

# **AMERICAN CHEMICAL SOCIETY**

## **Council Agenda**

**Wednesday, March 25, 2020  
8:00 AM**

**Grand Ballroom Salon E-H**

**Philadelphia Marriot Downtown Hotel**

**Philadelphia, Pennsylvania**

COUNCIL  
AMERICAN CHEMICAL SOCIETY  
8:00 A.M., March 25, 2020  
Grand Ballroom Salon E-H  
Philadelphia Marriott Downtown Hotel  
Philadelphia, Pennsylvania

AGENDA

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**DRAFT  
MINUTES  
COUNCIL  
AMERICAN CHEMICAL SOCIETY**  
August 28, 2019  
San Diego, California

The Council of the American Chemical Society met in San Diego, California on August 28, 2019, beginning at 8:00 a.m. Bonnie A. Charpentier, President of the Society and of the Council, presided. The following Councilors, Alternate Councilors, and accredited representatives were present:

**Ex-Officio:** John E. Adams, Christina C. Bodurow, William F. Carroll, Jr., Charles P. Casey, Bonnie A. Charpentier, Thomas M. Connelly, Jr., Peter K. Dorhout, Luis A. Echegoyen, Ned D. Heindel, Rigoberto Hernandez, Catherine T. Hunt, Paul W. Jagodzinski, Wayne E. Jones, Jr., Thomas H. Lane, Lee H. Latimer, Katherine L. Lee, Flint H. Lewis, Ingrid Montes, E. Ann Nalley, Donna J. Nelson, Attila E. Pavlath, Dorothy J. Phillips, Elsa Reichmanis, Barbara A. Sawrey, Diane Grob Schmidt, Kathleen M. Schulz, Edel Wasserman, Marinda Li Wu.

**Divisions:** *Agricultural & Food Chemistry*, Michael Appell, John W. Finley, Lauren Jackson, Michael H. Tunick. *Agrochemicals*, Rodney M. Bennett, Jeanette M. Van Emon. *Analytical Chemistry*, Michelle V. Buchanan, Bryant C. Nelson, Susan J. Olesik, X. Nancy Xu\*. *Biochemical Technology*, Arindam Bose, Cynthia H. Collins, Sadettin Ozturk. *Biological Chemistry*, Barbara L. Golden, Coran Watanabe. *Business Development & Management*, Janet L. Bryant. *Carbohydrate Chemistry*, Anthony S. Serianni. *Catalysis Science & Technology*, Anne M. Gaffney, Charles H.F. Peden, Aditya Savara. *Cellulose and Renewable Materials*, Kevin J. Edgar, Lucian A. Lucia, Sheila M. Murphy. *Chemical Education*, Laura J. Anna\*, Iona Black, Daniel B. King, Sally B. Mitchell. *Chemical Health & Safety*, Debbie M. Decker, Frankie K. Wood-Black. *Chemical Information*, Svetlana Korolev, Bonnie Lawlor, Andrea B. Twiss-Brooks. *Chemical Toxicology*, Penny Beuning. *Chemistry & The Law*, James C. Carver, Alan M. Ehrlich. *Colloid & Surface Chemistry*, Maria M. Santore. *Computers in Chemistry*, Christine M. Aikens, Emilio X. Esposito, Terry R. Stouch. *Energy & Fuels*, Joe D. Allison, Semih Eser, Elise B. Fox, Lisa Houston. *Environmental Chemistry*, V. Dean Adams, George P. Cobb, III, Alan W. Elzerman, Jurgen H. Exner. *Fluorine Chemistry*, David A. Dixon. *History of Chemistry*, Roger A. Egolf, Mary Virginia Orna. *Industrial & Engineering Chemistry*, Spiro D. Alexandratos, Mary K. Engelman, Leigh R. Martin. *Inorganic Chemistry*, Debbie C. Crans, Karen Goldberg, Clark R. Landis, Silvia Ronco. *Medicinal Chemistry*, Jane V. Aldrich, William J. Greenlee, Carrie Haskell-Luevano, Amy S. Ripka. *Nuclear Chemistry & Technology*, Silvia S. Jurisson, Jenifer Shafer\*\*. *Organic Chemistry*, David A. Conlon, Huw M.L. Davies, Katherine N. Maloney. *Physical Chemistry*, Miriam Freedman\*, Judy E. Kim. *Polymer Chemistry*, Joseph M. Mabry, Mary Ann Meador, Gregory N. Tew, Kathryn E. Uhrich. *Polymeric Materials: Science & Engineering*, Anthony Jay Dias, Benny D. Freeman, Julie L.P. Jessop, Dean C. Webster. *Professional Relations*, R. Daniel Libby. *Rubber*, John M. Long. *Small Chemical Businesses*, Joseph E. Sabol.

**Local Sections:** *Akron*, James E. Duddey, Daryl L. Stein. *Alabama*, Tracy P. Hamilton. *Auburn*, Christian R. Goldsmith. *Baton Rouge*, Bryan K. Franklin. *Binghamton*, Julien A. Panetier\*. *Brazosport*, Carolyn Ribes. *California*, Bryan Balazs, Michael T.H. Cheng, Mark D. Frishberg, Sushila Kanodia, Eileen M. Nottoli, James M. Postma, Paul F. Vartanian, Elaine S. Yamaguchi. *California Los Padres*, Justin A. Russak. *Carolina-Piedmont*, Matthew K. Chan, Marilyn J. Sikes. *Central Arizona*, Douglas J. Sawyer. *Central Massachusetts*, Meledath Govindan. *Central New Mexico*, Alexander S. Edgar\*, Donivan R. Porterfield. *Central New York*, Gary Bonomo\*\*. *Central North Carolina*, Robert A. Yokley. *Central Ohio Valley*, Gary D. Anderson. *Central Pennsylvania*, Lori R. Stepan. *Central Texas*, Raychelle

\*Alternate Councilor

\*\*Temporary Substitute Councilor

M. Burks, Diane M. Kneeland\*. **Central Wisconsin**, Robin S. Tanke\*. **Chemical Society of Washington**, Allison Aldridge, Alan J. Anderson, Joseph M. Antonucci, Darón I. Freedberg\*, John M. Malin, Kim M. Morehouse, Sara V. Orski, Judith F. Robinson, Bradley A. Scates. **Chicago**, Charles E. Cannon, David S. Crumrine, Kenneth P. Fivizzani, Russell W. Johnson, Fran K. Kravitz, Margaret S. Levenberg, Milt Levenberg, Inessa Miller, Barbara E. Moriarty, Susan Shih. **Cincinnati**, Kathleen Gibboney, Susan A. Hershberger, Richard J. Mullins. **Cleveland**, Dwight W. Chasar, Michael J. Kenney. **Coastal Georgia**, Will E. Lynch. **Colorado**, Lawrence J. Berliner, Sandra J. Bonetti, Michael Mosher, Ryan M. Richards\*, Susan M. Schelble, Shubham Vyas\*. **Columbus**, Joan M. Esson, Edmund T. King, Virginia H. Songstad. **Connecticut Valley**, Kevin R. Kittilstved, Michael Knapp, Julianne M.D. Smist, Frank J. Torre. **Corning**, Roger F. Bartholomew. **Dallas-Fort Worth**, Mary E. Anderson, Jason L. McAfee, Linda D. Schultz, E. Thomas Strom. **Dayton**, Steven Trohalaki. **Decatur-Springfield**, Harry J. Elston. **Delaware**, Tiffany N. Hoerter, Martha G. Hollomon, Nora S. Radu\*, Margaret J. Schooler. **Detroit**, Mark A. Benvenuto, Mary Kay Heidtke, Meghann Murray\*. **East Central Illinois**, Amy Nicely. **East Tennessee**, Alan A. Hazari, John Z. Larese. **East Texas**, Philip Verhalen. **Eastern New York**, Warren D. Hull, Jr., Tina M. Ovitt\*. **Eastern North Carolina**, Satinder Ahuja. **Erie**, Betty Jo Chitester. **Florida**, Carmen V. Gauthier, Leslie J. Murray. **Georgia**, Lissa Dulany, David S. Gottfried, Mark B. Mitchell, C. David Sherrill, Joseph P. Stoner. **Greater Houston**, Carolyn A. Burnley, Lawrence W. Dennis, Amber S. Hinkle, Valerie Lafitte\*, Mamie W. Moy, Laurent Pirolli, Sunny C. Tang. **Green Mountain**, Willem R. Leenstra. **Hampton Roads**, Peter N. Njoki\*. **Hawaii**, T. Blake Vance. **Heart O'Texas**, Darrell G. Watson. **Huron Valley**, Ellene T. Contis, Lawrence Kolopajilo. **Idaho**, Joshua J. Pak. **Illinois Heartland**, Gregory Ferrence. **Illinois-Iowa**, Richard G. Rogers. **Indiana**, Beth Lorschach, Brian M. Mathes, Robert A. Pribush, Robert E. Sammelson. **Indiana-Kentucky Border**, Jeffery W. Seyler. **Inland Northwest**, Jeffrey A. Rahn. **Kalamazoo**, Lydia E.M. Hines. **Kanawha Valley**, Madan M. Bhasin. **Kansas City**, Gary E. Clapp\*, William G. Gutheil\*. **Kansas State University**, Daniel A. Higgins\*\*. **Kentucky Lake**, Bikram Subedi\*\*. **LaCrosse-Winona**, Ben Haenni. **Lehigh Valley**, Jeanne R. Berk, Kelley C. Caflin. **Lexington**, Brent A. Eldridge\*\*. **Louisiana**, Alvin F. Bopp. **Louisville**, James F. Tatera. **Maine**, Mitchell R.M. Bruce. **Mark Twain**, Dawood Afzal. **Maryland**, Merle I. Eiss, Pumtiwitt C. McCarthy\*, Paul J. Smith, Stephanie Watson. **Memphis**, Laura M. Wolf. **Michigan State University**, Susanne M. Lewis. **Middle Georgia**, Robert J. Hargrove. **Mid-Hudson**, Maryellen Sinclair\*\*. **Midland**, Tina M. Leaym, Dale J. LeCaptain. **Milwaukee**, Katherine Bichler, Scott A. Schlipp. **Minnesota**, Marilyn D. Duerst, Rebecca Guza, Ramesh C. Kumar\*, Sarah M. Mullins, James Wollack. **Mobile**, W. Matthew Reichert. **Mojave Desert**, Peter Zarras. **Mo-Kan-Ok, The Tri-State**, Khamis S. Siam. **Montana**, Nicholas R. Natale\*. **Nashville**, Judith M. Iriarte-Gross, Ruth Ann Woodall. **Nebraska**, James M. Takacs. **New Haven**, Olivier Nicaise, Gerald J. Putterman. **New York**, Ronald P. D'Amelia\*, Brian R. Gibney, Barbara R. Hillery, Alison G. Hyslop, Neil D. Jespersen, Patricia A. Redden, Frank Romano, Rita K. Upmacis\*, Marc A. Walters. **North Alabama**, Anusree Mukherjee. **North Carolina**, Melissa A. Pasquinelli, Laura S. Sremaniak, Bhaskar Venepalli, J. Stewart Witzeman. **North Jersey**, Amjad Ali\*, Jeannette E. Brown, Alan B. Cooper, Jacqueline A. Erickson, Miriam Gulotta, Elizabeth M. Howson, Diane Krone, Amanda K. Mann, Les W. McQuire, Steven M. Silverman\*, William H. Suits\*. **Northeast Georgia**, Maurice E. Snook. **Northeast Tennessee**, John Engelman II. **Northeast Wisconsin**, Martin D. Rudd. **Northeastern**, Michael P. Filosa, Thomas R. Gilbert, Patrick M. Gordon\*, Morton Z. Hoffman, Mariam Ismail\*, Leland L. Johnson, Jr., Lisa A. Marcaurelle, Daljit S. Matharu\*, Raj Rajur\*, Joshua R. Sacher\*, Sofia A. Santos, Andrew Scholte, Mary Jane Shultz, Anna W. Sromek, Ruth E. Tanner. **Northeastern Ohio**, Sarah S. Preston. **Northern New York**, Rajesh Sunasee. **Northern Oklahoma**, Randall L. Heald. **Northern West Virginia**, Edwin L. Kugler\*. **Northwest Central Ohio**, Bradley Wile\*. **Oklahoma**, Allen W. Apblett. **Ole Miss**, Jason E. Ritchie. **Omaha**, Richard Lomneth. **Orange County**, Robert S. Cohen, Rabin D. Lai, Sanda P. Sun. **Oregon**, Richard L. Nafshun. **Orlando**, Darlene K. Slattery. **Ouachita Valley**, Danny E. Hubbard. **Ozark**, Eric Bosch. **Panhandle Plains**, Nick O. Flynn. **Penn-Ohio Border**, Doris L. Zimmerman. **Pensacola**, Allan M. Ford. **Permian Basin**, Kathryn Louie. **Philadelphia**, Georgia A. Arbuckle-Keil, Deborah H. Cook, Judith Currano, Ella L. Davis, Anne S. DeMasi, Rick Ewing, Mark A. Forman\*, Kathryn A. Lysko, Marge A. Matthews, Christine McInnis, Kathleen Shaginaw. **Pittsburgh**, Richard S. Danchik\*, Robert Mathers, Kimberly A. Woznack. **Portland**,

Marcie J. Merritt. **Princeton**, Barbara Ameer\*, Louise M. Lawter. **Puerto Rico**, Jorge L. Colón. **Puget Sound**, A.M. Ranjika P. Bopegedera, Gary D. Christian, Craig B. Fryhle, David L. Patrick, Despina Strong. **Purdue**, George M. Bodner. **Red River Valley**, Harmon B. Abrahamson. **Rhode Island**, Peter J. Bonk. **Richland**, Anna G. Cavinato. **Rio Grande Valley**, Michael D. Johnson. **Rochester**, D. Richard Cobb, Stephen G. Tajc. **Rock River**, William J. Doria. **Sabine-Neches**, John A. Whittle. **Sacramento**, Maria de la Paz Carpio-Obeso, William J. Miller. **St. Louis**, Lisa M. Balbes, Eric A. Bruton, Donna G. Friedman, Natalie A. LaFranzo. **Salt Lake**, Peter J. Stang. **San Antonio**, Larry C. Grona. **San Diego**, Thomas R. Beattie, Hui Cai, Desiree Grubisha, Valerie J. Kuck, J. Kenneth Poggenburg, Jr., David M. Wallace. **San Gorgonio**, J. Ernest Simpson. **San Joaquin Valley**, Bret Wood\*. **Savannah River**, Christopher J. Bannochie. **Sierra Nevada**, Lawrence T. Scott. **Silicon Valley**, Linda S. Brunauer, Jane E. Frommer, Matthew J. Greaney, George J. Lechner, Natalie L. McClure, Sally B. Peters, Ean Warren. **Sioux Valley**, Jetty L. Duffy-Matzner. **Snake River**, Don L. Warner. **South Carolina**, William H. Breazeale, Jr., Scott R. Goode. **South Central Missouri**, Nathan D. Leigh. **South Florida**, Milagros Delgado, George H. Fisher, Zaida C. Morales-Martinez. **South Jersey**, Jennifer L. McCulley. **South Texas**, Jingbo L. Liu\*. **Southeastern Pennsylvania**, Gregory P. Foy. **Southern Arizona**, Charles H. Weidner\*. **Southern California**, Brian B. Brady, Virgil J. Lee, Sofia Pappatheodorou, Eleanor D. Siebert, Barbara P. Sitzman. **Southern Illinois**, Lichang Wang. **Southern Nevada**, Tammy L. Jones-Lepp. **Southwest Georgia**, Tolulope O. Salami\*. **Susquehanna Valley**, Dee Ann Casteel. **Tampa Bay**, Marie Bourgeois\*, Kimberly B. Fields. **Texas A&M**, David E. Bergbreiter. **Toledo**, Frank J. Butwin. **Trenton**, Benny C. Chan, Jamie Ludwig\*. **University of Arkansas**, Robert H. Coridan. **University of Missouri**, Justin R. Walensky. **Upper Ohio Valley**, Kevin Pate. **Upper Peninsula**, Glenn M. Larkin. **Virginia**, Joseph M. Crockett\*, Kristine S. Smetana, Linette M. Watkins. **Virginia Blue Ridge**, W. Gary Hollis, Jr. **Wabash Valley**, Edward A. Mottel. **Wakarusa Valley**, Joseph A. Heppert. **Washington-Idaho Border**, Richard V. Williams. **Western Carolinas**, Timothy W. Hanks, George L. Heard. **Western Connecticut**, Lawrence K. Steffen. **Western Maryland**, James D. Stickler. **Western Michigan**, Mark A. Thomson. **Western New York**, David P. Nalewajek. **Wichita**, D. Paul Rillema. **Wichita Falls-Duncan**, Keith R. Vitense. **Wilson Dam**, Amanda H. Coffman. **Wisconsin**, Allen D. Clauss, Scott A. Wildman. **Wyoming**, E. Gerald Meyer\*.

