any one local section. LSAC is examining existing procedures and/or opportunities to develop standing rule(s) to support the annexation of unassigned territory where ACS members may reside.

LSAC's Operations and Support Subcommittee is investigating the development of standing rules to allow LSAC (and/or other committees) to act as a proxy for local sections that are unable to meet their individual bylaw requirements due to vacancies in their executive committee leadership.

Local Sections that would like the assistance of LSAC are encouraged to email [lsac@acs.org](mailto:lsac@acs.org).

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Eileen M. DiMauro  
John Engelman II  
Nick O. Flynn

Elizabeth M. Howson  
Michael J. Kenney  
John Z. Larese  
Beth Lorschach  
Kathryn Louie  
Natalie L. McClure  
Kim M. Morehouse

Eileen M. Nottoli  
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### Consultant

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Staff Liaison: Mark D. O'Brien

## 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.

In response to the ongoing COVID-19 pandemic, CEPA has brought many of its services online, expanded offerings, and developed new services, including:

- Developed virtual Personal 1:1 Career Consultations that are now taking place with Members. Since the Spring 2020 National Meeting, 100+ Personal Career Consultations have taken place.
- Rolled out Virtual Office Hours (VOH), weekly sessions for Members to interact with Career Consultants and network with one another. We have been able to reach 300+ Members since this program launched in April 2020.
- Increased the amount of career-related webinars for Members. Five such webinars have taken place since the Spring 2020 National Meeting.
- Created Virtual Career Days to help reach Members with career resources. The first Virtual Career Day was conducted (for the Atlanta section) 5/2/20. A Virtual Career Day for young chemists in partnership with YCC will take place 6/27/20. In addition, a Virtual Career Day on the topic of preparing for/dealing with unemployment is under development.
- CEPA is developing a Mass Layoff Communication Plan for Members that have lost their jobs. The plan, created in June 2020, is currently being finalized by CEPA leadership.

Eric Bruton, Chair

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Lawrence Dennis  
Gregory Ferrence  
Matthew Greaney  
Allen Jones  
Edmund King

Rabin Lai  
Jim Landis  
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Staff Liaison: Tom Halleran

## REPORT OF THE COMMITTEE ON MEMBERSHIP AFFAIRS

The ACS Committee on Membership Affairs (MAC) remains focused on ensuring that our membership remains vibrant, relevant, and useful to chemical scientists and engineers worldwide. As we enter a new era for ACS with increased flexibility to more rapidly make changes to our membership, the committee is committed to working with Council in accordance of these goals.

With the enactment of the Schedule of Membership concept this spring, ACS has created a more robust process to make thoughtful changes to ACS membership, but a process does not do anything on its own. The next step is arguably more important as it entails creating, discussing, and enacting sound revisions to the benefits, dues, and discounts of ACS membership. Council called for such flexibility in our 2019 spring special discussion and over the coming months and years, MAC will be working with all stakeholders to propose changes for Council to consider.

If you have an idea for how we can change ACS membership for the better, we invite you to attend our open session this August to bring your ideas forward. We want to hear from our Councilors and Members concerning how we can specifically build a more inclusive and relevant ACS membership.

It remains important to note that the underlying trends that have buffeted membership this last decade have not ceased. We continue to face headwinds from changes to how younger chemical scientists, engineers, and allied professionals want to affiliate with ACS, which have resulted in decreased joins and decreased dues. The time to act for a better future is now.

As of the week of June 22, ACS has over 148,200 traditional members, a drop of over 4,000 members from our 2019 close. We have seen some slowing of new joins due to the pandemic, but our renewals have kept pace and we have seen limited usage of an employment impact waiver we rolled out in April. The latter two items are good news which belies muted impacts of the recession on the chemistry enterprise so far. While our impact from the COVID-19 catalyzed recession hasn't been too significant to date, the underlying trends of declines we've seen for at least a decade have continued unabated.

Better news is our official ACS membership number now stands at over 158,000 members (3.5% growth from 2019 close). The difference between this number and the previous number is it includes over 9,700 ACS Community Members.

What are Community Members? Community Members are ACS members that joined as part of an ongoing market test which MAC chartered in March 2020. For the first time, the technology underpinning ACS membership provided us an opportunity to offer different benefits to different members. Working with staff, MAC created a test of a sustainable membership concept which we believe will ensure a vibrant, inclusive, and robust ACS membership for this century.

It is important to note that Community Members only receive a handful of newsletters and five extra download tokens for C&EN articles per month at no cost. They do not receive the rest of our portfolio of membership benefits: full C&EN access, career services, publications downloads, SciFinder activities, webinar library access, meeting discounts, the ability to vote, etc. During this test period (enrollment runs through August 31, 2020), non-member registrants for an ACS webinar are offered the ability to opt-into be a Community Member. By design, the offer is not marketed and relies purely on the element of surprise.

While this is merely a test, the results have been very encouraging. The cost of sustaining this membership concept is minimal. These members were already ACS customers and already accessing ACS resources so attaching a name to these interactions costs us nothing. For example, 100% of them are webinar registrants that we were already serving and we have found initial evidence that 12% of them are ACS Publications authors and 85% were already known to ACS Publications.

The advantages of Community Membership are numerous. ACS has tens-of-millions of annual interactions with individuals and this concept presents an opportunity to bring a significant fraction of them into our membership tent. They are already aware of our membership but chose not to join prior. By inviting them in with a low barrier to entry, we all have increased opportunities to expand our networks and build a more representative and inclusive Society.

It also creates stickier customers with amplified loyalty to all things ACS. A more loyal meeting attendee, author, user, educator, etc. increases our bottom line and makes meeting our mission objectives easier. It also helps us build a robust pipeline of potential paying members. A normal acquisition costs ACS anywhere from \$100-\$300 while these conversions are a fraction of those costs. Only weeks into the test, we have seen 21 upgrades, which is beyond our forecasts for so early in the market test.

MAC will be closely reviewing this information as we work with ACS governance to propose concepts for 2022 ACS membership. The initial results are encouraging and we look forward to working with all of you to build a Society for the 21<sup>st</sup> century.

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

Brian Mathes, Chair

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Staff Liaison: Steven Meyers



## REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

Activities of the Committee on Meetings & Exposition Services are rooted in the Society's commitment to provide safe & unique platforms to exchange forward-thinking scientific research. The COVID-19 pandemic heightened the committee's emphasis on re-imaging meetings. The Department of Meetings & Exposition Services (DMES) took the lead to safeguard the Society's distinct position in providing scientific meeting opportunities. DMES led a virtual conference project team to identify and implement a virtual alternative to in-person events as we navigate the current unprecedented challenges brought on by the COVID-19 pandemic.

### Spring 2020 National Meeting

The Spring 2020 National Meeting was terminated on March 9, just nine days prior to the move in date. At that time, there were 12,551 registrants and 14,021 scientific contributions, including 8,576 oral sessions and 5,445 poster presentations.

DMES implemented an effectual agenda to issue full refunds to meeting registrants and exhibitors, and posted an FAQ page to the website. Staff stayed engaged with clients, vendors, and contractual partners, keeping them informed of decisions made to move forward.

In collaboration with ACS Publications and other ACS divisions, SciMeeting, a virtual science-sharing database, was developed for presenters whose abstracts were accepted to share their posters and presentations. To date, the number of submissions totals 2,419 with 42,595 views.