**Nonvoting Councilors:** Kate Fryer, Albert Horvath, Mary M. Kirchhoff.

**Noncouncilors:** Edgar Arriaga, Christopher W. Avery, Elizabeth P. Beckham, Amber Charlebois, Pat N. Confalone, Holly L. Davis, Kirby Drake, Raymond Forslund, Kevin P. Gable, Matthew Grandbois, Alicia E. Harris, Ann Kimble-Hill, Martin Kociolek, Steven R. Meyers, Brandi Neifert, Christi Pearson, Barbara F. Polansky, Max B. Saffell, James Schiller, David T. Smorodin, Simanco Staley, Frank E. Walworth, Marleen G. Weidner.

The preceding list of attendees at the Council meeting includes the following: 28 Ex- Officio Councilors; 79 Division Councilors (75 elected, 3 alternate, 1 temporary); 327 Local Section Councilors (282 elected, 40 alternate, 5 temporary); and 26 Nonvoting/Noncouncilors (staff and others). Approximately 55 observers were in attendance.

### Resolutions

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

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

- Mr. Ralph S. Graff, retired from DuPont, and Councilor for the Rubber Division from 1982 to 1996.
- Dr. Eckhard Hellmuth, Professor Emeritus, University of Missouri Kansas City, and Councilor for the Kansas City Local Section from 2006 to 2020.

- Dr. Rita R. Boggs, CEO of American Research and Testing Inc, and Councilor for the Southern California Local Section from 1993 to 2016.
- Dr. S K Airee, Emeritus Professor of Chemistry, University of Tennessee at Martin, and Councilor for the Kentucky Lake Section from 1999 to 2010.

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

The Council ADOPTED the following resolution as presented by Executive Director & CEO Thomas M. Connelly, Jr.:

2. BE IT RESOLVED That the Council and Board of Directors of the American Chemical Society note with sorrow the passing of John Kistler Crum, recalling with deep appreciation his service to the Society as its Executive Director for twenty years (1983-2003) and nearly forty years on staff (1964-2003).

The Council and Board remember with respect and gratitude his four decades of accomplishments, which significantly advanced the Society's mission and distinguished it as the "world's largest scientific society." Under John's leadership as Executive Director, staff and volunteer leadership worked together to strengthen the Society's position throughout the chemical enterprise and with the public at large. The Society's assets grew to nearly \$1 billion, its membership expanded by more than thirty thousand, and it gained recognition in the world of information services as a top leader in primary and secondary publishing.

The Society's members and leaders honor the memory of his life of dedication and many contributions to the American Chemical Society.

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

#### Approval of Minutes

3. VOTED to approve, as distributed, the minutes of the meeting of April 3, 2019.

#### Election of Members to Elected Committees

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

4. In accordance with the provisions of Bylaw III, Sec. 3, a, (3), the Committee on Nominations and Elections presented the following nominees for election to membership on the Council Policy Committee beginning in 2020: George M. Bodner, James C. Carver, Dee Ann Casteel, Kenneth P. Fivizzani, Anne M. Gaffney, Joseph A. Heppert, Lydia E. M. Hines, Will E. Lynch, Sally B. Peters, and Margaret J. Schooler. By electronic ballot, the Council ELECTED Anne M. Gaffney, Lydia E. M. Hines, Will E. Lynch, and Sally B. Peters for three-year terms (2020-2022), and Dee Ann Casteel for a one-year term (2020) on the Council Policy Committee.

5. In accordance with the provisions of Bylaw III, Sec. 3, b, (3), the Council Policy Committee presented the following nominees for election to membership on the Committee on Nominations and Elections beginning in 2020: V. Dean Adams, Mark A. Benvenuto, Michelle V. Buchanan, Charles E. Cannon, Alan B. Cooper, Alan M. Ehrlich, Alan A. Hazari, Amber S. Hinkle, Thomas H. Lane, and Joseph P. Stoner. By electronic ballot, the Council ELECTED Michelle V. Buchanan, Charles E. Cannon, Alan A. Hazari, Amber S. Hinkle, and Thomas H. Lane for three-year terms (2020-2022) on the Committee on Nominations and Elections.

6. In accordance with the provisions of Bylaw III, Sec. 3, c, (3), the Committee on Nominations and Elections presented the following nominees for election to membership on the Committee on Committees beginning in 2020: Satinder Ahuja, Lisa M. Balbes, D. Richard Cobb, Harry J. Elston, Emilio X. Esposito, Sarah M. Mullins, Jason E. Ritchie, Susan M. Schelble, Andrea B. Twiss-Brooks, and Stephanie J. Watson. By electronic ballot, the Council ELECTED Lisa M. Balbes, D. Richard Cobb, Emilio X. Esposito, Jason E. Ritchie, and Stephanie J. Watson for three-year terms (2020-2022) on the Committee on Committees.

#### Reports of Society Officers

**President Bonnie A. Charpentier** reviewed her overarching Presidential theme of Collaboration: across ACS units, and with external partners including scientific societies in the US and around the world. Dr. Charpentier reported on her visits to the California and Silicon Valley Sections in a joint meeting, and the South Florida Local Section. She also attended the Great Lakes, Central and Northwest Regional meetings. While at the Central Regional Meeting, a National Historic Chemical Landmark was dedicated in honor of the invention of Gas Chromatography- Mass Spectrometry. Also, a National Historic Chemical Landmark for the Discovery of Transuranium Elements at Berkeley Lab was re-dedicated.

Dr. Charpentier highlighted her participation in a Symposium on Women in Chemistry organized by the Organisation for the Prohibition of Chemical Weapons (OPCW). She met with the Canadian Society of Chemistry Board and Royal Society of Chemistry leaders to discuss future collaborations, including potential Chemistry Enterprise Partnerships focused on the United Nations Sustainable Development Goals.

At this meeting, Dr. Charpentier signed a Chemistry Enterprise Partnership with the Israel Chemical Society. Regarding her advocacy efforts, she reported that the U.S. Senate passed a resolution in honor of the International Year of the Periodic Table (IYPT), and members in the following states have obtained state resolutions in honor of IYPT: Massachusetts, Texas, South Carolina, Washington and Puerto Rico, with resolutions pending in California and Tennessee.

She thanked the Committee on Divisional Activities for continuing the breakfast to encourage collaboration across Divisions for joint programming, and the individuals who helped organize her Presidential Symposia. Dr. Charpentier invited Councilors to continue to send their ideas and suggestions to her.

**President-Elect Luis Echegoyen** reported that he met with six ACS committees and one division to solicit their input on how he can assist their initiatives for next year.

Referencing his travel for ACS, Dr. Echegoyen made note of the benefit of hosting member receptions in foreign countries and the goodwill among our international members. During the IUPAC meeting in Paris, ACS hosted symposia on the theme of green chemistry, a workshop on how to organize successful outreach events, and co-sponsored events benefitting early career chemists. Dr. Echegoyen reported that ACS was a signatory to a joint framework agreement among 15 chemical societies around the world to collaborate on the United Nations Sustainable Development Goals.

For IYPT, Dr. Echegoyen reported on activities within his own institution, the University of Texas at El Paso. In 2020, during his presidential year, he will be hosting two presidential symposia: one on running for public office, and the other focused on perovskite solar cells. He encouraged Councilors to contact him with advice and ideas regarding his Presidential initiatives.

**Immediate Past-President Peter K. Dorhout** provided a recap of his lessons learned in leadership throughout his career. He referenced philosophies by Chief Seattle and Lord Baden-Powell, creator of Scouting. What he learned was the importance of observing and listening. Dr. Dorhout reported that this helped him participate successfully in two ACS Safety Summits, lead a dialog around diversity, inclusion and respect, and moderate discussion on sexual harassment in the sciences.



He reported that there has been progress in creating a safety culture, enhanced resources to prevent sexual harassment, and a new policy around bestowing ACS awards. Dr. Dorhout thanked President Charpentier for her support of the World Scouting Jamboree, and thanked ACS members for all their work devoted to the Society.

**Board Chair John E. Adams** briefed the Council on the issues discussed and actions taken at the ACS Board of Directors meetings on Friday and Saturday, August 23 and 24.

The Board received a report from the Society Committee on Budget and Finance recommending approval of an advance member registration fee for 2020 national meetings of \$505, an amount equal to the 2019 fee adjusted for inflation only, and recommended inclusion in the 2020 budget of several requests for new or reauthorized funding.

Dr. Adams reported that for 2020, Society-wide performance goals will be centered around the ACS Core Value of Diversity, Inclusion, and Respect and around membership, especially with respect to industrial members. He reported that the preliminary findings of the Task Force on the Future of Meetings is expected next year. Dr. Adams mentioned that the Board met with members of the executive committee and staff leadership of the Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) and focused on how the two organizations can work to promote and achieve diversity in STEM and jointly support the United Nations' Sustainable Development Goals.

Dr. Adams referenced the Regular Session of the Board, that featured the work of the Task Force on the Next Generation of the ACS leadership program portfolio as well as a celebration of the tenth anniversary of the ACS Leadership Development System.

**Executive Director & CEO Thomas M. Connelly, Jr.**, began his report reflecting on the core value of Diversity, Inclusion, and Respect, and noted that the Society had just completed the first year of the ACS Bridge Program, which aims to increase the number of chemical science PhDs awarded to underrepresented minority students.

Dr. Connelly reiterated that Membership is everyone's responsibility and requested that Councilors support the Petition on Membership and Dues that is for consideration at this meeting, and will be up for action in Philadelphia unless members vote to approve the Constitution changes, in which case this petition will be withdrawn.

He recognized Dr. Brian Crawford, President of ACS Publications, on his upcoming retirement and thanked him for his leadership and his efforts in ensuring ACS journals are the most trusted, most cited, most read in the chemical sciences.

Dr. Connelly welcomed Dr. Audrey Rogerson, the new Vice President for Development, who came to ACS with 17 years of experience in development roles at Woods Hole, the Boston Science Museum, and the Bermuda Institute for Ocean Sciences.

#### Reports of Elected Committees

##### Council Policy Committee (CPC)

**Lisa Houston**, committee Vice-Chair, reported that the Long Range Planning Subcommittee hosted a New Councilor Orientation and Reception the prior evening for new Councilors and Alternate Councilors. The subcommittee is also updating the *ACS Handbook for Councilors* to reflect changes in Council and service as a Councilor since it was last published seven years ago. CPC will also be updating and distributing a Councilor Benefits survey to better serve Councilors. In reference to the survey, Ms. Houston asked Councilors to vote by clicker on the following question, results appear in parentheses:

What do you see as your primary role as an ACS Councilor?

1. To serve on an ACS committee (36 votes, 9%)
2. To govern the Society (with the Board of Directors) (57 votes, 14%)
3. To serve as a representative of the members within my Local Section or Division (260 votes, 63%)
4. To network with fellow Councilors and members to learn best practices (5 votes, 1%)
5. To attend National Meetings and learn more about the chemical enterprise (4 votes, 1%)
6. To serve as an officer or leader within my local section or division leadership. (52 votes, 13%)

Ms. Houston reported that the Future Council Representation Working Group continued its discussions on how to design a Council that best serves the Society in its advisory role to the ACS Board of Directors. The Working Group discussed how to serve members with Council representation, the best methods for allocating representation between local sections and technical divisions, and how best to involve younger members in the national governance structure. She then led another series of clicker questions, asking the following:

What percentage of ACS members are not represented on Council, either through a local section or technical division?

1. 1-5% (98 votes, 24%)
2. 5-10% (84 votes, 20%)
3. 10-15% (86 votes, 21%)
4. 15-20% (145 votes, 35%)

She reported that over 19,000 members, or 12% of the ACS membership is not represented by Councilors. This includes 3,093 individuals who live in unassigned territories in the United States and are not members of a technical division; and 16,054 international members who are not members of a division.

The next question posed was:

Should all ACS members have representation on Council?

1. Yes (341 votes, 82%)
2. No (77 votes, 18%)

Ms. Houston thanked Councilors for their votes, and concluded her report by mentioning that the Future Council Representation Working Group, is looking at various models to enable Council representation for all members. The input provided by votes will help inform the work of this group. CPC will share ideas with Council and seek feedback on implementation of any new models.

#### Committee on Committees (ConC)

**Carolyn Ribes**, committee chair, reported that the ACS Bylaws 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. In fulfilling the Bylaws mandate, performance reviews for two committees have been completed.

7. VOTED, on the recommendation of the Committee on Committees and with the concurrence of the Council Policy Committee, that the Committees on International Activities and Professional Training, subject to concurrence by the Board of Directors, as required, be continued.

Dr. Ribes reported that ConC conducted its second demographic survey of the 32 Council-related committees, and will hold its annual New Chairs Training Session next year as part of the ACS Leadership Institute in Atlanta, GA.

On behalf of Council, she recognized members and committee chairs who will have served the statutory limit or have otherwise completed their service on their ACS governance committees at the end of 2019.

Dr. Ribes thanked Councilors for their anniversary milestones including their 15, 20, 25, and 30 years of service.

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

**Amber S. Hinkle**, committee chair, reported the results of the morning's elections for membership on the elected committees in 2020 (see items 3, 4, and 5 above).

Dr. Hinkle reported that the committee received positive feedback from those who attended the Director-at-Large Town Hall Meeting. For all Town Hall Meetings, suggestions for improvement or questions can be submitted to [nomelect@acs.org](mailto:nomelect@acs.org). Ballots for the 2019 fall national election will be distributed beginning September 30, with a voting deadline four weeks later, on October 25. All candidates will be notified of the election results by October 29.

She noted that during the week of September 4, Survey & Ballot Systems, the ACS election vendor, will send to all members eligible to vote who have an email address on file, a notice with the option to request a paper ballot. Those members who do not have an email address on file will be sent a paper ballot with the option to vote electronically. Three email reminders of the deadline for voting will be sent to those who have not voted during the voting period.

Dr. Hinkle reported that the candidates who will appear on the ballot for the 2019 national election for President-Elect in 2020 are H. N. Cheng and Carol A. Duane. For Directors-at-Large (2020-2022), the candidates are Harmon B. Abrahamson, G. Bryan Balazs, D. Richard Cobb, and Dorothy J. Phillips. For District II Director (2020-2022), the candidates are Christina C. Bodurow, Dawn Mason, and Ellene Tratras Contis. For District IV Director (2020-2022), the candidates are Rigoberto Hernandez and Lisa Houston.

She reminded Councilors that all ACS members are encouraged to vote for President-Elect and the Constitutional amendments, Councilors are to vote for Directors-at-Large, and members of the appropriate districts vote for District Directors. Councilors can view candidate information at [www.acs.org/elections](http://www.acs.org/elections).

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

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

**Joseph A. Heppert**, committee chair, reported that for 2019, through July 31, ACS generated a net from operations of \$30.1 million, which was \$10 million favorable to the Approved Budget, and \$1.7 million less than the same period in 2018. Total revenues are right on budget at \$338 million. Total expenses are \$308 million, which is \$10 million favorable to budget. He briefly reviewed the Society's sources of net contribution, which totaled \$66 million and primarily include Information Services (e.g., CAS and Publications) and Investments. These sources fund net expenses associated with Society Programs, Web Strategy & Operations, and other support activities. Dr. Heppert said that the Society is in compliance with each of the five Board-established financial guidelines and expects to be in compliance at year-end as well. He noted the growth in unrestricted net assets since 2015, with an estimate of \$355 million as of July 31, 2019. The \$63 million year-to-date improvement is the result of the net from operations and investment gains, offset by increased accounting charges for the Society's two closed postretirement benefit plans. Dr. Heppert noted that B&F considered and the Board reauthorized funding for the for the *ChemIDP* and *International Student Chapters Programs*, and new funding for the *Green and Sustainable Chemistry Education Resources* pilot.

##### Education (SOCED)

**Jennifer Nielson**, committee chair, reported that the committee presented four awards during the ChemLuminary Awards ceremony the prior evening. She announced that the U.S. Chemistry Olympiad team earned three gold medals and one silver medal at the 51<sup>st</sup> International Chemistry Olympiad in Paris,

France, held July 21-30. The committee considered revisions to the ACS Science Education Policy Statement, which expires in 2019, and SOCED voted to propose that the ACS Board of Directors adopt the revised ACS Science Education Policy Statement. Dr. Nielson mentioned that SOCED received an update on the American Association of Chemistry Teachers, which recently held a strategic planning retreat, and that SOCED is planning a 2020 workshop on chemistry and art, based on the success of the “Music & Chemistry in Education Workshop” that was held at the spring 2019 ACS national meeting.