### ACS Fall 2020 VIRTUAL Meeting & Expo

The June 9 announcement that this year's fall meeting would be 100% virtual opened the door to synchronous and asynchronous ways to add value to the meeting. Lessons learned and operations changes implemented from the terminated Spring 2020 meeting have allowed the meetings team to pivot quickly and efficiently towards the virtual meeting.

Scheduled for August 17-20, the virtual platform will remain available for all registered attendees through August 28, 2020. To date, 7445 abstracts have been accepted.

### Exposition Services

Prior to the termination of the Spring 2020 National Meeting, staff had sold 371 booths to 238 companies, an increase over Spring 2019 final statistics. The Fall 2020 VIRTUAL Meeting & Expo will include a virtual expo with sponsorship as well as speaking opportunities. Exhibitor response to the virtual format has been positive and many companies have expressed interest in participating.

### Board Task Force on the Future of Meetings (TFFM)

As the task force seeks to develop strategies to re-define meetings, it has partnered with staff and clients to assess current national meeting activities, trends, and opportunities. The COVID-19 pandemic and ACS' response in going virtual has fast tracked some of the items that were likely to be on the list of recommendations and reset expectations across the meeting industry and chemistry enterprise. While virtual meetings have shifted from a future goal to our current reality, the committee continues to pursue additional themes and areas of opportunity that include the shifting demographics and needs of attendees and presenters due to external forces, cost controls/pressures, attendee experience and meeting format alternatives. Considerations for conferences of the future will migrate from sheer size to availability of reliable cutting-edge technology to support live and virtual attendees and the associated resources to support them.

### Specialty Meetings

The COVID-19 crisis resulted in the termination or rescheduling of seven specialty meetings. Through careful negotiations with venues and vendors, DMES staff was able to confirm that for all seven meetings there was no financial penalty for the changes to the contracts, which resulted in total elimination of cancellation fees.

The 24<sup>th</sup> Annual Green Chemistry & Conference was the Society's first to use the virtual construct selected by the virtual conference project team. Organizers had just two months to make the transition from in-person to virtual. The conference, which took place June 15-19, also moved from fee based to no cost.

- Participation for the week exceeded 4,900 persons
- Over 400 scientific papers were presented through pre-recorded oral and poster presentations
- Five live key-note addresses were presented
- Pre-recorded and live interactions were held by 12 sponsors and 12 exhibitors
- A total of 72 live discussions were held to discuss the technical presentations

The conference's success is an excellent barometer of what we can expect for our meeting offerings in the near and extended future.

### Regional Meetings

Three of the seven scheduled regional meetings were terminated this spring because of COVID-19. All of the scheduled three spring regional meetings were terminated, however, the three scheduled for this Fall: Southwest/Southeast Joint Regional Meeting, Midwest Regional Meeting, and Rocky Mountain Regional Meeting are continuing as planned.

The Regional Meeting subcommittee and DMES staff continue to create and implement resources to support local section volunteers.

- The Regional Meeting Planning Conference (RMPC), again in conjunction with the Leadership Institute, which took place in January in Atlanta, included a meeting of the Regional Board Chairs.
- An April 9 town hall hosted by the Office of Regional Meetings included ACS staff, Regional Meeting board chairs and organizers to discuss ACS-supported events during the COVID-19 pandemic.
- A legal guidance was drafted and provided to assist Divisions, Local Sections and others planning in-person ACS-supported events that are being altered as a result of the COVID-19 Pandemic.

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## REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

In its meetings following the termination of the Philadelphia National Meeting, the Committee on Divisional Activities (DAC) received updates from the Chair on issues associated with the termination of the Philadelphia National Meeting due to the COVID-19 pandemic. The Multidisciplinary Program Planning Group reported that the theme for Philadelphia, “Macromolecular Chemistry: The Second Century”, will be moved to the Spring 2021 meeting in San Antonio. It was subsequently learned that the Fall meeting would be entirely virtual.

Building on the committee sponsored 2019 Spring/Fall Program Chairs Breakfast meetings, the purpose of which was to provide a venue for the program chairs to collaborate on programming, and discuss programming needs and aspirations, DAC started hosting in May a series of bi-weekly online Program Chair meetings. With the move to a fully virtual national meeting, the participant list was expanded to include division chairs, committee programming chairs and staff. The well-received bi-weekly question-and-answer meetings focused on Fall meeting preparations and concerns.

DAC is reviewing the impact of the Spring Meeting termination and the move to a fully virtual Fall meeting on division allocations. A significant component in the formula used is based on national meeting and half-day technical session attendance. The committee will seek ways to minimize the impact of the 2020 Spring/Fall meeting changes. One suggestion under consideration would use an average of past meeting data to calculate allocations for 2021.

In other matters, the committee is using a new scoring rubric to evaluate Fall Innovative Project Grant (IPG) proposals. The new scoring rubric was distributed to divisional leadership, posted on the IPG submission site, and implemented in evaluating the next round of submissions. The deadline for Fall IPG applications was July 15, 2020. IPGs for innovative project and for division strategic planning will be evaluated at its August meeting. The next IPG deadline is February 15, 2021.

The committee seeks ways to enhance collaborative programming between divisions on emerging topic areas. It approved pursuing a 2021 pilot of Convergence Research Communities and is soliciting group proposals this year.

The committee wishes to acknowledge the outstanding efforts of the divisions and the Multidisciplinary Program Planning Group in organizing and reorganizing to deliver a wide range of excellent programming in support of the Fall 2020 theme: “Moving Chemistry From Bench to Market”.

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Lauren Jackson

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Staff Liaison: Kevin McCue

## REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS

Since its spring meeting, which was held virtually, the Committee on Constitution and Bylaws (C&B), acting for the Council, issued certified bylaws to the Northeastern and Richland Local Sections. C&B also reviewed four proposed bylaws. Certified bylaws are available at [www.acs.org/govdocs](http://www.acs.org/govdocs) (click on unit bylaws). To update your bylaws, contact us at [bylaws@acs.org](mailto:bylaws@acs.org) and we will be happy to send a Word document of your current bylaws to the Chair or Secretary. At the web link, use either the model bylaws or the questions document, and send either one to us, along with any language from your current bylaws, if you wish, for C&B's review. Contact us if you have any questions or need assistance.

The ACS Governing Documents, which are effective as of May 1, 2020 and available at [www.acs.org/govdocs](http://www.acs.org/govdocs), were amended per the Petition on Benefits and Dues and the new Schedule of Membership. The Petition to Clarify Amendments to the Standing Rules, which proposes amendments to the Bylaws, will again be up for urgent action by Council at the fall meeting.

Petitions to amend the Standing Rules are handled differently than petitions to amend the Constitution and Bylaws. As requested, C&B reviewed a petition from the Committee on Nomenclature, Terminology, and Symbols, which decided to withdraw its petition. Guidelines to amend the Constitution and Bylaws are in the ACS Governing Documents at [www.acs.org/govdocs](http://www.acs.org/govdocs). Guidelines to amend the Standing Rules are also available at this link.

New petitions to amend the Constitution or Bylaws must be received by the Chief Executive Officer ([bylaws@acs.org](mailto:bylaws@acs.org)) by **December 2** to be included in the Council agenda for the spring 2021 meeting in San Antonio, Texas. We will be happy to assist with wording the petition and other requirements; please send your draft to us before you start collecting signatures, preferably one to two months before this deadline. For petitions to amend the Standing Rules, please refer to those guidelines at the above link.