#### Science (ComSci)

**Martin G. Kociolek**, committee chair, reported that the editor-in-chief of ACS Sustainable Chemistry & Engineering met with the Committee to provide an overview of the journal, highlighting the significant growth and impact of this publication since its launch in 2013. ComSci reviewed the white paper, “Chemistry, ACS, and the U.N. Sustainable Development Goals”. The Director of Product Management at Chemical Abstracts Service provided the Committee with an overview of how data mining techniques can help identify emerging areas of science. In collaboration with the ACS journal, Accounts of Chemical Research, ComSci organized a “Water for Two Worlds” symposium in San Diego. The Committee co-sponsored the “Immersive Virtual Reality for Molecular Design” symposium. The subcommittee on Public Policy is preparing summary reports on five policy statements that will expire in 2020, to guide the work of the writing teams. These policy statements address competitive U.S. business climate, science and technology funding, scientific integrity in public policy, sustainability in the chemical enterprise, and visa restrictions. Dr. Kociolek noted that ComSci voted to endorse the Petition on Membership and Dues and received updates on ACS efforts to address sexual harassment and the committee demographic survey.

#### Reports of Standing Committees

##### Economic and Professional Affairs

**Frank Romano**, committee chair, reported that the ACS 2019 Salary & Employment Data Survey was distributed in April 2019 to more than 100,000 ACS members under age 70. The response rate was 7.26 percent, which was statistically valid at a 95 percent confidence level. ACS will be able to use this year’s data to update the salary calculator. He reported the levels of domestic unemployment for ACS members, median salaries, and the breakdown of ACS membership by the sector in which they are employed.

8. VOTED, on the recommendation of the Committee on Economic and Professional Affairs, and with the concurrence of the Council Policy Committee, to approve the updated *Chemical Professional’s Code of Conduct*.

Mr. Romano concluded his report by providing data on the participation levels at this meeting’s Career Fair.

##### Membership Affairs (MAC)

**Brian M. Mathes**, committee chair, reported that MAC is adjusting the price of membership in discrete communities through market tests. These tests led to membership growth last year and while successful, it is far from sustainable and scalable. He noted that the benefits of ACS membership can be adapted to offer increased value to members through enhanced and exclusive offerings. After hearing significant feedback from members and Councilors, Dr. Mathes reported that the committee is seeking to remove barriers in systems and business processes, and implement rational changes to the Society’s dues and benefits structures with the approval of Council.

##### Meetings and Expositions (M&E)

**Kevin J. Edgar**, committee chair, reported that 9,594 scientific papers were presented at this national meeting. As of August 26, the total attendance for this meeting was 12,409. The Exposition had 405 booths

with 266 exhibiting companies, including the career fair. He reported that the Technical Programming subcommittee has proposed a method for setting later deadlines for fall meeting abstract submissions, after the spring meeting concludes, by enacting early room assignments for the fall 2020 meeting. By recommendation of the same subcommittee, M&E will conduct a one-day experiment at the 2021 spring National Meeting in San Antonio, TX, to create a dedicated mid-day window for poster programming in the exhibit hall, to prepare for the broader experiment in Atlanta in fall 2021.

Dr. Edgar reported the Exposition and Industry subcommittee continues to address the M&E strategic goal of increasing industrial participation in the Exposition. Two show floor Expo Theaters and the Industry Networking Lounge hosted over 15 industry-focused programs including an Entrepreneur Pitch Competition, featuring eight teams of start-up companies during the two-day exhibit.

He mentioned that the M&E Subcommittee on Regional Meetings hosted a roundtable breakfast on Tuesday, August 27. This session allowed regional organizers and leadership to share best practices with their peers and provide valuable tools and resources for organizing and hosting regional meetings. Nearly 3,300 attendees participated in the five regional meetings this spring, and three regional meetings will take place this fall.

#### Divisional Activities (DAC)

**James M. Takacs**, committee chair, reported that DAC voted to fund nine Innovative Project Grants (IPG) totaling almost \$56,000, hosted a breakfast meeting, the goal of which was to provide a venue for program chairs to collaborate on programming and discuss programming needs and aspirations, and held its fourth “Division Row”, designed to help divisions engage with the younger chemists who predominate at Sci-Mix. DAC acknowledged the efforts of the divisions and the Multidisciplinary Program Planning Group in organizing and delivering a wide range of excellent programming in support of the Orlando theme: “Chemistry for New Frontiers”

#### Local Section Activities (LSAC)

**Jason E. Ritchie**, committee chair, recognized the following sections for the 2018 Awards for Outstanding Performance for Local Sections at the 21st Annual ChemLuminary Awards celebration: Small - Kentucky Lake; Medium small - Savannah River; Medium - Midland; Medium large - Portland; Large - Greater Houston; and Very large - New York. In addition to the Outstanding Performance Awards, LSAC was pleased to present awards to the following local sections: Best Activity or Program Stimulating Membership Involvement – Upper Peninsula; Local Section Partnership Award – Indiana; Most Innovative New Activity or Program in a Local Section – Chicago; Outstanding Collaboration Between a Local Section and Technical Division – New York and Polymeric Materials Science & Engineering; and Chemattitudes Partnership Award – Kentucky Lake. He reported that the committee approved the funding of 24 Innovative Projects Grants (IPG) for sections for a total of \$58,920 – with a yearly total of \$97,125. Dr. Ritchie highlighted the Members Engaging Through Technology (METT) grants program. METT grants are intended to assist local sections in harnessing technology to engage members and fulfill local section goals and activities. Dr. Ritchie concluded his report by noting six local sections were selected to participate in a pilot program to support their Strategic Planning Retreats in 2019.

#### Constitution and Bylaws (C&B)

**V. Dean Adams**, committee chair, reported that C&B certified five unit bylaws since the spring national meeting. He reminded Councilors that there are no petitions for action at this meeting, but there will be a petition on membership and dues for action in Philadelphia, regardless of how the ACS membership votes on the Petition to Streamline the ACS Governing Documents. Dr. Adams concluded his report by reminding Councilors that new petitions to amend the Constitution or Bylaws must be received by the Executive Director no later than December 4, to be considered by the Council at the spring 2020 Council meeting in Philadelphia.

## Reports of Other and Joint Board-Council Committees

### Chemistry and Public Affairs

**Raymond Forslund**, committee chair, highlighted resources available to Councilors under the Policy tab of the ACS website. The site is designed to facilitate advocacy by our members, provide them with information regarding federal appropriations for chemistry research, and detail ACS public policy statements for reference. Dr. Forslund pointed Councilors to the Act4chemistry and Member Advocacy Quick Links - resources that provide members with instructions on how best to engage with policymakers to advocate for ACS policies. He concluded his report by asking Councilors to join the Act4chemistry network.

### Chemists with Disabilities

**James Schiller**, committee chair, reported that the committee welcomed its third recipient of the CWD Travel Award at the San Diego meeting. Doctoral candidate, Kirin Furst, presented her research on environmental engineering as a speaker at the first ACS symposium for *Water & Health in Marginalized Communities*. Mr. Schiller noted that in celebration of IYPT, in collaboration with Michigan State University and Dow Chemical, CWD members developed a 3D printed periodic table as part of an outreach project in various communities. He noted that additional resources for chemists with disabilities are being developed and delivered via the CWD YouTube channel.

### Community Activities

**Holly Davis**, committee chair, reported that CCA completed and released for distribution the 2019 edition of National Chemistry Week's children's publication, *Celebrating Chemistry*. The theme, "Marvelous Metals," aligns well with planned celebrations for this year's IYPT celebrations. Ms. Davis noted that the committee and its partners honored outstanding outreach volunteers through ChemLuminary awards from the Alaska, Binghamton, Georgia, Kentucky Lake, Midland, Mississippi, Northeastern, Orange County, Princeton, and Virginia Local Sections. She announced the launch of the Outreach Training Program, which includes a series of in-person workshops at selected regional meetings and online courses available to all based on the successful international Festival Training Institutes, and tailored for National Chemistry Week and Chemists Celebrate Earth Week coordinators.

### Environmental Improvement

**Christopher Avery**, committee chair, reported that the committee had been working for several years on the meeting theme of this national meeting - *Chemistry and Water*. He hoped that national meeting attendees availed themselves of the opening session and the environmental film festival. Dr. Avery encouraged other ACS entities to work with CEI on the 17 United Nations Sustainable Development Goals, a major priority for the committee. Specifically, he mentioned the committee's work in addressing the problem of single-use plastics and their impact on the environment.

### Ethics

**Judith Currano**, committee chair, reported that the committee is moving away from a subcommittee structure and adopting short-term project groups focused on particular tasks. She mentioned that the committee was able to add two questions related to ethics on the ACS Salary Survey to gauge member interest in each. Ms. Currano recognized the Silicon Valley Local Section as the inaugural recipient of the ChemLuminary Award for Outstanding Local Section Programming Related to the Promotion of Ethics in Chemistry.

### International Activities (IAC)

**Jens Breffke**, committee chair, reported that the committee recently held a strategic planning retreat, hosted the Organisation for the Prohibition of Chemical Weapons at the committee's open meeting, and welcomed Immediate Past President Peter Dorhout to speak during their luncheon. For the International Welcome Reception, the committee hosted several hundred national meeting attendees and celebrated IYPT.

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

### Minority Affairs

**Ann Kimble-Hill**, committee chair, reported that the committee, in conjunction with the Diversity & Inclusion Advisory Board, is in the process of developing content for a new ACS Leadership Institute workshop to give future and current ACS leaders a toolbox for developing diverse, inclusive, and respectful teams. She noted that the members of the CMA Membership Engagement and Professional Development subcommittee piloted the second phase of a diversity workshop on the topic of equality vs equity. Dr. Kimble-Hill mentioned that the committee is committed to forming partnerships to remedy the barriers to diverse representation in societal programming and education efforts. She was pleased to report that the ACS Scholars Program continues on an upward trajectory, with more than 310 ACS Scholar alumni having earned a doctoral degree, and the selection of 138 new scholars. There were 89 graduates this year and about half of the chemistry majors received an ACS accredited degree. She asked Councilors to follow the committee's activity on social media and visit [www.chemdiversity.org](http://www.chemdiversity.org).

### Patents and Related Matters

**Kirby Drake**, committee chair, said that the overriding question the committee seeks to answer is: Why should chemists care about patents and intellectual property? She noted that intellectual property protections help ensure that there are fair and appropriate incentives to innovate, and to that end the committee is working to advise the Society, as Congress once again takes up the issue of patent reform. As part of a collaboration with the U.S. Patent and Trademark Office, the committee seeks and places volunteer chemical scientists and engineers, to participate in the PTO's Patent Examiner Technical Training Program. Ms. Drake noted that the committee recommends deserving chemical scientists and engineers as nominees for external awards to the ACS Board, such as the National Inventors Hall of Fame, the National Women's Hall of Fame, and the National Medal of Technology and Innovation. She was excited to announce the impending induction of a preeminent industrial chemist into the National Inventors Hall of Fame.

### Professional Training

**Edgar Arriaga**, committee chair, reported that at this meeting, the committee reviewed undergraduate chemistry programs by using the new Chemistry Program Approval and Review System (CPARS). For the first time, review outcomes were available to institutions within days of the decisions, and 24 programs were reviewed using this new system at this meeting. Dr. Arriaga noted that the committee continues to develop a new set of guidelines that provide flexibility and encourage innovation. He noted that CPT met with the Society Committee on Education during a working lunch on Friday to discuss holistic methods for assessment. Dr. Arriaga reported that CPT convened two focus groups on the changes and innovations in teaching laboratory courses, and best practices and successes in welcoming, recruiting, hiring, and maintaining a diverse faculty. The committee reached out to department chairs from institutions with graduate programs to discuss holistic graduate admissions, defining success for graduate students, identifying skills that help graduate students be successful, and approaches to incorporate development of these skills into the undergraduate curriculum. He mentioned that CPT has partnered with membership services to provide complimentary three-year memberships to students that complete the ACS approved curriculum. This program was introduced this summer and currently has over 200 students that have taken advantage of the offer.

### Project SEED

**Don Warner**, committee chair, reported that the committee held a strategic planning retreat that was focused on three goals: fostering the sustainability of Project SEED, identifying and establishing working relationships with stakeholders and promoting growth, and identifying, implementing, and promoting essential elements of a high quality SEED program. He noted that the committee approved projects at 143 academic, government, and industrial laboratories doing meaningful chemistry research across the U.S. Dr. Warner was pleased to report that the *50 Forward Campaign* successfully brought the SEED endowment to \$8.78 million, with an additional \$1.39 million in estate intentions. The program also received an unanticipated bequest of \$500,000 from the estate of Joseph D. Loconti, an ACS member 78 years. Dr. Warner encouraged Councilors to continue to use the Project SEED check-off option when renewing ACS membership, to work with local sections to discover multiple methods of supporting SEED programs in your area, and to volunteer to host SEED activities. He acknowledged the Outstanding 2018 Project SEED Program and the New York Local Section.

### Public Relations and Communications

**Amber Charlebois**, committee chair, reported that the committee has been busy creating resources and tools for local sections, committees, and divisions, and is offering its services to conduct a PR Makeover to these ACS entities. Dr. Charlebois asked Councilors to submit worthy nominees for the Helen M. Free Award for Public Outreach and the ACS National Grady-Stack Award for Interpreting Chemistry for the Public. She acknowledged the following: Sir Martyn Poliakoff, the 2019 Grady-Stack Award winner; Dr. Frankie Wood Black, the 2019 recipient of the Helen Free Award for Public Outreach; and the Silicon Valley and Nashville Local Sections on winning the ChemLuminary Outstanding Awards in Public Relations.

### Senior Chemists

**Milton Levenberg**, committee associate, reported that the committee co-hosted the third “Networking with Chemistry Professionals” event with the Younger Chemists Committee. The Senior Chemists Breakfast featured keynote speaker Ralph Keeling, Professor of Geochemistry at the Scripps Institution of Oceanography and son of Charles Keeling, creator of the famous Keeling Curve. He noted that a highlight of this meeting was the “Meyer: The First 100 Years” special symposium and reception held in honor of Gerry Meyer for his leadership and service as an ACS member for 80 years. Dr. Levenberg noted that ChemLuminary Awards were presented at this meeting to the Corning Section for the Best Ongoing Senior Activity and to the Lehigh Valley Section for the Most Innovative Activity for Senior Chemists.

### Technician Affairs

**Jennifer McCulley**, committee chair, reported that the committee recognized a chemical technical professional, Laura Nielsen at Phillips 66, with the National Chemical Technician Award. She was pleased to highlight that the committee selected the Brazosport Local Section for the 2019 ChemLuminary award, Best Event or Activity Organized by, or Benefiting, the Applied Chemical Technology Professional Community.

She noted that the Professional Development Subcommittee and Stakeholders Outreach Subcommittees are planning and researching the next activities in career development and the benefits of ACS membership for the chemical technical professional.

### Younger Chemists

**Matthew Grandbois**, committee chair, highlighted that the committee was pleased to recognize the East Central Illinois and Georgia YCCs as the winners of ChemLuminary Awards. He noted that the committee hosted a special symposium in collaboration with the Committee on International Activities, honoring the



“elements” selected as part of the International Year of the Periodic Table celebrations. These elements comprised the IUPAC Periodic Table of Younger Chemists. YCC collaborated with the Diversity & Inclusion Advisory Board and our sister societies at the spring 2019 national meeting in Orlando to showcase younger chemists from underrepresented groups to invited industrial companies as part of the Diversity & Inclusion Reception. Continuing with its program to “Catalyze the Vote”, he noted that the committee will be collaborating with ACS Webinars to host an interactive Live Virtual Town Hall where younger members can engage with candidates for ACS President-Elect on a variety of topics. Dr. Grandbois encouraged Councilors to follow and interact with younger chemists through various social media platforms.

#### New Business

##### Resolutions

The Council adopted the following resolutions:

10. BE IT RESOLVED That the Council of the American Chemical Society expresses to the officers and members of the San Diego Local Section, host Section for the 258<sup>th</sup> national meeting, the sincere appreciation of the Council and of the entire Society for the cordial hospitality extended to all registrants at this meeting, and that the Council convey special thanks to the divisional program chairs and symposium organizers responsible for the outstanding technical sessions, as well as headquarters staff, for the planning and execution that have assured the success of the 258<sup>th</sup> national meeting.

11. BE IT RESOLVED That the Council of the American Chemical Society congratulates Dr. Gerry Meyer on his 100<sup>th</sup> birthday and his 80 years of membership in ACS. The Council extends its thanks to him for his decades of service in Technical Divisions, Council, Regional Meetings, and the ACS Scholars Program.

There being no further business, the meeting adjourned at 10:57 a.m.

Flint H. Lewis  
Secretary

## REPORT OF INTERIM ACTIONS, COUNCIL POLICY COMMITTEE

Since the meeting of the Council on August 28, 2019, the Council Policy Committee has taken the following actions:

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

The Council Policy Committee met by conference call on Thursday, November 21, 2019 and approved the updated *Petition on Benefits and Dues* (Standing Rule I, Sec. 5, b, 9, 10 and Standing Rule II, Sec. 5, a). The Petition –approved by the Committee on Membership Affairs on Friday, November 22, 2019 - is now ready for Council Action in Philadelphia.