ACS members are invited to attend C&B's open meeting on Sunday, August 16, from 1:00 - 1:20 pm. The committee will give a brief status report and will be happy to respond to your questions. If you cannot attend the meeting and have any questions, please contact us at [bylaws@acs.org](mailto:bylaws@acs.org).

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Semih Eser

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Virgil J. Lee  
Kathryn Lysko  
James M. Postma

J. David Stickler  
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### Consultants

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Staff Liaison: Barbara F. Polansky

A. Younger Chemists  
(joint with Board)

The Younger Chemists Committee (YCC) has maintained momentum this year towards achieving our Strategic Plan goals. The YCC held its first virtual Committee meeting on Saturday, March 21<sup>st</sup>. The meeting featured a general Committee session followed by three subcommittee (Membership Engagement, Communications, and Governance, Interface, and Outreach) breakout sessions. Feedback for the virtual format was positive, and Committee members appreciated the opportunity to connect and continue working together on upcoming initiatives. The Committee also recently created a YCC Quarantine Cookbook, featuring over 30 recipes that Committee members have experimented with during the pandemic.

In May, the YCC partnered with the ACS Webinars team to transform a planned Philadelphia symposium, “Navigating Mental Health and Graduate School,” into a highly successful webinar with 406 attendees, 86% of whom rated the broadcast as favorable. The team rapidly pivoted the content to the virtual format, and was a great example of how collaboration and communication can enable virtual events. During this unprecedented time, our membership has been very interested in exploring existing and expanded career development tools. The YCC submitted a Global Career Consultants program proposal in collaboration with the Committee on Economic and Professional Affairs (CEPA), with support from the Local Section Activities Committee (LSAC), Membership Activities Committee (MAC), and International Activities Committee (IAC). The program seeks to identify, train, and engage the next generation of Career Consultants, and if successful, will expand access to the Career Consultants program for international members. In June, the YCC and ACS Career Navigator LIVE sponsored the first Virtual Career Day designed specifically for recent graduates and early career chemists. The Virtual Career Day featured interactive workshops on digital networking and tips for landing your first job, as well as networking sessions facilitated by ACS Career Consultants.

As we look forward to another virtual Committee meeting in the fall, the YCC has transitioned several events and symposia into a virtual format. The YCC will host the traditional panel discussion “How to Get Your First Industrial Job” in collaboration with the Division of Professional Relations (PROF), as well as a new symposium, “Raising Next-Generation Entrepreneurs Towards a Globally Sustainable Future,” with the International Younger Chemists Network (IYCN). The symposium will highlight entrepreneurial activities across the chemical sciences that have been successfully translated from the bench to the market through several presentations and a live roundtable discussion. The always-popular YCC Fun Run (sponsored by Dupont) will also be held as a virtual event the weekend before the National Meeting. In addition, please keep an eye out for a virtual YCC Social the Saturday after the meeting. The YCC and Senior Chemists Committee (SCC) are also exploring options for a virtual “Networking with Chemical Professionals” event during the fall meeting.

Several additional YCC initiatives are ongoing in support of our mission to advocate for, develop, and support rising chemists to positively impact their careers, the ACS, and the future of chemistry. Our Local and Regional Affairs working group streamlined their grant application process and awarded three Local Section YCCs with programming grants. The National YCC also contacted Local Section YCC Chairs to provide support and tips for hosting virtual events during this time. Our annual Catalyze the Vote initiative will take place on October 8<sup>th</sup> as an ACS webinar. Both ACS President-Elect candidates will have an opportunity to participate in a live virtual Town Hall and answer questions regarding their platforms and issues of importance to younger chemists. We will again be partnering with the ACS Webinars team to deliver this content to a broader audience. Please mark your calendars for this exciting event!

You can find more information about our activities on our website (<http://acsycc.org>). We also regularly update our social media platforms ([Facebook](#), [LinkedIn](#), [Instagram](#), and [Twitter](#)) with relevant programming information. The YCC is always happy to support your initiatives through our social media channels. We look forward to a successful fall meeting and collaborating with you in the future.

Kristin Nuzzio, Chair

Juan C. Aponte-Santini  
Ashley M. Blystone  
Michelle Brann  
Christine E. Dunne  
Katie J. Heroux  
Joseph Houck  
Katherine Johnson  
John Kelly  
Chris Miller

Logan Miller  
Jackie J. O'Neil  
Stephanie K. Ramos  
Marisa B. Sanders  
Jennifer Schmitt  
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Tejas Shah  
Dominique Williams

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Tabbatha Bohac  
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Felicia Lucci  
Bailey Mourant  
Yuzki Oey  
God'spower Onyenanu

Brent Powell  
Cassandra Reese  
Stephanie Santos-Diaz  
Kelsey Williams  
Amber Wilson

Consultant

Allison Campbell

Staff Liaison: Michael David

B. Women Chemists  
(joint with Board)

The vision of the Women Chemists Committee (WCC) is ‘Empowering Women Chemists’. The WCC’s mission is to attract, retain, develop, promote, and advocate for women to positively impact diversity, equity, and inclusion in the Society and the profession.

As many other ACS units have done, WCC has sought ways to continue to carry out our strategies aimed at achieving our mission in a virtual world. WCC has continued our competitive awards programs during 2020. Winners of the awards, such as the WCC/Eli Lilly & Company travel award and the Merck Research award, were encouraged to continue to participate in the virtual meeting, while they were also invited to use their award funding to attend an ACS national meeting in 2021.

The WCC has three major events planned during the Fall 2020 Virtual National Meeting:

- On Sunday, August 16<sup>th</sup>, WCC in collaboration with the Committee on Minority Affairs (CMA) will be hosting a Wikipedia Edit-a-Thon. It is well documented that among scientists, specifically chemists, with biographies on Wikipedia, women are vastly underrepresented when compared to their representation among ACS members. For more information about this phenomenon see C&EN article: <https://cen.acs.org/careers/women-in-science/Wikipedias-women-scientists/96/i37#:~:text=At%20the%20forefront%20of%20the,scientists%2C%20both%20living%20and%20dead.>
- This event, which empowers ACS members to be part of the solution, will take place virtually, from 16:00-19:00 PDT. The event will provide some guidance on how to author and edit scientist biographies on Wikipedia. Pre-registration is required. <https://www.eventbrite.co.uk/e/wikipedia-edit-a-thon-tickets-101542400052>
- The WCC Merck Research Award Symposium will take place as planned during the virtual national meeting. The eight talented awardees will each present their work.
- The WCC also will host a half-day session, which is a collaboration with CMA, and nominally co-sponsored by the Division of Professional Relations, and tied to the Fall 2020 thematic program, “Diversity and Inclusion in Bench to Marketplace Chemistry” in the virtual format.

The WCC is continuing discussions on launching virtual events that allow for us to engage a large population of members outside of the national meeting setting. Please be sure to follow WCC on social media (Facebook, LinkedIn, Instagram) in order to get the latest updates on future WCC virtual events.

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### C. Technician Affairs

The ACS Committee on Technician Affairs (CTA) meeting is on Sunday, August 16, 2020 via conference call. In the spring, the committee met, with a quorum, on Sunday, March 22, 2020 in a GotoMeeting conference call with a shortened agenda. The subcommittee meetings were conducted in separate calls with two held on Sunday, March 22, 2020, and the third held the following Tuesday, March 24, 2020. The committee voted in session to approve the Petition on Benefits and Dues.