## NOMINATIONS FOR PRESIDENT-ELECT

Action Requested: The Committee on Nominations and Elections has selected the following nominees for 2021 President-Elect:

Frank D. Blum  
Mary K. Carroll  
Michael P. Doyle  
Angela K. Wilson

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

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

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

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

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

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

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

**Member:** Member ACS since 1976, *ACS Divisions:* Colloid and Surface Chemistry; Polymer Chemistry; and Polymeric Materials: Science and Engineering.

**Related activities:** Stillwater Citizens Advisory Board on Recycling Options, 2019-20, Joint CPC-N&E Working Group on Electronic Voting at Council, 2008; University of Missouri Research Board, Member, 2006-08; President, President-Elect, Secretary, Parliamentarian, University of Missouri-Rolla Academic Council, 2004-08; Chair, Graduate Council and Graduate Faculty (UMR), 1994-96; *Visiting Professor*, Physical Chemistry 1, Lund University, Lund, Sweden, 1997; *Visiting Scientist*, IBM Almaden Research Center, San Jose, CA, 1992; published 250 articles; supervised 36 Ph.D., 20 M.S., 11 Postdoctoral, 13 undergraduate and 7 high school students in the areas of polymer science, colloid chemistry, NMR spectroscopy and friction materials.

**STATEMENT**  
**Frank D. Blum**

As a 44-year member, 35-year volunteer and 30-year Councilor, I have developed a strong devotion to the ACS. It is my home and has no equal. Representing the South Central Missouri Local Section and the Division of Polymer Chemistry as a Councilor has been a great honor. I have met and worked with people who have made my ACS service a wonderful and important part of my life. I feel that through my broad leadership and committee/task force roles, I have grown an appreciation for the depth and breadth of the ACS, and it is awesome. I also think I have played a role in helping our Society become better and stronger. I am ready to lead our Society in my next role. If elected, I plan to continue teaching and research. I've observed some excellent role models who have balanced these responsibilities with the ACS Presidency and made significant impact on both fronts. The ACS has made our country and our discipline better and our future leaders need to be knowledgeable, secure, hardworking and creative. Changes in technology, information, and interconnections now move (in some cases, literally) at the speed of light. Current and future changes will have scientific, moral and ethical consequences. ACS can help address these consequences as chemistry truly is the central science.

Some of our major efforts should be on:

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

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

**Local Section/Division Support.** My proudest ACS accomplishment was when the Council, Board, and Membership changed the Constitution and Bylaws to earmark 20% of membership dues for direct assistance to local sections and divisions. I was pleased to work with several others to make the case for and pass this impactful effort. A significant effect of these changes was to shore up the finances of these units. It is critical that we continue to improve support for our volunteer units.

**Diversity.** I believe that more diverse groups make better decisions and can be more forward thinking. They are better prepared for the future. I am a firm supporter of diversity and inclusion within the Society. A particular need is for developing chemical professionals from underrepresented groups. As our future workforce changes, we need to ensure that students see that there is a meaningful place for them in a technological workplace, regardless of their demographic.

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

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

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

"I am proud to be an ACS member."

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

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

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

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

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

**Services in ACS national offices:** Committee on Science, Committee Associate 2019; Leadership Advisory Board, 2018-10, Committee Associate, 2014-17; Board/Council Policy Committee Task Force on Governance Design, co-chair, 2016-19; Committee on Planning, 2017; Council Policy Committee, (voting) 2013-18, Vice-Chair, 2017, 2010-12 (non-voting); Committee on Education, 2005-12, Chair, 2010-12, Committee Associate, 2001-04; ACS Strategic Plan Education Goal Working Group, 2011, Chair, 2011; Program Review Advisory Group, 2010-11; Advisory Board, Graduate Education, 2010-12; Women Chemists Committee, 2004, Committee Associate, 2001-03.

**Service in ACS offices:** *Eastern New York Section:* Councilor, 1998-22; Alternate Councilor, 1995-97; Education Committee, 1993 to date.

**Member:** Member ACS since 1986. Society for Applied Spectroscopy; International Sol-Gel Society; Materials Research Society; Sigma Xi. *ACS Divisions:* American Association of Chemistry Teachers; Analytical Chemistry; Chemical Education; Inorganic Chemistry; Polymer Chemistry; and Small Chemical Businesses.

**Related activities:** Union College, Director, Undergraduate Research, 2005-08; Associate Professor, 1998-2005; Assistant Professor, 1992-98; Union College Chemistry Club (ACS Student Chapter) Faculty Advisor, 2018, 2013, 1994-09; Student Awards Committee, New York Section, Society for Applied Spectroscopy, 2006-12, Chair, 2006-12; University at Buffalo, Research Assistant Professor, 1997-2000; University of Massachusetts, Amherst, Postdoc, 1991-92; Indiana University, Lecturer, 1990; Published 45 journal articles and three book chapters; holds three patents.

### **STATEMENT** **Mary K. Carroll**

I am proud to be an ACS member volunteer and truly honored to be a nominee for ACS President-Elect.

#### **My ACS Story**

My first exposure to ACS was in high school when, along with other students who sat for a chemistry competition exam, I was invited to attend a meeting of the Rochester Local Section. I earned a BS degree from an ACS-approved chemistry department. During the summer before graduate school, an ACS Division of Analytical Chemistry Summer Internship provided me with the opportunity to participate in industrial research. For my final year of doctoral studies, I received an ACS Division of Analytical Chemistry Graduate Fellowship. A grant from the ACS Petroleum Research Fund allowed me to explore a new research direction, which led to subsequent funding from the National Science Foundation and contributed to the development of the vibrant interdisciplinary research program in aerogel materials that I co-direct today. And, through taking on ACS service roles within the Eastern New York Section and on national committees, advisory boards, task forces and working groups, I've had opportunities to develop my teamwork and leadership skills, working with and being mentored by other dedicated colleagues from diverse backgrounds while giving back to the community. I firmly believe in 'paying it forward.'

#### **Education as a Core Value and Goal**

The ACS, through its programs and policy statements, has taken and must continue to assert a leadership role in supporting science education. I bring considerable experience in this area. My career has been spent at a liberal arts college, where I teach introductory chemistry, analytical chemistry and chemical instrumentation, as well as courses for non-science majors, advise students and have an active research program through which I mentor undergraduate researchers. During my years on the Society Committee on Education (SOCED), I worked on initiatives related to education at all levels. One highlight: in 2011, I led a team of key ACS education committee stakeholders in a short-term, high-impact effort to consider concepts that might be used in the Society's strategic plan for 2012 and beyond. We focused on outcomes ACS should pursue among areas where chemistry and education intersect. This working group urged adoption of an explicitly education-focused Goal in the ACS Strategic Plan, along with specific outcomes for K-12 and higher education, and emphasized that **ACS is uniquely positioned, and therefore obligated, to lead in promoting excellence in chemical education.** The Board of Directors subsequently adopted a Strategic Plan in which education features prominently as Goal 3 (currently, 'Support Excellence in Education').

### **Effective Engagement of All Members**

A major challenge faced by professional societies, including the ACS, is declining membership. In a time of rapid change – both in career paths and in methods of communication – ACS must articulate and demonstrate the value of membership to new and continuing members. To remain relevant, **ACS must support and engage members at all professional stages**, as students, throughout their careers and into retirement, wherever their paths take them. I interact with undergraduate students on a daily basis. Most of these students will have careers that differ substantially from mine: they will work in multiple fields for several employers in different locations. It is critically important for ACS to encourage members to be lifelong learners, prepared to build upon their education and gain expertise in areas that might not even exist today, and establish and continually cultivate their professional networks. Although ACS offers an outstanding array of professional and leadership development programs, relatively few ACS members take advantage of these. ACS has a well-deserved reputation among other professional societies for robust member volunteerism at the local and national levels; however, the established ACS governance structures, which enable and support continuous efforts but often require long-term commitments and travel to meetings, underutilize the talents of some members, including technicians and other industrial professionals, international members, faculty members in high schools and at two-year colleges as well as both early-career and senior chemists. Providing more focused, short-term opportunities for members with a broad diversity of backgrounds and experiences to contribute meaningfully to ACS initiatives would be of substantial benefit to the Society.

**What Can, and What Should, ACS Do?** No one person has all the answers. Regardless of the outcome of this election, I am committed to working constructively, respectfully, collaboratively and creatively with you to advance ACS for its members and society. It would be an honor to do so as President-Elect.

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**DOYLE, MICHAEL P.** *San Antonio Section.* University of Texas at San Antonio, San Antonio, Texas.

**Academic Record:** College of St. Thomas, B.S., 1964; Iowa State University, Ph.D., 1968.

**Honors:** ACS Fellow, 2009; Hillebrand Award, Chemical Society of Washington, 2014; Edward Leete Award, Organic Chemistry Division, ACS, 2007; Moser Award, Santa Clara Section, ACS, 2005; Pimentel Award in Chemical Education, ACS, 2002; Gassman Distinguished Service Award, Organic Chemistry Division, ACS, 1998; Norris Award for Outstanding Achievement in Teaching Chemistry, Northeastern Section, ACS, 1995; ACS Award for Research at Undergraduate Institutions, 1988; Henry J. Albert Award, International Precious Metals Institute, 2020; NOBCCHE Presidential Award for Outstanding Partner in Academia, 2011; Faculty Minority Achievement Award, University of Maryland, 2010; Royal Society of Chemistry Fellow, 2009; Arthur C. Cope Scholar Award, 2006; Merit Award, National Institutes of Health, 2003; Japan Society for the Promotion of Science Invitation Fellowship, 1996; Alexander von Humboldt Senior Research Award for U.S. Scientists, 1995; AAAS, Fellow, 1995; Doctor Honoris Causa of the Russian Academy of Sciences, 1994; CMA Catalyst Award, 1982; Dreyfus Foundation Teacher-Scholar Award, 1973; U.S.P.H.S. Fellow, 1966-67.

**Professional positions (for past 10 years):** University of Texas, San Antonio, Professor and the Rita and John Feik Distinguished University Chair in Medicinal Chemistry, 2015 to date; University of Maryland, College Park, Professor, Department of Chemistry and Biochemistry, 2003-14, and Department Chair, 2003-13.

**Service in ACS national offices:** Committee on Publications, 2014-16, 1997-99, Committee Associate, 2012, Consultant, 2000-01, Chair, 1997-99; Committee on Budget and Finance, Committee Associate, 2012-13; Advisory Board for Petroleum Research, 2008-10; Committee on Nominations and Elections, 2002-07, 1993; Committee on Committees, 1996-98; Committee on Membership Affairs, Chair, 1990-92; Committee on Professional Training, 1985-90; Committee on Science, 1995-2003, Committee Associate, 1993-94; Professional Programs Planning and Coordinating (PROPPACC), 1990-92; Board of Trustees, Group Insurance Plans for ACS Members, 1991-92; Council Policy Committee, ex officio (Nonvoting), 1990-91; Editorial Board, *Chemical & Engineering News*, 2014-16.

**Service in ACS offices:** *Chemical Society of Washington Section:* Councilor, 2013-15, Chair, 2010-11. *Middle Atlantic Regional Meeting (MARM):* General Chair, 2011. *Organic Chemistry Division:* Councilor, 1990-2011, Co-Chair, 1989-90, Chair, 1992-93, Chair-Elect, 1992.

**Member (current):** Member ACS since 1965.

**Related activities:** Advisory Council, FDA-UMD Joint Institute for Food Safety and Applied Nutrition, 2016 to date; Research Grants Council (Hong Kong), 2015-20; AAAS Member-at-Large, Chemistry Section, 2015-19; Member, Commission on Graduate Education in the Chemical Sciences, ACS, 2012. International Chemistry Olympiad: Co-Chair, Scientific Committee, ACS hosted IChO at the University of Maryland, 2012; Member, Board of Directors, Council for Chemical Research, 2008-10; Research Corporation, President, 2002, Vice-President, 1997-2001; University of Arizona, Professor, 1997-2003. Trinity University, Dr. D. R. Semmes Distinguished Professor of Chemistry, 1984-97; Council on Undergraduate Research, Councilor, 1978-90, 1991-94, Chair, 1987-89, President, 1978-83, and Editor of the *CUR Newsletter*, 1978-93; Hope College, 1968-84.

### **STATEMENT** **Michael P. Doyle**

I was attracted to chemistry in high school and never lost my love for its logic and its mysteries. Because of my high school experience and being the first in my family and the only one of my siblings to enter college, I was determined to be a chemistry major; and even though I received a C grade in my first chemistry course, I improved sufficiently to be able to apply to graduate school. And it was early in my first year of graduate school that I learned that I could be recommended to be a member of the American Chemical Society. Since that time, the ACS has had a pivotal influence on my career, not only through information provided by its journals and Chemical Abstracts, but also in associations with other chemical scientists through ACS Local Section and Division activities and through leadership opportunities provided in ACS Committees and Council. I am honored to be nominated for consideration to be a candidate for 2021 President-Elect of the ACS.

Nearly thirty years of my career have been spent in undergraduate institutions where education is their primary mission, and I have developed a reputation for encouraging students into the chemical sciences through engagements in research early in their careers (Rebecca Rawls, "An Undergraduate Champion", *C&EN*, Vol. 80, no. 39, September 30, 2002, pg. 30-31). I was one of the founders of the Council on Undergraduate Research, as well as the first Chairman (1987) of the National Conferences on Undergraduate Research (NCUR) that merged with CUR in 2011. In 1997 I moved to graduate institutions and to a science foundation to further accelerate my research and administrative experience. At the University of Maryland, I led the department in its recognition as a center for diversity in the preparation of underrepresented minorities for the Ph.D. degree in chemistry and biochemistry (Lauren K. Wolf, "Blueprint for Boosting Diversity", *C&EN*, Vol. 89, issue 51, December 19, 2011, pg. 41-42), as well as arranging for the University of Maryland to be the host site for the 2012 International Chemistry Olympiad,



sponsored by the ACS. Currently, I am engaged in research and educational activities in the Hispanic-serving University of Texas San Antonio aiming to increase the involvements of the minority communities in the chemical sciences.

I truly believe that the ACS and its members are potent forces for change. We live in an increasingly complex world where the chemical sciences are too often seen as the problem rather than the solution, where education is a burden on society rather than a benefit, and where established facts are in dispute. The ACS has the infrastructure to meet these challenges, and its dedicated membership has the determination and resources to positively impact policy and practice. A first item of business in my agenda is to raise the status of the profession. Marketing chemical scientists as producers of wealth, entrepreneurs, protectors of the environment, and guardians of safety in the workplace and home, consistent with ongoing ACS activities (for example, the committees on Chemistry and Public Affairs, Community Activities, Environmental Improvement, Public Relations and Communications, and Science) can be enhanced.

The ACS must be a leader in informing the government and the public about the scientific issues that are increasingly impacting our society (climate change, human health, energy, AI, for example) and engage our communities in discussing the economic and ethical concerns that surround these issues (P&MR, PA&PR, SCC, WCC, and CPT, for example). The ACS has, through its publications and Chemical Abstracts, the largest repository of experimentally reproducible and predictive information of any scientific society in the world.

Education is intimately linked with the ACS, and the standards set for an education in the chemical sciences by the Committee on Professional Training have protected the discipline from erosion in quality. My first societal appointment with the ACS was to the CPT, and I have watched its evolution over the years and seen its philosophy extend to community colleges and high schools. I am supportive of ACS involvements with the Innovations in Mentoring, Training, and Apprenticeships Act (Public Law No: 115-402) that encourages and assists growth in associate degree or certificate programs in STEM fields.

The ACS is an international leader in publications, membership, meetings, and education, and its interactions with other scientific societies is essential. Over the past decade I have made 3-5 international trips annually (Asia, Europe and South America) and have seen opportunities for cooperation and enhanced involvements. I understand the need for the ACS to be an international organization while retaining its unique mission as the American Chemical Society.

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**WILSON, ANGELA K.** *Michigan State University Section.* Michigan State University, East Lansing, Michigan.

**Academic record:** Eastern Washington University, B.S., 1990; University of Minnesota, Ph.D., 1995.

**Honors:** Wilfred T. Doherty Award, Dallas Ft. Worth Section, ACS, 2014; ACS, Fellow, 2010; Robert S. Mulliken Lecturer, University of Georgia, 2019; Karcher-Barton Lecturer, University of Oklahoma, 2019; Michigan Women's Hall of Fame, 2018; Francis P. Garvan-John M. Olin Medal, 2015; American Physical Society, Fellow, 2013; International Union for Pure and Applied Chemistry (IUPAC) Distinguished Woman in Chemistry Award, 2013; American Association for the Advancement of Science, Fellow, 2012; Quantum Systems in Chemistry and Physics Promising Scientist Award of Centre de Mécanique Ondulatoire Appliquée, 2010; National Associate of the National Academies, 2008; Eastern Washington University Alumni Achievement Award, 2006; Wiley International Journal of Quantum Chemistry Young Investigator Award, 2004; NSF CAREER Award, 2003; NSF POWRE Award, 1999; University of North Texas, Eminent Scholar Award, 2015, Decker-Scholar, 2013-15, Foundation Leadership Award, 2013, Distinguished Lecturer, 2012, Research Leadership Award, 2011, Research-Scholar Award, 2009, Toulouse Scholars Award, 2009.