CTA awarded the 2020 National Chemical Technician Award to John Stelter of 3M Corporation. We were told that his award will be presented to him by his management at 3M due to the termination of the Philadelphia National Meeting. We will invite John to the 2021 NCTA luncheon. The March 21, 2020 C&EN article highlights John Stelter's accomplishments. CTA awarded three Young Chemists for the YCC/CTA Leadership Development travel award to attend the Leadership Institute in Atlanta, in January 2020. We received positive feedback from the awardees on their experience.

The CTA Professional Development Subcommittee is planning a CTA program symposium discussion. The invited panelists will share their career experience with the chemical technical professionals and persons interested in the chemical industrial career field. A video discussing broadly the CTA committee "What the CTA can do for the Chemical Technical Professional" is tentatively slated for August.

Stakeholders Outreach Subcommittee surveyed possible stakeholders, generated a list of the job titles and descriptions, and plans to use the information for awards and other future activities development. The subcommittee is working on connecting other committees and divisions with CTA.

The committee is continuing to ensure success to serve the chemical technical professional stakeholders by planning an updated strategic planning session in 2021.

CTA is seeking nominations for the Travel and YCC/CTA leadership awards, and 2021 National Chemical Technician Award. The annual awards are a way to recognize the outstanding career achievements of exceptional chemical technical professionals.

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

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D. Senior Chemists  
(joint with Board)

The Senior Chemists Committee (SCC) continues to make progress toward achieving its vision to improve lives using the knowledge and experience of senior chemists. The SCC Awards Subcommittee started the year, in partnership with the Business Development and Management Division, with its nomination for the ACS Fellows program. Two local sections have been selected to receive SCC ChemLuminary Awards this year for the Best Ongoing Senior Chemists Activity and Best New Senior Chemists Activity. Seven local sections received funding from the SCC Mini-Grant Program and were provided information on how to succeed with planning events using virtual platforms, which has become a new norm. SCC's efforts to recognize 70-year plus members is still being achieved. Local sections have presented 280 certificates this year; a total of 874 certificates have been presented to this group since the inception of the program that was spearheaded by SCC in 2017.

"The New World for Senior Chemists" was the title of the SCC Comment featured in the June 22 issue of *Chemistry & Engineering News*. The article highlighted the resilience of senior chemists, and things learned and observed amidst the COVID-19 pandemic. Senior chemists were encouraged to join discussions on the "Senior Chemists on the Move" Group on the ACS Network and share their perspectives on the pandemic. "Supporting Excellence in Education & Making a Difference" was the headline for the spring issue of *The Newsletter for Senior Chemists*. The issue achieved a 43.1% opening rate (20,615) and featured articles on senior chemists' involvement with the ACS Science Coaches, the ACS Mentors Program, and contributions made by George Washington Carver and St. Elmo Brady.

Goal 1 of the SCC strategic plan is to develop avenues to expand communications and promotions to enhance awareness of senior chemists' activities. The strategy for doing so is to develop a training plan for social media, virtual communication, and other technical methodologies (e.g., how to participant on the Senior Chemists on the Move Network Group, and how to use Zoom and Facebook). After the ACS Spring National meeting cancellation, SCC decided to move forward with this goal and developed an "at a glance" module on "How to Zoom" to encourage the engagement of senior chemists during the coronavirus pandemic. SCC also prepared a document on how to host virtual meetings and have planned practice sessions. SCC believes that this is good time to help senior chemists stay connected.

The committee will be participating fully in the ACS Fall National Virtual Meeting. SCC will host a two-hour virtual meeting on Monday, August 17, is co-sponsoring a symposium on Planning Retirement with the Divisions on Professional Relations and Small Chemical Businesses, and is a participant for the ACS Virtual Expo. SCC is also planning a "coffee hour social" with keynote speakers in partnership with the ACS Development Office. The event will focus on the impact COVID-19 and systemic racism has had on ACS. Plans are underway to host a networking event for chemistry professionals and undergraduates virtually. SCC is working with the Younger Chemists Committee and the Undergraduate Programs Advisory Board on this effort.

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Lawrence Barton  
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Donald D. Clarke

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E. Publications  
(joint with Board)

The Joint Board-Council Committee on Publications (JBCCP) met and discussed the following:

The committee voted unanimously to elect Jerzy Klosin as vice-chair, who will serve in this capacity from March 20, 2020 to December 31, 2020.

The Committee on Committees (ConC) liaison to the committee discussed the 2021 committee appointment process and shared with the committee some new enhancements to the online committee preference form.

The journal monitoring reports for *ACS Sensors*, *Chemistry of Materials*, *ACS Pharmacology & Translational Science*, *ACS Catalysis*, and *ACS Combinatorial Science* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations to the ACS Board were made.

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Paula Diaconescu  
David A. Dixon  
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F. Public Relations and Communications  
(joint with Board)

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

- CPRC approved a refreshed strategic plan at its March virtual meeting. The plan was developed during the strategic planning retreat, held in February 2020.
- The committee has shared a communications template to help ACS members and groups create regular, strategic and organized communications.
- CPRC will delay its reception for the Grady-Stack winner until the spring 2021 ACS National Meeting & Expo, and we are working with the 2020 winner to determine when to hold the award symposium.
- CPRC Public Relations Makeover Initiative is soliciting requests for help from local sections, divisions and committees. The makeovers are led by the PR Makeovers Working Group. Interested groups should contact us at [CPRCMakeovers@gmail.com](mailto:CPRCMakeovers@gmail.com).
- Any section that needs help communicating with public audiences is urged to contact CPRC staff liaison Sue Morrissey, ACS Director of Communications, for assistance ([s\\_morrissey@acs.org](mailto:s_morrissey@acs.org)).

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### G. Project SEED

The year 2020 brought a number of changes for the Committee on Project SEED. January welcomed the new Project SEED database – allowing high school students to apply to Project SEED online. Over 670 students started online applications between the application launch and the extended deadline. This new online application helps to connect the nearly 100 site coordinators with a broadened pool of applicants, alerts staff and the committee to geographic regions with expressed student interest, but no nearby Project SEED sites, and unexpectedly, helped this year’s program quickly shift to a virtual model as COVID-19 led to the cancelation of in-person research projects. There was also an incredible 571 students requested in proposals from 86 Project SEED sites.

During the Spring executive meeting (held virtually), the committee held a discussion with subject matter expert, Erica Greenberg from the Urban Institute, on poverty in America, and student financial eligibility, including expanded methods of demonstrating eligibility. The committee also selected the ChemLuminary finalists for 2019 Project SEED activities: California Local Section, Central New York (formerly Syracuse), Indiana Local Section, and Puerto Rico Local Section. During that meeting, the committee approved 469 students at nearly 86 Project SEED sites, with increased stipends of \$3,200 for first-time participants (up from \$2,500) and \$3,800 (up from \$3,000) for returning students.

Late April, the Project SEED Committee met again and voted to cancel in-person research due to COVID-19, opting instead to press forward with a Virtual Summer Camp, selecting the 325 participants from the pool of students that had already started applications.