**Professional positions** (for past 10 years): Michigan State University (MSU), Associate Dean for Strategic Initiatives, MSU College of Natural Sciences, 2020 to date, Director of the MSU Center for Quantum Computing, Science, and Engineering, 2019 to date; John A. Hannah Distinguished Professor, 2016 to date; National Science Foundation, Chemistry Division Director, 2016-18; University of North Texas (UNT), Associate Vice Provost, 2015-16, Faculty Fellow, Office of the Provost, 2013-15, Regents Professor, 2011-16, Director of the UNT Center for Advanced Scientific Computing and Modeling, 2005-16; Professor, 2009-11.

**Service in ACS national offices:** Committee on Budget and Finance, Committee Associate, 2019-20; Council Policy Committee, 2014-16; ACS national award selection committee, 2013-15, Chair, 2015; Committee on Nominations and Elections: 2009-13, Vice-Chair, 2013, Secretary, 2011-12; Committee on Science: 2007-09, Committee Associate, 2005-06; ACS Leadership Development System, Course Facilitator, 2019 to date; Editorial Advisory Board, *Journal of Physical Chemistry*, 2010-12.

**Service in ACS offices:** *Division of Physical Chemistry:* Councilor, 2020-22, 2014-16, Executive Committee, 2020 to date, 2010-16. *Dallas-Fort Worth Section:* Councilor, 2004-14, Alternate Councilor, 2003-04, Executive Committee, 2003-14. *Oklahoma Section:* Chair-Elect, 2000.

**Member current:** Member ACS since 1990. IUPAC Division of Physical and Biophysical Chemistry: Titular Member, 2010 to date, Past-President, 2018 to date, President, 2016-17, Vice-President, 2014-15, Secretary, 2012-13, Associate Member, 2006-09; U.S. National Committee for IUPAC, 2007 to date, Chair, 2014-15, Vice-Chair, 2012-13; American Association for the Advancement of Science, Chair-Elect, Chemistry Section, 2020 to date; American Physical Society, Division of Computational Physics: Member-at-Large, 2008-11, Nominating Committee Chair, 2012; IUPAC General Assembly: U.S. Delegate, 2009, 2011, 2013, 2015, Young Observer, 2003, 2005. ACS Divisions: Computers in Chemistry; Physical Chemistry, Inorganic Chemistry.

**Related activities:** *Cell Reports Physical Science*, Editorial Advisory Board, 2019 to date; *Scientific Reports*, Editorial Board, 2014 to date; *Pure and Applied Chemistry*, Guest Editor, 2018 to date, Editorial Advisory Board, 2016-17; Pacifichem, Symposium organizer, 2015, 2020 (three symposia in 2020); IUPAC Distinguished Women in Chemistry Award and Recognition Program, Organizer, 2015 to date; Big Ten Academic Alliance Academic Leadership Program, 2019 to date; State of Michigan Legislative Leadership Program, 2019. *Computational and Theoretical Chemistry*, Editor, 2014-19, Editorial Advisory Board, 2011-14; Gordon Research Conference on Computational Chemistry, Chair, 2018, Vice-Chair, 2016; *International Journal of Quantum Chemistry*, Editorial Advisory Board, 2011-18; Pacific Northwest National Laboratory, Environmental Molecular Sciences Laboratory User Advisory Board: Member, 2007-16, Past Chair, 2015-16, Chair, 2013-14, Vice-Chair, 2011-12; Harvard Institute for Higher Education, Institute for Management and Leadership in Education, 2012; Leadership Texas, 2003; edited four books including *Pioneers of Quantum Chemistry* (ACS Books) and *Recent Advances in Electron Correlation Methodology* (Oxford University Press); published 160+ journal articles and book chapters.

**STATEMENT**  
**Angela K. Wilson**

I am honored to be considered for President-Elect of the American Chemical Society. Throughout my career and for so many of us, the ACS has been an invaluable source for science, scientific news, networking, training, education, career information, employment opportunities, international opportunities, chemical safety, and so much more. The continuing vitality of the ACS over time is attributed to our involved membership, excellent ACS staff, and adaptability in times of change and anticipated change. As stated by John F. Kennedy, "Change is the law of life, and those who look only to the past or present are certain to miss the future." So, in considering the future of ACS, and, in alignment with the ACS Strategic Plan, we need to:

**Empower and equip:** Education, training, and careers are at the forefront of our society. ACS plays an important role at all levels of education. Motivating career interests in the chemical sciences and ensuring that our future workforce is well equipped for the changing needs of the chemical enterprise, from more extensive safety education to training in data science and analytics, are critical. Training and transition opportunities are important to address the changing needs of our membership, from job transitions to career enrichment. Effective routes are important to address our unemployed or underemployed members, particularly in light of downsizing, outsourcing, and relocating of operations overseas.

**Communicate and advocate:** We must improve communication to the public and to our policymakers about the importance of the chemical sciences on our national and global economies, health, national security, and daily lives. Many nations across the globe are investing heavily in the sciences and STEM education. In the U.S., federal investments in science have been mostly flat for well over a decade. At the state level, K-12 schools, particularly in economically depressed areas, often reduce or eliminate chemistry laboratory offerings because of reduced budgets and safety concerns that can shortchange student preparation. As the largest scientific society in the world, ACS needs to more strongly emphasize the chemical sciences at the state and federal levels to gain greater traction and support in areas including education, workforce development, R&D, and manufacturing in chemistry.

There is a significant gap between our exciting discoveries and the public's knowledge and understanding of our work. This became clear to me during my service as head of the NSF Division of Chemistry, when I saw first-hand the extraordinary work being done by so many in our field, and the limited national leadership realization about this work and the impact of decreasing R&D investments as compared to those of countries such as China. ACS needs to further its role as a conduit to address this communication gap, providing increased training on the communication of science to the public, and aiding the public in understanding science, inspiring a greater appreciation of the chemical sciences.

**Diversify and amplify:** Current ACS membership does not mirror the diversity that is in our society. While ACS has made important strides to improve and embrace diversity, further efforts are needed. There are pathways to pursue as a society, partnering with other organizations such as NOBCCHE and SACNAS, to be the innovator and broker of new opportunities to enhance diversity. Also, ACS should provide greater opportunities for collaboration between industry, academia, and government scientists and organizations than currently exists. The multiplicative effects can be extraordinary, impacting discovery and workforce training.

**Adapt and innovate:** A thriving society is dependent upon its membership. A challenge facing ACS has been many years of declining membership. While an upswing in membership is now occurring, ensuring currency and lasting value and impact of society membership at all career stages in an ever-evolving environment, particularly in an increasingly multidisciplinary community, is vital.

The list of ACS strengths and offerings is immense. The global leadership of ACS in the chemical sciences has been paramount. Relationships have been built and continue to be built with international and multidisciplinary scientific societies to address global challenges in research, technology, and education. ACS has the strongest journal portfolio in chemistry in the world, which continues to expand, incorporating a broader multidisciplinary focus, and withstanding the intense and growing global competition for the very best science.

Indeed, there is a bright future for ACS, but we must continue to be strategic in ensuring the society remains strong and relevant for chemical scientists.

ACS has been critical to my career for over thirty years. I look forward to further advancing the effectiveness and impact of ACS on the national and international fronts, striving to *“improve people’s lives through the transforming power of chemistry”*. Thank you for your consideration.

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ANNOUNCEMENT OF NOMINEES, DISTRICT DIRECTORS

In accordance with the provisions of Standing Rule IV, Sec. 9, candidates for District Director are selected by the voting Councilors of the District to be served. The Committee on Nominations and Elections selected the following as nominees for a 2021-2023 term:

DISTRICT III

Benny C. Chan  
Teri Quinn Gray  
Lynne P. Greenblatt  
Jeffrey L. Sturchio

DISTRICT VI

Janet L. Bryant  
Paul W. Jagodzinski  
Sharon P. Shoemaker  
Jeanette M. Van Emon

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

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

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PERTINENT PROVISIONS GOVERNING ELECTION  
OF DISTRICT DIRECTORS

Standing Rule IV, Sec. 9

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

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

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

## ANNOUNCEMENT OF CANDIDATES, DIRECTORS-AT-LARGE

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

The election of Directors-at-Large will be conducted in the fall, with ballots mailed to the Council on or before October 10. The incumbents are Wayne E. Jones, Jr. and Barbara A. Sawrey. Wayne E. Jones, Jr. is eligible for reelection and Barbara A. Sawrey is ineligible for reelection.

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

Lee H. Latimer.....2019-2021  
Ingrid Montes.....2019-2021  
Bryan Balazs .....2020-2022  
Dorothy J. Phillips. ....2020-2022

The Committee on Nominations and Elections announces selection of the following candidates for Directors-at-Large for a 2021-2023 term:

Dawn A. Brooks  
Wayne E. Jones, Jr.  
Kristin M. Omberg  
Carolyn Ribes

Biographies of the candidates follow.

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**BROOKS, DAWN A. *Indiana Section.*** Eli Lilly and Company, Indianapolis, Indiana.

**Academic record:** Ohio Northern University, B.S., 1993; Indiana University, Ph.D., 1998.

**Honors:** ACS Fellow, 2014; Distinguished Service Award, Indiana Section, ACS, 2006; Eli Lilly and Company, Progress Through Research Award, 2019; Healthcare Businesswomen Association, Rising Star Award, 2008; United Way of Central Indiana, Emerging Leaders 2009-15; Lilly Research Laboratories, Top 100 Innovators, 2013; Lilly Research Laboratories, Quality Pinnacle Award, 2009; Lilly Research Laboratories, Women in Leadership, 2008; Lilly Research Laboratories, Six Sigma Alumni of the Year, 2007; Lilly Research Laboratories, Six Sigma Black Belt of the Year, 2006; Women Chemists Committee/Eli Lilly Travel Award, 1997; Abbott Graduate Fellow, 1996-97; DuPont Associate Institute Teaching Award, 1995; Department of Education National Needs Fellow, 1993-94; Mortar Board Honor Society, Ohio Northern University, 1992-93.

**Professional positions:** Eli Lilly and Company, Global Brand Development Leader (Diabetes Business Unit), 2019 to date; Senior Advisor/COO, Endocrine Research, 2014-19; Advisor, Diabetes Clinical Development, 2012-14; Senior Director, Lilly Research Laboratories (Business Operations), 2009-12; Senior Director, API Operations, 2007-09; Six Sigma Blackbelt, 2005-06; Head of Chemistry, 2002-05; Research Scientist, 2002; Senior Organic Chemist, Discovery Chemical Research/Chemical Process and Development, 1998-2001.

**Service in ACS National Offices:** Committee on Committees, 2009-15, Chair, 2012-13; Council Policy Committee, 2012-14; Women Chemists Committee, 2001-09, Chair, 2009, Committee Associate, 1999-2000; Committee on Corporation Associates, 2005-12; Joint Subcommittee on Diversity, 2007; Collaboration of Committees Working Group, 2006.

**Service in ACS offices:** *Indiana Section:* Councilor, 2007-15, Alternate Councilor, 2004-06, Chair, 2002, Chair-Elect, 2001; 2013 ACS Fall National Meeting Executive Lead Team, 2012-13, Volunteer and Hospitality Chair, 2012-13; Women Chemists Committee, Chair, 2002-12. *Southern Indiana Section:* Secretary, 1996; Interim Treasurer, 1996; Membership Chair, 1994; Outreach Program Coordinator, 1994-96.

**Member:** Member ACS since 1993. American Diabetes Association; United Way; Washington Township Swim Club Board, 2016-18, Chair, 2017-18; Healthcare Businesswomen Association; Mortar Board Honor Society. *ACS Divisions:* Medicinal Chemistry and Organic Chemistry.

**Related Activities:** Intel International Science and Engineering Fair, Judging Coordinator and Chemical Caucus Leader, 2006; Science Education Foundation of Indiana Executive Board Member, 2002-11; NSF Joint US-Japan Workshop on Sustainable Chemistry, 2005; National Organic Symposium, Planning Committee, 2003; NSF Workshop on Organic Chemistry, 2002; Ohio Northern University, Arts & Science Advisory Board, 2001-12, Chair 2008-10; Ohio Northern University, Student Affiliates, President, 1990-1991, Treasurer, 1989-90; Technical Peer Reviewer for *Organic Letters*, *Journal of Organic Chemistry*, *Journal of Medicinal Chemistry*, *Bioorganic Medicinal Chemistry Letters*; published 11 journal articles, one textbook chapter; holds five patents in diabetes research.

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**JONES, WAYNE E., JR. *Northeastern Section.*** University of New Hampshire, Durham, New Hampshire.

**Academic Record:** St. Michael's College, B.S., 1987; University of North Carolina, Ph.D., 1991.

**Honors:** E. Ann Nalley Northeast Region Award for Volunteer Service, 2015; ACS Fellow, 2010; Distinguished Service Award, Binghamton Section, ACS, 1999; Honorary Golden Key Faculty Award 2005; State University of New York Chancellors Award for Excellence in Teaching, 2001, University Award for Excellence in Teaching, 2001; Who's Who Among American Teachers 1998, Who's Who in Science and Engineering 2001 to date; Alpha Xi Sigma Teaching Award, 1996.

**Professional Positions** (for past ten years): University of New Hampshire, Provost and Vice President of Academic Affairs, 2018 to date, Dean of Engineering and Physical Sciences, 2017-18, Professor of Chemistry and Materials 2016-2017; Binghamton University, Interim Dean of Arts and Sciences, 2012-13; Department Chair 2009-2016; Professor, 2006-2016; Associate Professor, 1999-2006; Deputy to the President, 2001-06; Director, Center for Learning and Teaching, 1996-2009; University of Pennsylvania, Visiting Professor, 2000; Assistant Professor, 1993-99.

**Service in ACS National Office:** Board Committee on Strategic Planning, 2017-2020; Board Committee on Professional and Member Relations, 2018-2020; Committee on Committees, 2014-16, Chair, 2015-16; Committee on Membership Affairs, 2010-13, Chair, 2011-13, Program Review Advisory Group, 2010-12; Council Policy Committee, ex officio (Nonvoting), 2015-16, 2010-12, 2008-09; Committee on Local Section Activities, 2003-09, Chair, 2008-09; Board Committee on Planning, (Nonvoting), 2008.

**Service in ACS Offices:** *Binghamton Section:* Councilor, 1997-2017, Chair, 2001, Chair-Elect, 2000. *Northeast Regional Meeting Board:* Treasurer, 2007-16. *34th Northeastern Regional Meeting:* Chair, 2005-06. *41st Northeastern Regional Meeting:* Chair, 2015-16. *Division of Chemistry Education:* Program Committee, 2005-15, Co-Program Chair, Denver, 2015, 2011, Chicago, 2007.

**Member:** Member ACS since 1989. American Association for the Advancement of Science; Materials Research Society. *ACS Divisions:* Chemical Education; and Inorganic Chemistry.

**Related Activities:** Graduate Program Director, 2006-09; Director, Go Green Institute, 2008 – to date; Undergraduate Program Chair, 1996-2001; SUNY Faculty Access to Computing Technology Advisory Committee, 2001-06; Guest Editor, special issue of *Journal of Educational Technology Systems*, 2005-08; Education Director, Center for Advanced Microelectronics Manufacturing, 2006-09; Science Olympiad Volunteer, 1996-2009; Science Olympiad PR Chair, 2005-09; Chemistry Olympiad Coordinator, 1995-98. Author of over 125 publications and book chapters, 9 patents, approximately 245 invited lectures, and organizer/co-organizer of 8 national and international symposia in Inorganic Chemistry, Polymer Chemistry, and Chemical Education.

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**OMBERG, KRISTIN M.** *Richland Section.* Pacific Northwest National Laboratory, Richland, Washington.

**Academic record:** Gonzaga University, B.S. in Chemistry, 1993, B.A. in Philosophy, 1993; University of North Carolina, Ph.D. in Chemistry, 1998, Doctoral Certificate in Public Policy Analysis, 1998; Los Alamos National Laboratory (LANL), Postdoctoral Fellow, 1999-2001.

**Honors:** ACS Fellow, 2012; ACS Congressional Fellowship, 1998-99; LANL Distinguished Performance Awards, 2015 and 2001; US Secret Service Certificates of Appreciation for Outstanding Support to the Democratic National Convention, 2008 and 2004; LANL Women's Career Development Outstanding Mentor Award, 2005; US Department of Homeland Security, Certificate of Appreciation for Service to National Security Special Events, 2004; R&D 100 Award, 2003; LANL Director's Postdoctoral Fellowship, 1999-2001; Sigma Xi; American Council of Teachers of Russian, Gold Medal, Northwest Spoken Russian Olympiada, 1989.

**Professional positions** (for past ten years): Pacific Northwest National Laboratory, Group Leader, Chemical & Biological Signatures, 2015 to date; Los Alamos National Laboratory, R&D Manager and Technical Staff Member, 2001-15.

**Service in ACS national offices:** Board of Trustees, Group Insurance Plans, 2017-19; Committee on Budget and Finance, 2014-19 Chair, 2015, Committee Associate, 2009-13; Council Policy Committee, (Nonvoting), 2015; Board Committee on Planning, 2015; Board Committee on Executive Compensation, 2015; Committee on Chemistry and Public Affairs, 2004-12, Chair, 2008-10, Committee Associate, 2001-03; ACS Presidential Taskforce on Enhancing Innovation and Competitiveness, 2007-08; ACS Presidential Taskforce on the Department of Energy, 2002.

**Service in ACS offices:** *Richland Section:* Past Chair, 2020; Chair, 2019; Chair-Elect, 2018; Government Affairs Committee, Chair, 2020. *Central New Mexico Section:* Councilor, 2014-16; Past Chair, 2015; Chair, 2014; Chair-Elect, 2013; National Chemistry Olympiad Coordinator, 2014-15; Executive Advisor, 2012-13.

**Member:** Member ACS since 1994. American Association for the Advancement of Science; Association for Women in Science; Sigma Xi.



**Related Activities:** Organizer/Moderator, “Averting Catastrophic Biological Incidents in the Future,” 2020 AAAS Annual Meeting; Organizer/Presider, “Synthetic Biology: The State of the Science,” American Chemical Society 256<sup>th</sup> National Meeting, 2018; Creator of bplat.pnnl.gov, a biodefense policy website; Organizer/Presider, “Symposium on Congressional Science Fellows,” American Chemical Society 230<sup>th</sup> National Meeting, 2005; Organizer/Presider, “Award Symposium for Thomas J. Meyer,” American Chemical Society 223<sup>rd</sup> National Meeting, 2002; Invited Participant, “How to Fund Science: The Future of Medical Research,” sponsored by the AAAS, 1999; Sigma Xi Annual Forum Steering Committee, 1997-98; 36 publications in peer-reviewed journals; three book chapters in the areas of inorganic chemistry and biology; one book chapter on career opportunities for chemists in government; author or co-author of more than 100 controlled publications, technical reports, and federal interagency guidance.

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**RIBES, CAROLYN *Brazosport Section.*** Dow Chemical, Terneuzen, Netherlands.

**Academic Record:** University of Buffalo, B.S., 1983, Ph.D., 1989.

**Honors:** ACS, Award for Volunteer Service to the American Chemical Society, 2019; ACS Fellow 2014; IUPAC 2011 Distinguished Woman in Chemistry/Chemical Engineering; Phi Beta Kappa.

**Professional positions** (for past ten years): The Dow Chemical Company, Business Envelope Analytical Leader, Industrial Intermediates & Infrastructure, 2019 to date; Business Analytical Leader, Dow Coating Materials, 2016-19; Analytical Technology Center, Business Analytical Leader, 2009-16; Analytical Sciences, R&D, Technical Leader, 2006-09.

**Service in ACS national offices:** Committee on Committees, 2016-21, Chair 2018-20; Task Force on Governance Design, 2017-18; Council Policy Committee, (Nonvoting), 2018-20, (Voting) 2010-15, Vice Chair, 2011-13; Committee on Science, 2006-09, Chair, 2007-09; Women Chemists Committee, 2000-05, Chair, 2003-05, Committee Associate, 1999; Younger Chemists Committee, 1995-98, Chair, 1997-98, Committee Associate, 1994; PROGRESS Steering Team, 2002-05; International Strategy Implementation Group, 2008; Committee on Planning, 2010-15; Joint Subcommittee on Diversity, Chair, 2006-07; Sustainability Stakeholders Steering Group, 2009-10.

**Service in ACS offices:** *Brazosport Section:* Councilor, 2006-20, Alternate Councilor, 2000-05. *Baton Rouge Section:* Alternate Councilor, 1997, Chair, 1992, Chair-Elect, 1991. *Analytical Chemistry Division:* Treasurer, 1999-2004.

**Member:** Member ACS since 1983. International Union of Pure and Applied Chemistry. *ACS Divisions:* Analytical Chemistry and Professional Relations.

**Related activities:** Committee on Chemistry and Industry, IUPAC, Chair 2018-19, Secretary 2014-17; US National Committee for International Union of Pure and Applied Chemistry, 2004-12; Chair, 2010-11; US Representative to IUPAC Committee on Chemistry and Industry, 2007-12; Symposia Organizer for multiple ACS National Meetings and IUPAC World Chemistry Congresses; 7 publications and >100 Dow internal publications; holds two patents on analytical devices;

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## REQUEST FOR SUGGESTIONS FOR 2022 DIRECTORS AND SOCIETY OFFICERS

### A Reminder

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

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

The Committee asks each Councilor to examine the following list of positions to be filled on January 1, 2022, and the list of those continuing in related posts. Names of individuals suggested for nominations should then be inserted in the appropriate blanks. These sheets can be left on the table near the door as you leave the Council meeting, or emailed to the Chair of the Committee: Dr. Amber S. Hinkle - nomelect@acs.org

### PRESIDENT-ELECT

Incumbents in the 2020 Presidential succession are: President, Luis Echegoyen; President-Elect, H. N. Cheng; and Immediate Past President, Bonnie A. Charpentier. Nominees for President-Elect in 2021 are, Frank D. Blum, Mary K. Carroll, Michael P. Doyle, and Angela K. Wilson. From this list, two will be selected at this Council meeting to run (along with any others nominated by petition) as candidates for election this fall (see Council agenda **Item IV, A, pages 19-28**).

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

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

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

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

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

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

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

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

### **Some Major Duties:**

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

### **Some Desired Characteristics:**

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

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

Incumbents whose terms expire at the end of 2021 are Lee H. Latimer and Ingrid Montes. Lee H. Latimer is eligible for reelection. Ingrid Montes is ineligible.

Bryan Balazs, Wayne E. Jones, Jr., Dorothy J. Phillips, and Barbara A. Sawrey, are other Directors-at-Large. From the following candidates (plus any nominated by petition), two will be elected this fall for a three-year term, 2021-2023: Dawn A. Brooks, Wayne E. Jones, Jr., Kristin M. Omberg, and Carolyn Ribes (see Council agenda **Item IV, C, pages 30-33**).

### **DIRECTOR, DISTRICT I**

Elected by members of local sections having their headquarters in Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Pennsylvania (except the Philadelphia, Pittsburgh and Southeastern Pennsylvania Sections), Vermont; and those members with addresses in the states of New York and Pennsylvania and in the provinces of New Brunswick, Newfoundland, Nova Scotia, Ontario, Prince Edward Island and Quebec who are not assigned to local sections.

The incumbent, Katherine L. Lee, is eligible for re-election.

### DIRECTOR, DISTRICT V

Elected by members of local sections having their headquarters in Colorado, Idaho, Illinois, Iowa, Kansas, Michigan (except the Detroit, Huron Valley, Michigan State University, Midland and Western Michigan Sections), Minnesota, Missouri, Nebraska, New Mexico (except the Rio Grande Valley Section), North Dakota, South Dakota, Texas (except the Brazosport, Central Texas, Dallas-Fort Worth, East Texas, Greater Houston, Heart O' Texas, Sabine-Neches, San Antonio, South Texas and Texas A&M Sections), Utah, and Wisconsin; and those members with addresses in Illinois (except the counties of Clark, Crawford, Edgar, and Lawrence), Iowa, Kansas, Minnesota, Missouri, New Mexico, North Dakota, South Dakota, certain counties in Texas, Wisconsin, Michigan (except Dickinson County), and the province of Manitoba who are not assigned to local sections.

The incumbent, John E. Adams, is ineligible for re-election.

### OTHER DISTRICT DIRECTORS

The other District Directors who continue in office beyond 2021 are:

Christina Bodurow, District II

Lisa Houston, District IV

District Directors will be elected this fall for the 2021-2023 term to represent Districts III and VI. The slates of nominees are (see **Item IV, B, page 29**):

#### DISTRICT III

Benny C. Chan

Teri Quinn Gray

Lynne P. Greenblatt

Jeffrey L. Sturchio

#### DISTRICT VI

Janet L. Bryant

Paul W. Jagodzinski

Sharon P. Shoemaker

Jeanette M. Van Emon

## REQUEST FOR SUGGESTIONS FOR 2022 SOCIETY DIRECTORS AND OFFICERS

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

Dear Dr. Hinkle:

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

### **PRESIDENT-ELECT** (2022 is an Industry/Other Year)

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

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

### **DIRECTOR-AT-LARGE**

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

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

### **\*DIRECTOR, DISTRICT I**

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

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

### **\*DIRECTOR, DISTRICT V**

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

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

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

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

\*See preceding pages for territory

(This form must be received no later than May 15, 2020.)

# BALLOT COUNTS, PREVIOUS ELECTIONS

The Committee on Nominations and Elections regularly reports in the Council agenda the numerical results of balloting from nominations and elections at the previous meeting and of interim mail balloting. The following tabulations give the numerical results of the balloting at the August 28, 2019 meeting of the Council for election of members of the Council Policy Committee, Committee on Committees, and Committee on Nominations and Elections; and of mail/electronic ballots for election of President-Elect, Directors of District II and IV, and Directors-at-Large (October 28, 2019).

## COUNCIL POLICY COMMITTEE

George M. Bodner	172	Joseph A. Heppert	175
James C. Carver	177	*Lydia E. M. Hines	199
**Dee Ann Casteel	183	*Will E. Lynch	222
Kenneth P. Fivizzani	136	*Sally B. Peters	235
*Anne M. Gaffney	201	Margaret J. Schooler	178

## COMMITTEE ON COMMITTEES

Satinder Ahuja	99	Sarah M. Mullins	175
*Lisa M. Balbes	242	*Jason E. Ritchie	210
*D. Richard Cobb	266	Susan M. Schelble	172
Harry J. Elston	78	Andrea B. Twiss-Brooks	169
*Emilio X. Esposito	247	*Stephanie J. Watson	176

## COMMITTEE ON NOMINATIONS AND ELECTIONS

V. Dean Adams	132	Alan M. Ehrlich	148
Mark A. Benvenuto	126	*Alan A. Hazari	198
*Michelle V. Buchanan	212	*Amber S. Hinkle	302
*Charles E. Cannon	179	*Thomas H. Lane	288
Alan B. Cooper	163	Joseph P. Stoner	119

## PRESIDENT-ELECT

*H. N. Cheng	7,474
Carol A. Duane	4,986

## DIRECTOR, DISTRICT II

	Round 1	Round 2
*Christina C. Bodurow	674	975
Dawn Mason	743	886
Elle Tratras Contis	536	

## DIRECTOR, DISTRICT IV

Rigoberto Hernandez	862
*Lisa Houston	948

## DIRECTOR-AT-LARGE

	Round 1	Round 2	Round 3
Harmon B. Abrahamson	39	--	--
*G. Bryan Balazs	100	113	145
D. Richard Cobb	85	94	--
*Dorothy Phillips	135	151	195

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

\*Individual Elected

\*\* Elected for a one-year term (2020) to fill vacancy

## REPORT OF THE PRESIDENT

2019 was a very busy and productive year as President-Elect. I am happy to report that considerable progress was made on a few of the initiatives that I had targeted, such as establishing collaborative ties with chemical societies in South America, specifically with Argentina, Chile and Perú, in addition to strengthening our interactions with Mexico. On two separate trips, I visited these four countries and the ACS is donating 20 complimentary memberships to students in each of these countries and in Guatemala, where they recently started a new student chapter.

During my participation at the International Union of Pure and Applied Chemistry (IUPAC) Meeting in Paris last July, one of the most important activities was the gathering of 15 chemical society presidents from all over the world to sign a historic collaborative agreement to support, via collaborative arrangements, the 17 UN Sustainable Development Goals. Detailed collaborative agreements between these, as well as other chemical societies, are currently being established.

I had the opportunity to visit the Chemical Abstracts Service campus in Columbus, Ohio and was very impressed with the high degree of professionalism and with the actual work that they do. I also gave a seminar to the Columbus Local Section during this visit. Along the way, I gave multiple lectures at different institutions representing the ACS, such as at the University of Maryland, Baltimore County, Texas State in San Marcos, Clemson University and Florida State University. I also participated and gave talks at the Southeast Regional Meeting (SERMACS) in Savannah, GA; the Southwest-Rocky Mountain (SWRM/RMRM) in El Paso, TX and the Puerto Rico Senior Technical Meeting in San Juan, PR. I finished the year's travels by giving a plenary lecture and receiving an award at the Iberoamerican Organic Chemistry Symposium in Cuba in December.

During the National ACS meeting in San Diego I met with five committees and one division to request ideas/input for my 2020 presidency and I received excellent suggestions from WCC and CMA, some of which I will be discussing with the ACS Board of Directors in Philadelphia.

For 2020, I will continue to promote a Lindau-like conference under the auspices of the ACS, called "Lasting Encounters between Aspiring and Distinguished Scientists" (LEADS). If things go well we will have the first LEADS conference in the spring/summer of 2021.

I have plans for several symposia and workshops during 2020. During the Philadelphia National Meeting, I will be hosting a presidential workshop entitled "Scientists Running for Public Office". For the San Francisco Meeting I am hosting a symposium on "State of the Art of Perovskite Solar Cells" on Monday, August 17, 2020. This high-level symposium will include five invited speakers who will highlight the recent advances in Perovskite solar cells and the technological breakthroughs that are still necessary to surpass silicon solar cells in both cost and efficiency. I am pleased to announce the second symposium entitled "The Important Role of Chemists in Hydraulic Fracturing", which will be in collaboration with the Mexican Chemical Society.

During 2020, I will travel internationally to represent ACS in Israel, Qatar, Bahrain, the UK, Brazil, Cuba, Colombia and Perú. At most of these places I will make both ACS-based as well as scientific-related presentations, in all cases trying to establish new and stronger ties between the ACS and the international chemical societies.

With your help I look forward to a productive (and again, very busy) 2020 and hope to be able to fulfill many of my plans and ideas for the benefit of the Society and its members. As always for any ideas and suggestions, please contact me at [l.echegoyen@acs.org](mailto:l.echegoyen@acs.org).

Luis Echegoyen

3/2020

## REPORT OF THE PRESIDENT-ELECT

I am honored to serve as President-Elect and look forward to working with all our members and ACS staff to advance the chemistry enterprise. Over the past several months, I have had the opportunity to meet with many individuals, solicit their input, and discuss their concerns. I have learned a great deal from these discussions, and I am heartened that so many of our members and students truly care about the Society and our profession.

I am pleased to announce the theme for my presidential year will be "Growth, Collaboration, and Advocacy." Two particular areas of focus will be sustainability and international development. We know that collaborations with our global partners can benefit the global chemistry enterprise. Both Drs. Charpentier and Echegoyen have worked hard in this area, and I would like to continue this effort. Sustainability is critically important, and we need to increase its awareness in the global chemistry community, foster innovation and collaboration, and promote sustainability in chemical manufacturing. We certainly need to continue our advocacy efforts to publicize the benefit of chemistry to the public and influence favorable legislation. For these tasks, I will collaborate with our members and ACS staff to maximize our collective efforts. As I continue to develop programs for 2021, I have formed a working group to provide guidance and assistance with my initiatives during my term in the presidential succession.

During the Philadelphia meeting, I am co-organizing three symposia:

1. "Scientific Visualization and Creative Presentations" (CINF, cosponsored by CPRC, CHED, PROF, YCC, Tuesday, co-organized with Sue Cardinal, Preston MacDougall, and Steven Hayden). This symposium features 13 talks, and the goal is to promote more effective communication, particularly using creative presentations and visualization techniques.
2. "Green Polymer Chemistry: New Products, Processes, and Applications" (POLY, cosponsored by AGFD, Sunday-Thursday, co-organized with Rich Gross). This symposium comprises 79 oral presentations and 25 posters that feature the many ways that polymers can be used in sustainability and green chemistry R&D.
3. "Excellence in Graduate Polymer Research" (POLY, cosponsored by PRES, SOCED, PROF, YCC, Monday and Tuesday, co-organized with Chris Ellison, Christine Coltrain, and Tim Long). This symposium recognizes 54 outstanding polymer graduate students who were selected by their respective departments for their outstanding research.

On January 24-26, I attended the ACS Leadership Institute (LI). As always, it was a great opportunity to meet new ACS leaders and interact with fellow members. In particular, I appreciated the invitation to talk to YCC members and student leaders. On February 21-22, I am scheduled to attend and participate in the 2020 ACS Safety Summit.

Thank you again for your support. I welcome your ideas and suggestions. Please contact me at [h.cheng@acs.org](mailto:h.cheng@acs.org).

H. N. Cheng

3/2020



## REPORT OF THE IMMEDIATE PAST PRESIDENT

Happy 2020 to you all! I'm trying to break the habit of starting every communication with "Happy International Year of the Periodic Table of Chemical Elements", but it is not easy. Participating in the official closing ceremony for IYPT in December, hosted by the Japanese Chemical Society, was a reminder of the power of a unifying idea across the global community of chemists. The enthusiasm for chemistry, our shared heritage, and the potential for solving problems was strong, and I had many conversations about keeping the collaborations productive, with the unifying theme of the United Nations Sustainable Development Goals (UN SDGs).