The virtual summer camp, held July 6-31, sought to achieve three objective areas for the participating students:

- (1) Research basics and preparedness
- (2) Professional development and college readiness
- (3) Exposure to chemistry-related career pathways

Students participated in weekly webinars, virtual panels, and discussions, complete assignments centered around the three objectives, and participated in a virtual conference the final week. Upon completion of these activities, students were paid a stipend of \$1,000. To ensure that the students were receiving meaningful and regular feedback on their work, the committee selected 64 undergraduate and graduate students to serve as Cabin Leaders. They were responsible for meeting with the students regularly, grading weekly assignments, and generally setting the tone for the camp. Each Cabin Leader was paid \$1,500 for completed work. Two to three cabins were managed by an ACS Volunteer (those that would have otherwise served as Project SEED Coordinators and/or Mentors).

It is the committee’s hope that Summer 2021 will bring a return to in-person research with increased participation from returning students.

Project SEED credits the numerous contributions from industry, academia, ACS local sections, ACS members, and the Project SEED Endowment.

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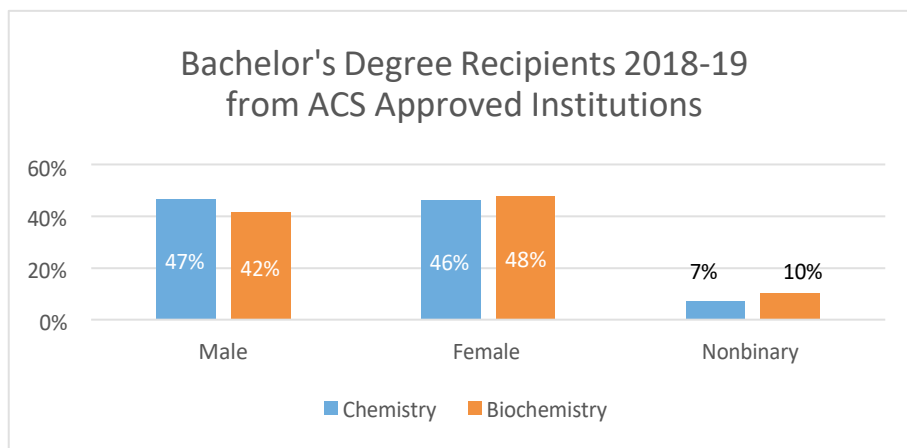
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### H. Professional Training (joint with Board)

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 2018-19, these programs graduated over 14,000 students with bachelor's degrees in chemistry and over 10,000 students with bachelor's degrees in biochemistry.



During its spring 2019 meeting, which was held virtually due to the coronavirus epidemic, five programs applying for approval met with CPT subcommittees. These virtual meetings were the first of their kind and resulted in four of five of these institutions being recommended for site visits. We are exploring ways to complete the site visits virtually as most programs will not return fully to face-to-face instruction until late 2020 or early 2021. An additional 13 reports were also reviewed utilizing a virtual format.

**Guidelines Revision:** CPT's mission continues to be 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. These revisions are focused on increasing flexibility to encourage innovation in the curriculum. Modifications to the current guidelines include a focus on the development of hand-on laboratory skills and professional competencies, flexibility in the way that faculty workload is assessed that is equitable while preserving department learning outcomes and professional development, and ensuring that departments embrace inclusive educational practices. The revised guidelines are expected to be published late in 2021.

**Faculty Workload:** A Blue Ribbon panel was convened in January 2020, to understand how faculty workload can be measured effectively. The recommendations of this panel, which consisted of 20 members of the larger chemistry community with a broad array of academic titles and who came from a representative cohort of institutions, were discussed during the virtual meeting in March. To address concerns related to implementation raised at the meeting a small working group prepared a proposal to assessment of workloads variations. These criteria were presented at the first summer session meeting in June and CPT voted unanimously to accept the recommendations and the assessment criteria.

**Global Activities:** In support of the ACS's vision for 2030, a "Bigger and Better ACS," the committee has commissioned a working group charged with exploring the options for the evaluation of undergraduate chemistry programs internationally. This committee has been working to identify the key indicators of recognition and accreditation in non-U.S. environments. As part of a pilot, the working group has asked a small group of international institutions to prepare an application for review by CPT. We expect to have a decision on these applications by the 2021 spring meeting in San Antonio.

**Improvements to the Approval and Review Process:** In 2019, the committee voted to suspend the submission of periodic reports and delay the submission of annual reports in anticipation of the deployment of a new online reporting and reviewing system. The new system, CPARS (Chemistry Program Approval and Review System) has now been used for an entire cycle of pre-applications, applications, and annual reports. The first periodic reports were submitted in 2020. A full return to the standard reporting calendar is expected by January 2021. This system will increase the efficiency of the process and provide a better user experience for both institutions and reviewers.

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I. Patents and Related Matters  
(joint with Board)

The Committee on Patents and Related Matters (“CPRM”) provides information and guidance about patents and other important intellectual property issues. CPRM seeks to reform and improve the patent system. CPRM monitors ongoing Congressional proposals to amend the Patent Act. On this issue and others, CPRM continues to identify opportunities for ACS to advocate on the importance of intellectual property guided by ACS policy. One way that CPRM stays informed about legislation that may impact intellectual property and the chemical enterprise is through Act4Chemistry, ACS’s legislative network. If you are not already a member of the network, please join.

CPRM has created – and continues to develop – numerous educational materials to inform ACS members and the public about intellectual property as well as possible careers in intellectual property. The committee has completed its revised version of the “What Every Chemist Should Know about Patents” booklet. CPRM is strategizing about use of webinars and social media to further its educational mission and reach more people. CPRM’s educational materials are available on its website, and CPRM welcomes suggestions on other areas in which it can provide education.

CPRM also proposes nominations of notable inventors for several external awards recognizing chemists and chemical engineers and is reaching out to Divisions to identify potential nominees, as they have more direct knowledge of inventiveness in their respective fields. We are very pleased to report that as the result of CPRM’s efforts, Dr. Margaret Wu, ExxonMobil Emeritus Senior Scientific Advisor, and 2007 recipient of the American Chemical Society Industrial Chemist Award, has been selected as one of the 2020 inductees into the National Inventors Hall of Fame. We welcome any nominations or input on possible nominations.

CPRM continues to collaborate with the U.S. Patent and Trademark Office (USPTO) to improve the patent process for the benefit of the chemistry community by securing volunteer chemists and chemical engineers, both from industry and academia, to participate in USPTO’s Patent Examiner Technical Training Program. This valuable service helps patent examiners keep pace with the recent developments in chemistry. Please take the opportunity to participate in this outstanding program.

If you would like to work with us on any of these matters, please contact us at [Patents@acs.org](mailto:Patents@acs.org).

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### J. Nomenclature, Terminology and Symbols

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

Goal 1: Achieve a common language of chemistry by educating its practitioners

NTS organized a symposium and workshop focusing on the teaching of chemical nomenclature and structure representation for the BCCE 2020, which has had to be postponed until 2022. The symposium would have included several prominent speakers including Richard Hartshorn, IUPAC Secretary General and an author of the Red Book of inorganic nomenclature.

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

NTS, in collaboration with the Braille Authority of North America (BANA) worked with visually impaired chemists to standardize the Braille code for chemistry. Through this collaboration, NTS & BANA are working to improve the ability of the code to represent chemical structures in a standardized way and increase the usage of the code through advocacy and outreach. Work has been completed on the updates of the existing section of the code, however work is ongoing for the new section, introduction and index.

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

NTS completed a stakeholder map identifying the key organizations both within ACS along with the broader chemical community that are key partners for our committee. As NTS moves forward we are developing an engagement model along with ways to operationalize the model.