While in Tokyo, we held a reception for our members there, continuing the practice of hosting member receptions wherever I travelled in 2019. At each of these events, members have been delighted to get together, and were appreciative of the event; some have been members for many years (60 or more), but had never attended an ACS-sponsored event. In Tokyo, the participants included several long time loyal donors to Project SEED. It was a true joy during the year to get to know so many loyal members and to celebrate them and thank them for their continued dedication and participation in the ACS family.

Other international member get-togethers included one at the University of the Witwatersrand in Johannesburg in September, where I also did a presentation for students about ACS and problem solving with analytical chemistry. We hosted a dinner in Gaborone, Botswana, with our members in conjunction with the meeting of the Federation of African Societies of Chemistry, where I provided opening remarks and a similar presentation. Those meetings were wonderful opportunities to hear from our members, and particularly for interactions with students. Later in September, I participated in the European Chemical Society (EuChemS) General Assembly in Bucharest discussing areas of cooperation, including our new approach to alliances, Chemistry Enterprise Partnerships, which focus on the UN SDGs. My last international conference participation of the year was with the Asian Chemical Congress and 20<sup>th</sup> General Assembly of the Federation of Asian Chemical Societies in Taipei, continuing our long cooperative relationship. At all of these venues, ACS led the effort to collect signatures from other scientific societies on the Joint Framework Agreement to pledge to use chemistry to advance the SDGs. It was great to see the enthusiasm of chemists all over the world in support of this effort.

Since last reporting to you, I had the privilege of visiting a joint meeting of the Greater Houston and Brazosport Local Sections, seeing first-hand the State and local proclamations obtained in honor of IYPT, and having a lively and enthusiastic discussion about ACS and the SDGs. I participated in the hugely successful Festival in San Juan, Puerto Rico on the National Chemistry Week theme of Marvelous Metals. In November, I celebrated the 70<sup>th</sup> Anniversary of the San Geronio Section with section members in Riverside, CA. I also joined members of the Wyoming Section, and many others, in the joyful celebration of Gerry Meyer's 100<sup>th</sup> birthday in Laramie.

In a continuing focus on Safety, after consultation with members of the Regional Meeting Boards, the Division of Chemical Health and Safety (CHAS), and ACS staff, I provided funding for safety programming at future Regional Meetings to all of the Regional Meeting Boards. I look forward to seeing an increase in safety programming for our members who may not be able to attend national meetings, such as high school teachers, students and faculty from smaller institutions, small company employees, members who do chemistry demonstrations, etc. Regional Meeting organizers can best determine their constituencies who can most benefit from targeted safety programming, and CHAS is happy to work with them on program development. More to come in future communications.

2020 started delightfully with the Leadership Institute, where it is always exciting to be able to talk with the emerging leaders of the ACS, and see the interactions of experienced leaders with those who are taking on new responsibilities for the first time. Much of my time and focus, along with the rest of the ACS Board, members of the Diversity, Inclusion & Respect Advisory Board, committee chairs and staff, was devoted to a workshop on Diversity, Inclusion, and Respect in ACS and in all of our interactions. I also had the opportunity to speak with the Younger Chemists Committee student track participants about leadership in ACS.

As always, thank you for your ideas and support. Feel free to contact me at any time at [b.charpentier@acs.org](mailto:b.charpentier@acs.org).

Bonnie A. Charpentier

## REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

Fellow Councilors:

First, I extend a special welcome to those of you who are new to Council. I hope you will find these sessions informative, and I know you will find them thought provoking.

Because the accompanying minutes of recent Board meetings summarize past actions, I here want to preview several items that will capture the Board's attention in 2020. Obviously, I cannot claim to be able to envision every issue of significance coming before the Board this year; I am more confident, in fact, in saying that something entirely unexpected will pop up. Nevertheless, the following issues are likely to feature in numerous Board discussions.

- Publishers currently are caught between having to cover the very real expenses associated with a robust peer review process and journal production, and addressing demands that research results be made freely available to all. As the premier professional society publisher, ACS must navigate this rapidly evolving environment carefully, doing so in a way that preserves high journal quality, continues enhancing the author experience, and avoids imposing exorbitant publication charges.
- It is axiomatic that young chemical scientists have very different preferences for receiving and transmitting information than do those of us who are late in our careers. ACS must adapt to these changing expectations in order to remain relevant to professionals of all ages.
- ACS is in an admirable position presently. It is strong financially; the downward trend in the membership numbers has slowed or has flattened out, although perhaps only temporarily; its national and regional meetings continue to draw attendees; ACS journals publish record numbers of high-quality articles; CAS continues to develop new ways of accessing and capitalizing on its vast store of curated information; and the broad menu of ACS programs, products, and services continues to support member careers, quality education, and community outreach. But, should we be doing more, moving in a different direction, taking advantage of new opportunities, and expanding our reach and impact?
- ACS has as a core value "Diversity, Inclusion, and Respect". What does it mean, however, to instill this core value into the culture of ACS? How do we ensure that ACS welcomes and nurtures the aspirations of all who share our passion for the chemical sciences? Several ACS governance committees focus on demographic segments of the membership (or prospective membership). However, developing the strategies for engendering a culture of inclusivity and an appreciation of the unique contributions that all can bring to the Society is very much a work in progress.

The above items are not new, having been discussed either directly or tangentially in a variety of different forums and on several occasions. I would be naïve, though, to say that the Board and the many committees, task forces, and advisory boards that provide us with needed information and perspective have resolved all issues. One of my favorite quotations seems particularly apt here. In 1920, H. L. Mencken wrote "there is always a well-known solution to every human problem—neat, plausible, and wrong". ACS challenges always take considerable discussion, input, and consideration before a way forward is formulated and we begin down that road. The Board, though, is well aware that challenges exist, is prepared to address those challenges with all deliberate speed, and seeks your continued help in crafting appropriate solutions.

John E. Adams

MINUTES  
REGULAR SESSION  
BOARD OF DIRECTORS  
AMERICAN CHEMICAL SOCIETY  
San Diego, California  
August 25, 2019

The Board of Directors of the American Chemical Society (ACS) met in Orlando, Florida, on August 25, 2019, beginning at 12:00 p.m. John E. Adams, Chair, presided. Other Directors present for all or part of the meeting were Christina C. Bodurow, Bonnie A. Charpentier, Thomas M. Connelly, Jr., Peter K. Dorhout, Luis Echegoyen, Teri Quinn Gray, Rigoberto Hernandez, Paul W. Jagodzinski, Wayne E. Jones, Jr., Lee H. Latimer, Katherine L. Lee, Ingrid Montes, Dorothy J. Phillips, Barbara A. Sawrey, and Kathleen M. Schulz. Present for all or part of the meeting were Allison A. Campbell, Sue Clark, Milagros Delgado, Albert G. Horvath, Mick Hurrey, Flint H. Lewis, Marquita Qualls and Frank E. Walworth. More than 250 observers were present at various times during the meeting.

Call to Order and Chair's Report from Executive Session

John E. Adams, Chair, opened the meeting by welcoming the attendees and introducing his Board colleagues. He announced that the agenda for the meeting features a special panel discussion and that the members of the Presidential Succession and the Executive Director & CEO consequently have graciously decided to withhold their reports to allow for more time.

Dr. Adams then summarized the actions and discussion points from the Board's executive session held August 23-24. The Board received and discussed reports from its committees on Budget and Finance, Professional and Member Relations, Strategic Planning, Executive Compensation, Pensions and Investments, as well as the ACS Governing Board for Publishing, the Task Force on the Future of Meetings, and Society Programs Globalization Board liaison. In particular,

- On the recommendation of the Committee on Professional and Member Relations, the Board voted to approve the Society's nominees for the 2020 National Science Board Public Service Award and the 2020 Tang Prize in Biopharmaceutical Science.
- On the recommendation of the Joint Board-Council Committee on Publications and an Editor Selection Committee, the Board voted to approve the appointment and reappointment of editors-in-chief for ACS journals. Their names will be announced once they have been notified and arrangements for their service to ACS have been finalized.
- On the recommendation of the Society Committee on Budget and Finance, the Board voted to set the advance member registration fee for national meetings held in 2020 at \$505 – this amount is equal to the inflation-adjusted 2019 fee – and to approve or reauthorize several program funding requests.

The Executive Director/CEO Report to the Board

- The Executive Director/CEO and his direct reports provided updates to the Board on the activities of Chemical Abstracts Service (CAS) and the ACS Publications Division. He further offered updates on issues relating to the ACS Core Value of Diversity, Inclusion, and Respect; the current status of Society membership; ACS financials; initiatives associated with the International Year of the Periodic Table; and upcoming events and activities. As part of his report, he invited the Executive Vice President for Scientific Advancement to lead an informal discussion on key issues for that division.

#### Other Society Business

- The Board heard reports from members of the Presidential Succession on their current activities as well as those planned for 2020, particularly the presidential symposia and endorsed symposia for this San Diego meeting.
- The Board liaison for globalization provided a summary of a recent Board survey and received additional feedback from the Board on the globalization vision for Society programs. The goal here is encouragement and expansion, where appropriate, of existing successful international activities and initiatives, as well as evaluating current products and programs; exploring additional options and opportunities; and advising the Board on the assembly of a coherent and balanced program portfolio appropriate to the globalized ACS of the twenty-first century.
- The Board received a preview of recommendations from the Committee on Strategic Planning for process improvements focused on streamlining the ACS strategic planning process, including an adjustment of the cycle time, inclusion of an analysis of professional association market dynamics, and concentration on only the highest-value elements for the Strategic Plan.
- The Board received its customary extensive briefing from its Committee on Executive Compensation. The compensation of the Society's executive staff continues to receive regular review by the Board.
- The Board received a status update from the Task Force on the Future of Meetings. The task force has been charged with performing a "deep dive" on the current portfolio of ACS meetings and conferences, identifying current offerings, evaluating governance and staff support structures, revenue streams, financial targets, and business models, and recommending actions that will ensure the sustainability and future relevance of that portfolio.
- The Board also held a discussion with members of the executive committee and staff leadership of the Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) on the vision, mission, and structure of SACNAS. Various components of the recently signed Chemistry Enterprise Partnership agreement were discussed, emphasizing the shared overarching objective of promoting and achieving diversity in STEM. The Board agreed to the appointment of a joint ACS-SACNAS task force charged with developing additional short-term goals, evaluating continued partnership potential, and developing long-term goals.

#### Special Panel Discussion

Dr. Adams introduced Dr. Wayne E. Jones, Jr., and Dr. Allison A. Campbell, facilitators for the special panel discussion, Critical Skills Needed to Succeed in the Chemical Enterprise. Dr. Jones reminded the audience that this year marks the tenth anniversary of the ACS Leadership Development Program. Through this program, the Society has provided hundreds of its volunteer leaders with research- and competency-based training to help them be successful in their work and learning environments. The program will now move to the next level and focus on broader and more comprehensive critical leadership skills. A special task force was formed to consider what the ACS vision should be regarding the successful preparation of global leaders within the chemical enterprise. He summarized the progress of the task force and invited everyone to participate in an online survey that will help determine the overall strategy, future direction, governance structure, and timeline for the program's next generation.

Dr. Campbell then introduced the panelists onstage for the special discussion:

- Dr. Sue Clark, Chief Scientist/Technology Officer and Battelle Fellow, Energy & Environment Directorate at Pacific Northwest National Laboratories;
- Dr. Milagros (Milly) Delgado, Undergraduate Program Director, Department of Chemistry and Biochemistry at Florida International University;
- Dr. Mick Hurrey, Vice President of Product Development at InCarda Therapeutics; and
- Dr. Marquita Qualls, Founder and Principal of Entropia Consulting.

Dr. Campbell also announced that three other leaders would provide input via pre-recorded video:

- Ms. Holly Davis, Senior Quality Engineer, Quality Systems, Abbott Laboratories;
- Dr. Matt Grandbois, Strategic Market Manager for DuPont Electronics & Imaging; and
- Dr. Ajay Mallia, Assistant Professor of Chemistry at Georgia Gwinnett College, Lawrenceville.

The panelists each addressed questions regarding the most critical skills needed to be a successful leader; learning from mistakes as a leader; on developing leadership skills; and how ACS has or can help with building leadership skills.

Following the discussion, current and past members of the ACS Leadership Advisory Board were asked to stand and be recognized for their contributions to the development of ACS's very successful leadership training system. Dr. Adams then thanked Drs. Jones and Campbell and the guest panelists. He read a resolution approved by the Board of Directors at its August 23 session:

BE IT RESOLVED THAT the Board of Directors of the American Chemical Society extends its gratitude to the volunteer leaders, facilitators and staff of the ACS Leadership Development Program for ten years of commitment to leadership training and development of ACS members. Their extraordinary contributions and tireless efforts to develop and cultivate a robust pipeline of leaders have greatly benefited the Society and the profession, and are deeply appreciated.

Before declaring the meeting adjourned, Dr. Adams thanked all the participants and his colleagues on the Board for a successful meeting.

There being no further business, the meeting adjourned at 12:55 p.m.

Flint H. Lewis  
Secretary

**BOARD CHAIR'S REPORT  
OF EXECUTIVE SESSION  
ACTIONS AND DISCUSSION ITEMS  
DECEMBER 2019**

At this meeting, the ACS Board of Directors considered a number of key strategic issues and responded with several actions.

**Board Elections**

The Board of Directors held two elections: the first to select the chair of the Board for 2020 and the second to elect two members to its Executive Committee. The Board elected John E. Adams as its chair for 2020 and elected Paul Jagodzinski and Dorothy J. Phillips to fill terms on the Executive Committee. Dr. Jagodzinski will fill a two-year term, and Dr. Phillips will fill a one-year term.

**Board Actions**

- By consent, the Board voted to
  - Approve the minutes of the August 23-24, 2019, Executive Session and those of the August 25, 2019, Regular Session,
  - Ratify Board interim actions,
  - Approve the continuation of the Committees on International Activities and on Professional Training, as approved by Council, August 28, 2019,
  - Adopt “The Chemical Professional’s Code of Conduct”, as approved by Council, August 28, 2019,
  - Establish the (Republic of) Georgia International Chemical Sciences Chapter, as approved by Council, August 28, 2019, and
  - Authorize the continuation of International Chemical Sciences Chapters in Hungary, Malaysia, Romania, Saudi Arabia, South Africa, and South Korea.
- On the recommendation of the Committee on Strategic Planning, the Board voted to approve changes to the *ACS Strategic Plan*, effective January 1, 2020. These changes include minor edits to the wording of Goals 2 and 4, refreshing the Challenges & Opportunities section and moving it to the Appendix, and using unit objectives to underpin the four plan goals. There were no changes made to the Mission and Vision Statements. The new plan will be posted at <https://www.acs.org/content/acs/en/about/strategicplan.html>
- On the recommendation of Editor Search Committees, the Board approved several new Editor-in-Chief appointments to ACS journals. Those appointments will be announced in *C&EN* once the appointed individuals have been notified and arrangements for their service have been made.
- On the recommendation of the Committee on Executive Compensation, the Board voted to approve a variety of compensation-related objectives, and the appointment of a new compensation consulting firm. The compensation of the Society’s executive staff receives regular review from the Board in fulfillment of its fiduciary responsibilities.
- On the recommendation of the Committee on Professional and Member Relations, the Board voted to terminate a national award and to task the National Awards Advisory Board, in consultation with the Office of Development, to allocate the associated endowment to an appropriate endowed ACS award.
- On the recommendation of the Committee on Budget and Finance, the Board voted to approve a 2020 ACS Operating Budget with a Net Contribution of \$ 41,334,000, and to approve the 2020 Proposed Capital Budget of \$ 43,625,000.
- On the recommendation of the Development Advisory Board, the Board voted to approve a 2020 fundraising goal of \$3.5M and to designate Education and Green Chemistry as fundraising priorities for 2020.

- On the recommendation of the Next Gen Task Force on Leadership Development, the Board voted to discharge the ACS Leadership Advisory Board with sincere gratitude for having developed the current ACS Leadership Development System and ACS Leadership Institute; to establish three teams charged with implementing the proposed professional and leadership development framework; and to proceed with the next steps outlined in the task force's final report. The task force, having delivered its final report, then was discharged with the grateful appreciation of the Board.
- At the request of the President (presented by the Immediate Past President), the Board authorized allocation of the funds remaining in the 2019 presidential budget to the ACS Regional Meeting Boards with the stipulation that the funds be used in supporting safety training programs.
- The Board adopted several resolutions:
  - in memory of former Chair of the Board and Past President Mary L. Good, and for past Secretary Halley A. Merrell, both of whom recently passed away,
  - acknowledging departing Board members Peter K. Dorhout, Rigoberto Hernandez, and Kathleen M. Schulz for their many contributions to the Board and to the Society, and
  - congratulating Brian Crawford, President, ACS Publications on his recent retirement after nearly 15 years of dedicated service to the Society.