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K. Minority Affairs  
(joint with Board)

Last fall, the ACS Committee on Minority Affairs (CMA) held a retreat leading us to update our strategic plan. As a result, we have updated our vision to “Diversifying chemistry through the transforming power of inclusion and equity”. Our mission is “Advancing a broader, inclusive and equitable chemistry enterprise by empowering underrepresented groups, stakeholders, and marginalized people for the benefit of the world.” Our activities and objectives are now focusing on 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; and (3) Enhance shared expertise in effective diversity, equity, and inclusion content and act as a resource to stakeholders.

In light of the ACS developing strategies towards the Diversity, Inclusion, and Respect (DIR) Core Value, CMA would like to share some of our strategies within that we suggest the ACS as a whole to distribute and adopt by the 2021 Leadership Institute:

1. A standardized safety & DIR moment for use at the beginning at each national and regional symposium that includes a statement regarding ACS’s core value and commitment towards providing programming and activities that reflect a diverse, equitable, respectful, and inclusive society;
2. A diversity, inclusion, respect, and equity handbook and training for governance committees, staff, and leadership for all levels of the society;
3. Our best practices for diverse, inclusive, and respectful programming for all levels of programming;
4. DIR & cultural character competency courses in the Leadership Development System using topics that we have piloted within our committee.

CMA developed and communicated a statement to address inequities in chemistry learning that arose during COVID-19: The chemistry education community and the ACS have provided plenty of resources to take your courses online. However, the data clearly shows this pandemic disproportionately affects our students of color, low-income families, families in health care or service industries, rural families, and many other situations which may prevent them from having access to high speed internet, quiet spaces to work, and time away from family pressures. Therefore, CMA recommend institutions be generous and careful in their training designs to ensure that all students have equitable access to resources.

CMA recently submitted a manuscript highlighting the issues of access that marginalized students endured and mitigated to the Journal of Chemical Education special issue on this topic. We encourage all academic educators and industry internship coordinators to read the findings and implement the recommendations as they design their future online learning experiences.

CMA has been encouraged by the desire of the leadership of the Society to advance our Diversity, Inclusion and Respect (DIR) Core Value. The development and implementation of the new DIR guiding principles will be key in the Society becoming a more welcoming and inclusive environment. CMA was charged in the governing documents to study and make recommendations [to Council and the Board of Directors] on the current status of minorities in the SOCIETY and in the chemical sciences. Many members of our committee have experienced daily prejudices and discrimination based on their skin color and ethnicity alone that many reading this report will never understand. These challenges were designed to not just prevent us from being productive members of the chemistry enterprise but to question and lessen our humanity and dignity. In that vein, we express our frustration and discontent that the written statement on the murder of Mr. George Floyd did not include language that spoke to those experiences and barriers. Therefore, we were encouraged that those experiences were being asked to be heard and we were requested to assist in the preparation of the language for Pres. Luis Echegoyen’s video statement. We are pleased that the former written statement was replaced with a new official written society statement containing language that would accompany and mirror the President’s video. Many entities within ACS have since made statements regarding their review of implicit biases and systemic processes that have hindered Black chemistry practitioners. We invite all of those entities, including Awards and Publications, to partner with us and gain from our insight in these matters.

Please visit the CMA website ([chemdiversity.org](http://chemdiversity.org)) to stay up-to date with our latest activities and resources to address diversity, inclusion, respect and equity at all levels of the society. We also regularly update and invoke timely discussions on our Facebook and Twitter platforms. CMA is also happy to promote DIR awareness events and trainings at your programming on our platforms. We also invite everyone to attend our virtual networking and programming events that will start with the Fall National Meeting.

We look forward to seeing everyone virtually in August!

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Javier Vela-Becerra  
Celia Williams  
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L. International Activities  
(joint with Board)

In fulfillment of its duties and responsibilities to the Society, the ACS Joint Board-Council Committee on International Activities (IAC) is responsible for 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 midyear point:

1. IAC conducted a strategic retreat prior to the 2019 San Diego National Meeting in order to better align with the ACS's increasingly globalized goals. A new leadership position within IAC, Strategic Planning Chair, was created to see through the implementation of the plan. The new strategic plan has been outlined below.  
Mission: Enabling diverse communities of chemical practitioners worldwide to achieve their goals  
Vision: Better chemistry through global communities  
Goal 1: By 2022, develop a sustainable support system for ACS International Chapters to enhance access to opportunities, resources, networks and training.  
Goal 2: Collaborate with chemical communities worldwide on implementing the UN Sustainable Development Goals.  
Goal 3: Be an effective advocate and champion for international members and for the growth of chapters.
2. In keeping with the above strategic plan, calls were arranged between IAC subcommittee members and ACS International Chapter leaders of various regions around the world. The purpose of these calls is to increase communication and collaboration between International Chapters.
3. In December 2019, the ACS Board of Directors approved the establishment of ACS International Chemical Sciences Chapter in the Republic of Georgia, bringing the number of ACS International Chapters to 24.
4. IAC received an application from Israel to establish an ACS International Chemical Sciences Chapter. Although still pending IAC approval as of the writing of this report, the application is anticipated to be presented for Council approval during the virtual Fall 2020 National Meeting.
5. IAC continues to promote co-alignment between ACS International Chemical Sciences Chapters, ACS International Student Chapters, and other relevant ACS entities active outside the U.S.

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**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 Israel International Chemical Sciences Chapter. The Israel International Chemical Sciences Chapter will consist of the country of Israel 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 and Standing Rule VII of the Governing Documents, 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 Joint-Board 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.

### M. Ethics

The ACS Committee on Ethics (ETHX) meets four times annually, with two long, in-person meetings held during the ACS national meetings and two short teleconferences between meetings. Due to the COVID-19 situation, we converted all of our meetings to virtual meetings. The spring committee meeting was held on March 22, 2020, via Zoom, with a shorter teleconference on January 30, 2020, to welcome our new associates and discuss projects for the year and a brief Zoom check-in meeting on June 15, 2020. A quorum of members were able to meet each time, and we were thus able to transact business at all three meetings. ETHX has formally adopted Basecamp as a project management system, and we are currently learning its capabilities and features as we do our work.

During 2020, ETHX had selected five projects from our strategic planning goals on which to begin work and had constructed working groups around each goal. These goals were to:

- Analyze salary survey responses to identify critical areas of need and interest
- Develop a list of programming ideas that local sections can use to train their members in ethical issues
- Develop a stronger marketing plan for the ChemLuminary Award for Outstanding Local Section Programming Related to the Promotion of Ethics in Chemistry
- Develop a Web presence that disseminates and promotes ethics-related activities and materials
- Construct interactive activities for local sections and young students

At the January teleconference and the March meeting, we heard updates from the working group leaders. Analysis of the data from the last salary survey is now complete, and that working group looks forward to soliciting new data in a future survey. The list of programming ideas is likewise complete and will be posted on the new ETHX Web site when possible. Our marketing plan for the ChemLuminary Award involved collaboration with LSAC and resulted in an increased number of self-nominations, which were discussed at length at the March meeting, and we look forward to awarding our second ChemLuminary Award in August.

We have devoted the majority of our energy this year to our Web presence, our programming, and our work on interactive activities for local sections and young students. During our March committee meeting, we unveiled a framework for our new Web site, <https://acsethics.org>, where we will post resources, case studies, and events related to ethics in chemistry. Among the items that we hope to disseminate are a series of interactive videos currently being produced by members of the working group in interactive activities, our list of programming activity suggestions, a list of recipients of the ChemLuminary Award for Outstanding Local Section Programming Related to the Promotion of Ethics in Chemistry, and a curated list of ethics-related reading material and case studies produced outside of the committee. We are currently collaborating with the Committee on Community Activities to produce some ethics-related content for children in grades 4-6.

ETHX will cosponsor two symposia in the PROF program at the virtual ACS national meeting in August, “Ethics and Research in Chemical Education” and “Commonly Accepted Scientific Ethics,” as well as the CINF poster session. We will also cosponsor “Ethics in the Chemical Profession: Cultural Impacts” at the International Chemical Congress of Pacific Basin Societies 2020 (Pacifichem).

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N. Environmental Improvement  
(joint with Board)

The Committee on Environmental Improvement (CEI) continues to focus its attention on increasing ACS leadership related to sustainability and sustainable chemistry. Just as advancing sustainability requires collaboration, CEI does much of its best work through partnerships with a wide array of ACS units.

An example of this is the committee's long-standing partnership with the ACS Green Chemistry Institute® (GCI). We recently participated in the virtual Green Chemistry and Engineering Conference (GC&EC) sponsored by ACS GCI, hosting or supporting several symposia and workshops. These included programs on green and sustainable chemistry in product supply chains, and the relationship of chemistry to the United Nations Sustainable Development Goals (UN SDGs). CEI also has presented recent programming on the challenges presented by single-use plastics. CEI will be sponsoring ongoing work on these topics, and any councilors interested in getting involved with these projects are encouraged to contact the committee at [cei@acs.org](mailto:cei@acs.org).

At the fall 2019 national meeting in San Diego, the committee organized the program theme related to the Chemistry of Water. CEI recently began preparations for its leadership of the theme, jointly with the Division of Environmental Chemistry (ENVR), focused on the UN SDGs for the fall 2022 meeting planned for Chicago. CEI is proud of its leadership in theme planning for national meetings and hopes it will serve as an example for other units of ACS interested in taking an overarching organizational role in future meetings.

Along with other ACS units, CEI is engaged in reviewing and recommending updates to ACS' public policy statements. We are currently proposing updates for the statements on sustainability in the chemistry enterprise, on scientific integrity, and on science and technology on the federal budget. In the last year, the committee also has developed a proposed new statement on critical materials, in conjunction with the Committee on Science (ComSci).

CEI continues to support and recognize the work of the ACS local sections related to sustainability. Local Sections are encouraged to apply for grants to facilitate new programs and activities highlighting or advancing the relationship of sustainability to the chemical science, as well as to apply through their annual reports in order to be considered for the ChemLuminary Award for Outstanding Sustainability Programming.

CEI also continues its social media efforts to engage with a network of ACS members interested in environmental issues. To get more information or join the dialogue, please follow [@ACS\\_CEI](#).

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O. Community Activities  
(joint with Board)

Due to the COVID-19 pandemic, all in-person celebrations of Chemists Celebrate Earth Week (CCEW), the traditional Presidential Outreach Event and a workshop highlighting the Outreach Training program, were cancelled along with the in-person Spring National Meeting. However, committee efforts to engage the community have continued.

CCEW was changed to a completely virtual celebration, which was aided by a CCA Task Force who helped author guidance on how to host virtual outreach events. CCA thanks the 144 ACS local sections that used these instructions to plan virtual chemistry lectures or demonstrations. ACS reached 51,000 people through Facebook events that advertised the virtual offerings. The children's publication *Celebrating Chemistry* was converted to individual pages to increase the availability of activities to search engines. A coloring book using art from *Celebrating Chemistry* was also produced, and a digital national Illustrated Poem Contest was coordinated. Photos of events were collected through Facebook and are available for public viewing. Through a Chemistry Enterprise Partnership with the Earth Day Network to celebrate Earth Day's 50th anniversary, ACS gained valuable promotion through social media posts, email newsletters, and press releases. As a result of updated digital resources, increased marketing efforts, and the partnership, CCEW downloads on the website exceeded 5,000 and CCEW web pages received more visits than any other CCEW campaign before it with 13,000 unique visitors (46% increase from 2019) and 33,000 page views (52% increase from 2019). Additionally, reach of the #CCEW hashtag increased 18% from 2019 to over 4 million impressions. To see all of the web resources presented for CCEW, visit [www.acs.org/ccew](http://www.acs.org/ccew).

CCA is considering hosting a virtual outreach event in conjunction with the virtual Fall National Meeting. Details of this are still being determined, and if this is pursued, details will be shared at [www.acs.org/kidszone](http://www.acs.org/kidszone).

CCA has supported updates to the Outreach Training Program to make the courses more inclusive for global volunteers and for students. The newly modified material will be presented live in weekly webinars from June 23 to August 4 and then made available on-demand in the ACS Learning Center. To improve your outreach event planning skills, visit [www.acs.org/otp](http://www.acs.org/otp) and sign up today.

Two members of CCA participated in the pilot Let's Do Chemistry virtual workshop, offered through a partnership between ACS and the National Informal STEM Education Network. They provided valuable feedback to shape this resource for ACS members who train volunteers to facilitate hands-on outreach activities for children. The modified five-part workshop will be offered Fall 2020 and again in early 2021. For more information, contact [outreach@acs.org](mailto:outreach@acs.org).

CCA is leading a joint task force with volunteers from the Society Committee on Education and the Committee on Chemical Safety to update guidance for volunteers conducting science outreach. These guidelines will emphasize the RAMP approach and are scheduled to be released this August.

Plans for National Chemistry Week (NCW), celebrating adhesives with the theme "Sticking with Chemistry," are underway. All digital resources developed for CCEW will also be available for NCW, and CCA will consider recommendations for NCW coordinators ahead of the Fall National Meeting. Resources will launch on August 1, 2020.

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

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P. Chemists with Disabilities  
(joint with Board)

The Chemists with Disabilities Committee (CWD) promotes chemistry through educational and professional opportunities for persons with disabilities. CWD leverages its resources for impact beyond the community of chemists with disabilities, for the betterment of ACS and society as a whole.

Twenty-three CWD members attended the virtual meeting on March 21<sup>st</sup> from 11:00 am to 2:30 pm EST. A live CART (computer assisted real-time transcription) service for our hearing-impaired colleagues was employed through the Zoom videoconference platform.

A robust agenda included a review of the existing CWD programs, including our Accessible 3-D printed periodic table, the CWD student travel award and an update on our plans to revise our signature document, "Teaching Chemistry to Students with Disabilities." Presentations on enhancements to the ACS Committee Preference form, as well as plans for our CWD member video profile project were shared.

CWD representation on the Diversity, Inclusion & Respect Advisory Board was discussed and plans for future virtual meetings were solicited from the membership in attendance.

Overall, the majority of CWD members felt that the virtual meeting was a success and valuable to the progression of the goals and objectives of the committee.

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Q. Chemistry and Public Affairs  
(joint with Board)

The Committee on Chemistry and Public Affairs advises and recommends ACS action on public policy matters involving the chemical sciences and technologies. CCPA is pleased to report some of the activities undertaken to help make ACS a premier advocacy organization.

***Public Policy Fellowships***

For the past 45 years, the American Chemical Society has sent chemists to Washington D.C. for an immersive experience in how the government works, through the ACS Public Policy Fellowships. The purpose of the program is two-fold: to give chemists a better understanding of how government policy affects the chemical enterprise, and to inject some scientific knowledge into the policy-making process. ACS congressional fellows serve in the office of a congressional committee or personal office; science policy fellows work with ACS External Affairs and Communications (EAC) staff (in the Office of the Secretary & General Counsel) in the ACS headquarters in Washington DC.

CCPA provides oversight of the ACS Public Policy fellowship program and guides the annual selection process that selects two congressional fellows. This year, 13 CCPA members and past fellows reviewed nearly 30 applications for the 2020-2021 fellowship term. The fellowship interviews were held virtually this year for the first time due to COVID-19 travel restrictions. I am pleased to share the results of that selection process: **Elizabeth Hunsaker** and **Matthew Diasio** will spend one year working as ACS congressional fellows on Capitol Hill as part of the broader AAAS Science & Technology Policy Fellowships program. **Leila Duman** will continue a second year as the ACS science policy fellow.

ACS members at all career stages are encouraged to apply for the fellowships. More information can be found at [www.acs.org/policyfellows](http://www.acs.org/policyfellows).

***ACS Public Policy Statements***

ACS public policy statements define the Society's advocacy agenda and provide recommendations to policymakers at the state and federal levels. In 2020, CCPA has participated in the multi-committee working groups reviewing the ACS policy statements on science and technology funding in the federal budget, and the U.S. business climate. CCPA will vote on whether to recommend the two statement drafts to the ACS Board of Directors for final approval at the Fall 2020 meeting. All ACS policy statements can be found at [www.acs.org/policy](http://www.acs.org/policy).

***Member engagement in public policy***

CCPA encourages and highlights ACS local section engagement in public policy activities by sponsoring the ACS President's Local Section Government Affairs Award presented at the annual ChemLuminary Awards Reception. CCPA would like to congratulate the Georgia, Puerto Rico, and Northeastern local sections, which have been nominated for their government affairs efforts. Stay tuned to learn which local section is crowned the winner in August! Councilors are urged to include their local sections' advocacy activities in their annual local section reports so that they may be considered for the CCPA ChemLuminary award.

CCPA's vision statement is "Public policy that is much more informed by chemical professionals," and the Committee's mission statement is to "Increase ACS member engagement and effectiveness in impacting public policy." To those ends, one of CCPA's goals is to empower and engage ACS members to interact with federal and state policymakers by providing tools, training, connections, and networks. CCPA continues to work with staff from External Affairs & Communications to ensure that the online materials to educate and train ACS members to become chemistry and science advocates remain updated and high quality. To that end, CCPA members have served as beta testers for an ACS online advocacy academy currently under development, anticipated to be formally launched in late summer 2020. CCPA applauds the investment of staff time and resources to develop what promises to be a very valuable member resource.

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R. Chemical Safety  
(joint with Board)

This report summarizes projects undertaken by the CCS in 2020. There are four key elements of this work:

**The 2020 ACS Safety Summit**

Since 2018, the Committee on Chemical Safety has provided leadership for the annual ACS safety summits at the request of the ACS Presidents. The 2020 ACS Safety Summit took place February 21 and 22, 2020 at ACS Headquarters. Thirty ACS members and experts from external organizations worked with ACS staff members to develop a communications strategy that would help establish ACS as an authoritative resource for chemical safety information. Participants identified several key topics that ACS could champion within its current areas of engagement. Specifically, these include:

- ACS, through its vibrant engagement with the chemical safety and chemical education communities has created a number of valuable safety resources, but the availability of these resources have not effectively communicated;
- A new partnership between ACS's safety groups and ACS External Affairs and Communication opens the door for future collaborations and assistance with strategic planning; and
- The enhanced safety communication channels will help ACS help to better understand its community's needs and concerns related to chemical safety.

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

In follow up to the CCS's 2019 strategic planning retreat, CCS members have been reviewing draft vision and mission statements. However, the disruption to committee activities that all ACS committees have experienced as a result of the Covid pandemic has slowed progress on this work. The CCS has been hit particularly hard by this circumstance, as much of our leadership is directly involved in organizing their home institution's response to the pandemic. Fortunately, the CCS's strategic goals have been well defined by the ACS safety summits and progress on specific projects has been maintained despite the limited time available from key individuals on the CCS. For this reason, we recommend that this tradition of annual summits be continued into the foreseeable future to track progress.

The strategic planning group identified four key goals for the committee:

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

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

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

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

**Conversations about optimizing safety education in the revised Guidelines for ACS Approval of Chemistry Bachelor Degrees**

Between August 2019 and June 2020 an *ad hoc* team of seven CCS members have partnered with the CHED Safety Committee and the Committee on Professional Training (CPT) representatives to discuss an expanded section on safety in the upcoming new edition of the ACS Guidelines for Bachelor's Degree Programs. The *ad hoc* group prepared a report for the CPT that includes 44 recommendations for the new Safety Section that recognize the shift from a "rules orientation" to a "risk orientation" and thus reflect the importance of safety education in undergraduate instruction and programs in the context of safety as a core value of the ACS.

### Safety Symposium during the 2020 ACS Green Chemistry Conference

Green chemistry has been known to emphasize environmental stewardship and sustainability but safety might have not been traditionally connected to the green chemistry principles. CCS has been working with the green chemistry communities to strengthen this connect. In this work, members of the CCS organized and contributed to the symposium on *Making Your Undergraduate Chemistry Lab Greener and Safer* during the 2020 ACS Green Chemistry Conference. Over 500 people logged to the symposium page during the day the symposium was presented and the symposium will be available on demand for 90 days after the conference.

Finally, as this is my last year as Chair of the Committee on Chemical Safety, I would like to thank the ACS leadership, both in governance and in staff, for their support for the work of the committee. Chemical safety is a community effort and I am proud of the achievements of the ACS in moving this work forward. I feel fortunate to have been able to contribute to this work.

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### S. Analytical Reagents

The Committee on Analytical Reagents (CAR) convenes in formal session twice annually at ACS Headquarters in Washington D. C. Meetings consist of full committee meetings and various subcommittee meetings. The committee currently consists of four subcommittees: the Organic Subcommittee; the Inorganic Subcommittee; the New Reagent Subcommittee and the Validation Subcommittee. The most recent meeting was conducted virtually on April 1<sup>st</sup>, 2020. The virtual meeting was conducted due to the pandemic and was quite successful but limited due to many members not having access to data due to lockdowns of universities and working from home. A major accomplishment of the meeting was the addition of safety warnings to all chemical monographs of “Reagent Chemicals”.

The committee oversees and updates the ACS digital publication “Reagent Chemicals: Specifications and Procedures”, which defines the specifications for over 400 “ACS Reagent Grade” chemicals used around the world. During the past year, 18 monographs have been updated. Sales of the work in a digital format are fast outpacing revenue from the print editions given its useful features. In 2019, ACS Publications generated over \$150,000 in revenue, up 22% from the previous year. In 2020, we budgeted \$200,000 in revenue for ACS Publications although this may be hindered by the pandemic. These numbers far exceed the revenue from print.

ACS Publications has approved the launch of an accompanying internship program that will facilitate the development of content for our digital publication. A task force provides oversight. We have had one committee member successfully conduct a pilot program at Florida A&M University, and hope to have another two Universities join the program this fall 2020 or spring 2021 depending on whether students are able to work in labs due to the pandemic.

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