### **The Board's Discussions**

- The Board of Directors received and discussed reports from the Committee on Strategic Planning, the Committee on Executive Compensation, the Committee on Public Affairs and Public Relations, the Committee on Professional and Member Relations, the Governing Board for Publishing, the Committee on Budget and Finance, the Committee on Pensions and Investments, the Development Advisory Board, the Task Force on the Future of Meetings, the Next Generation Task Force on Leadership Development, and from the Board Global Liaison for Society Programs.
- ACS Chief Executive Officer Tom Connelly updated the Board on activities associated with the ACS Core Value of "Focus on Members" and on issues relating to Membership, ACS financial performance, Publications, Human Resources, and upcoming events and activities. As part of his report, he invited the Treasurer and Chief Financial Officer Al Horvath to lead an informal discussion on his observations on his first year in office.
- As part of the Governing Board for Publishing Report, the acting president of the ACS Publications Division and the president of Chemical Abstracts Service discussed with the Board new product development highlights as well as challenges and opportunities facing their respective divisions.
- The Board heard a final report from the Immediate Past President on his continuing priorities and recent activities as they relate to those of the Board. The President and President-Elect were unable to attend the meeting due to previously scheduled commitments.
- The Board Global Liaison for Society programs provided her final report and offered recommendations aimed at sustaining and further strengthening the Society Programs' global presence. The recommendations focused on the maintenance of a balanced portfolio of relevant, sustainable, and globally integrated programs and activities that maximize synergies across Society Programs, CAS, and ACS Publications.

### **Board Orientation**

- Three new Board members for 2020 (H.N. Cheng, President-Elect; Lisa Houston, District IV Director; and Bryan Balazs, Director-at-Large) were welcomed as observers at the meeting. As part of its expanded onboarding process for new and continuing members of the Board, a discussion took place with current Board members offering reflections on two related questions: What do I know now that I wish I had known when I began my time on the Board? and What have been the biggest surprises associated with Board service?



**Strategic Issues**

- The Board engaged in a strategic issues discussion on the challenges and opportunities for membership associations. The discussion was facilitated by Jay Younger, President & CEO, McKinley Advisors. His presentation focused on the enduring tenets, state of membership, and imperatives for mission-driven organizations.

**Diversity, Inclusion, and Respect Discussion**

- The Board met prior to its executive session for a discussion on the development of high-level strategies associated with the Society's Core Value "Diversity, Inclusion, and Respect." This discussion was held in preparation for the joint Board of Directors/Diversity Advisory Board Workshop that will be convened in conjunction with the Leadership Institute in Atlanta in January 2020.

John E. Adams, Chair

## REPORT OF THE EXECUTIVE DIRECTOR/CHIEF EXECUTIVE OFFICER

During 2019, ACS was able to build on the momentum from 2018, and to accelerate the rate of progress. Our Core Value of Safety was once again prominent across the Society. One important step was the decision by ACS Publications to take over the *Journal of Chemical Health and Safety*, formerly published by Elsevier. ACS Publications has plans to make the journal a dynamic representation and modality for projecting our commitment to Safety as a core value.

Based on the Board action in December 2018, adding Respect as a core value, alongside Diversity and Inclusion, was also an important core value focus in 2019. ACS joined, as a charter member, the AAAS Societies Consortium on Sexual Harassment in STEMM. Within ACS, hotlines and other mechanisms for reporting concerns at national meetings were put in place. Dorothy Phillips continues to represent ACS on the AAAS Coalition for Science and Human Rights. Steps were taken to review our awards and recognition policies in the context of our Respect core value. These deliberations include discussions with sister societies in the US and other countries. Diversity, Inclusion and Respect will be an important subject for ACS volunteers and staff in 2020.

Our Membership team worked hard to deliver our second consecutive year of membership growth, ending the year with >152,000 members. Membership was truly 'everyone's responsibility'. For example, ACS Publications contributed new members through attendance at ACS Publications symposia, and through a membership offer made to frequent peer reviewers. Similarly, Education helped by increasing the number of joint American Association of Chemistry Teachers (AACT)/ACS members. Scientific Advancement helped through members secured at the Green Chemistry & Engineering Conference, and through an offer to PRF proposal reviewers. And, it is gratifying that the percentage of ACS staff who are members of ACS has now grown to 35%.

2019 was also a pivotal year for the advancement of our Membership 2.0 effort. Extensive effort led to definition of possible membership models; preparations were made for tests during 2020 and 2021. Important IT work was completed and demonstrated which will give us the systems flexibility to begin to customize our membership offerings for the first time. Equally important was the progress that was made with governance redesign that will provide agility and flexibility needed for membership test and package design and pricing. During 2020, our membership team will also be working closely with Board members and other volunteers serving on the Task Force on the Future of Meetings.

ACS Green Chemistry Institute held its Green Chemistry & Engineering Conference in conjunction with the 9th International Conference on Green and Sustainable Chemistry in Reston, VA. The conference was very well attended, including about 30% of attendees from industry. The 2019 Green Chemistry Challenge Awards were held in conjunction with EPA, our historic cosponsor. We are pleased that for 2020, EPA will continue to work with us in this area. The Petroleum Research Fund (PRF) has also undertaken efforts to streamline its meetings and to revise its proposal review practices.

Education had a strong year with its first full year of the ACS Bridge Project, with our first cohort completing its bridge year. Bridge graduates are now enrolled at our bridge sites and our partner universities. Near year end, we received exciting news of a major commitment from the Genentech Foundation to support the ACS Bridge Project. We completed our pilots for international chemistry undergraduate program approvals at our seven sites. The Committee on Professional Training (CPT) is now conducting a pilot to inform a global chemistry department recognition program. AACT membership grew to nearly 7,000, including thousands who are joint members of both AACT and ACS. Working closely with Board members and other volunteers, Education worked on the future of ACS leadership training, leading to major revisions. This work identified further opportunities for our overall efforts in professional training; the subject of additional work this year. More exciting news, the US team won three gold medals and one silver at the 51<sup>st</sup> International Chemistry Olympiad (IChO) in Paris. This was also the first year for our IChO camp at the University of Maryland, College Park, after nearly 20 years at the US Air Force Academy.

The Office of the Secretary and General Counsel (OSGC) worked with both the Board and Council on the most significant revisions to the Society's governing documents since 1948. It was gratifying to see the proposed revisions approved by the Council in August, and ratified overwhelmingly by the entire membership in October. OSGC staff also promoted chemistry and its practitioners to the media, ACS members, and directly to the public.

- Media outreach resulted in more than 29,400 articles in print and online news media outlets with a potential audience of more than 42.4 billion online (a single individual can be part of multiple audiences) and 79.5 million in print and broadcast.
- ACS produced and distributed 43 weekly PressPacs, 62 embargoed press releases, and 60 other releases that highlighted more than 140 ACS published journal articles and Society news.
- ACS published 47 *Reactions* videos, with all videos in the series receiving a total of more than 8.0 million views on Facebook and YouTube. *Reactions'* Facebook page and YouTube channel each have more than 300,000 followers.
- ACS Experts fulfilled more than 100 requests from the news media for scientists to help with stories. These requests came from news outlets including *Agence France-Presse* (AFP, which is France's version of AP), *AP*, *BOOM!* (a Spanish game show), *Boston Globe*, *the New Yorker*, NPR's "Science Friday," Scholastic Science World and *Wired*, as well as from general audiences.
- Communication training modules were developed and posted as a shared office resource in 2019. The library currently includes training modules for staff to use when talking about science communication, advocacy training and online communication.
- The National Historic Chemical Landmarks program held several dedication and re-dedication ceremonies to recognize the following:
  - St. Elmo Brady, first African-American to earn a Ph.D. in chemistry (February)
  - Upjohn Co.'s R&D in steroid medicines (May)
  - Dow's combinations of gas chromatography and mass spectrometry (June)
  - The discovery of more than a dozen elements at Lawrence Berkeley National Laboratory (rededication; August)

The International Year of the Periodic Table of Chemical Elements (IYPT) provided special opportunities for outreach during 2019. Starting with the IYPT kickoff in Paris, and at events running throughout the year until the closing ceremony in Tokyo during December 2019, presented many opportunities for ACS represented by Bonnie Charpentier and the presidential succession. Activities at the national meetings, and in the local sections, including of course National Chemistry Week and Chemists Celebrate Earth Week also celebrated IYPT. IYPT events were also held at the rededication of the National Historic Chemical Landmark at Lawrence Hall of Science, a symposium cosponsored by ACS and NSF held in November at the National Academy of Science, and at the fall Executive Director's (Staff) Briefing.

HR had a very busy year with the incorporation of our six staff core competencies – Candor, Change Agility, Continuous Improvement, Global Mindset, Partnership Building, and Solutions Focused – into our performance management system. Staff training has been held in these competencies. 2019 was also an important year for senior staff recruiting. HR also completed successful searches for the Treasurer and Chief Financial Officer, the Vice President of Development, and for the President of ACS Publications. Based on our 2018 Employee Engagement survey results, each staff unit has been working on an engagement plan during 2019. Continuing improvement in our collaboration skills will be essential.

2019 was an important year for our Strategic Planning office. Having spent prior years codifying our Society's Board-led strategic planning process, during 2019, revisions were made to create a multiyear planning cycle. For staff execution, preparations are underway for our most significant overhaul to our 10-year operations planning since 2017.

Our Finance team had a strong year in streamlining and simplifying its operation through the elimination of the Probable 1 Forecast, and simplifications to the Society Program Portfolio Management process. The elimination of the P1 caused no operational problems, and likely saved about one FTE, marbled throughout the staff.

The Development team had a banner year under the leadership of its new Vice President Audrey Rogerson. The team completed a strategic reassessment of its strengths and gaps. Steps were taken to centralize efforts for sponsorships, as well as philanthropic giving. Efforts are underway to expand our donor base to include more foundation effort. Reallocation of our development effort has resulted. Total Development funds raised exceeded \$6M; our largest total in more than a decade. This total includes a major commitment by the Genentech Foundation for the ACS Bridge Project, and a generous bequest by the Joseph D. Loconti Foundation to Project SEED.

Information Technologies led the effort to install a new platform for ACS Publications content delivery. The increased functionality has been appreciated, and the 'go-live' was achieved with minimal disruption. Our IT team also invested heavily in enhancements to our Membership-related systems, providing ease and flexibility for online renewals, among other functionality. IT collaboration between Washington and Columbus continues to find opportunities to streamline and simplify our operations.

CAS had another record year for revenue and net from operations. The number of customers operating the latest SciFinder<sup>n</sup> version nearly quadrupled to more than 2000. Rollout of a SciFinder<sup>®</sup> enhancement that includes a predictive retrosynthesis tool was also announced. Significant progress was also made with CAS service offerings.

ACS Publications had another record year for revenue and net from operations, as well as the second-best year for ROR. Manuscripts submitted grew 6% and articles published grew 9% to 57K. Several new peer reviewed titles began publication. Our first-ever partner publishing arrangement was concluded with the American Society for Mass Spectroscopy. ACS Publications also launched a new publication platform.

Important progress was made with our Open Access (OA) efforts. *ACS Central Science* saw its impact factor grow to 12.837. *ACS Omega* published more than 2500 papers, a 25% increase over 2018. The Governing Board for Publishing and ACS Board of Directors supported important next steps for our OA publishing strategy.

ACS continued its great strides in our Globalization efforts. ACS Board Member Ingrid Montes led the efforts and submitted the final Society Programs Globalization Report in December 2019. Global membership continues to grow – more than 30,000 scientists and engineers, 20% of our total members. International Chemical Sciences Chapters now total 24 and International Student Chapters total 75. The total roles, staff and contractors, for ACSI now exceeds 140 in 22 countries. We are now routinely holding gatherings for ACS members at international chemistry conferences around the world.

Working with seven other national and regional chemistry societies on four continents, the second ABCChem conference is now planned for December 2021 in Marrakech, Morocco. And, the eighth PacifiChem will be held in Honolulu, December 15-20, 2020.

Thanks to another year of strong revenue growth in CAS and ACS Publications, careful cost management across the Society, and exceptionally strong equity and bond markets, all five Board financial guidelines were met.

Thomas M. Connelly, Jr.

REPORT OF THE GOVERNING BOARD FOR PUBLISHING  
TO ACS COUNCIL

The following is a brief summary of the July and November 2019 meetings of the Governing Board for Publishing.

**CAS (Chemical Abstracts Service)**

CAS President Manuel Guzman provided an executive summary of financial and operating highlights for 2019 and an update on the second five-year plan for growth and related key initiatives. CAS continues to progress its Customer Experience (CX) strategy, including CX best practices, metrics, organizational design, and the plan to continue CAS's evolution to a customer centric organization. Two new CAS solutions are being launched into the marketplace: Formulations and Retrosynthesis to secure the SciFinder and STN franchises by delivering incremental value to customers, and creating additional revenue opportunities. The CAS Leadership Team continues to make necessary investments in and around the CAS Campus. Improved work spaces are contributing to collaboration, and helping CAS recruit and retain talent.

**ACS Publications**

Dr. James Milne, Acting Division President, provided financial and operational highlights through the third quarter of 2019 and an update on key initiatives, plans and ambitions for 2020. Dr. Milne presented his goals and vision for the future for the Division. This focused on enhancing core publishing activities, while investing in diversification and innovation activities. At the center of all activities, the Division seeks to support researchers and deliver outstanding service throughout their interactions with the ACS. The presentation highlighted how recent strategic growth in number of articles published had effectively brought the 'revenue per article' to the level whereby ACS journals can thrive in an Open Access landscape. The presentation concluded by highlighting a number of recent innovative activities the Division has progressed, including: PDF redesign, AI services, augmented reality for crystal structures, virtual reality for lab safety, and 'Seamless Access'.

Thomas Connelly, Jr., Chair

**DRAFT**  
**MINUTES**  
**COUNCIL POLICY COMMITTEE**  
**AMERICAN CHEMICAL SOCIETY**  
San Diego, California  
August 27, 2019

The Council Policy Committee (CPC) of the American Chemical Society met in San Diego, California, on August 27, 2019, beginning at 8:00 a.m. Chair Bonnie A. Charpentier presided. Other voting members present were: Harmon B. Abrahamson, Thomas M. Connelly, Jr., Ella L. Davis, Peter K. Dorhout, Lissa Dulany, Luis Echegoyen, Mark D. Frishberg, Lisa Houston, Will E. Lynch, Zaida C. Morales-Martinez, Sally B. Peters, Martin D. Rudd, Andrea B. Twiss-Brooks, 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: V. Dean Adams, Kevin J. Edgar, Amber S. Hinkle, Brian M. Mathes, Carolyn Ribes, Jason E. Ritchie, John E. Adams, and Joseph A. Heppert. Several Councilors, ACS staff, and others were present as observers at various times during the meeting.

Open Forum

Ms. Katherine Johnson, Member of the Younger Chemists Committee, introduced herself, and posed the following question to CPC: can a Younger Chemists Councilor Caucus be established for Council? Ms. Johnson was advised that caucuses are self-organized and have no formal role within the Society. As such, one can be created. It was recommended to Ms. Johnson that if a Younger Chemists Councilor Caucus is created, younger Councilors still be urged to participate in their District Caucuses.

Approval of Minutes

1. VOTED that the Council Policy Committee approve the minutes of the April 2, 2019, meeting of the committee.

Reports of Committee Chairs and Society Officers

The Council Policy Committee divided into four subgroups to review the proposed oral reports to Council by officers and committee chairs. The subgroups met from 8:15 to 9:15 a.m.; Bonnie A. Charpentier, Peter K. Dorhout, Luis Echegoyen, and Lisa Houston served as chairs of the subgroups.

Upon reconvening at 9:15 a.m., the committee received reports from the chairs of the subgroups, with the reports emphasizing items for which Council action would be required on August 28. In the subgroups, reports were presented by the officers and by the chairs of the Elected Committees on Committees and on Nominations and Elections; the Society Committees on Budget and Finance and on Education; the Standing Committees on Constitution and Bylaws, Divisional Activities, Economic and Professional Affairs, Local Section Activities, Meetings and Expositions, and on Membership Affairs; and the Joint Board-Council Committees on Chemistry and Public Affairs, Community Activities, Environmental Improvement, Ethics, International Activities, Minority Affairs, Patents and Related Matters, Professional Training, Project SEED, Public Relations and Communications, Science, Senior Chemists, Technician Affairs, Women Chemists, and on Younger Chemists; including reports on progress and recommendations resulting from their work during their sessions held in San Diego, California, prior to the CPC meeting. By individual actions, CPC concurred in certain recommendations to be made to Council by the committees. These appear below and, as appropriate, in the record of the August 28, 2019 Council meeting. All references in these minutes to Council actions and reports relate to the August 28, 2019 meeting of the Council unless otherwise noted.

2. VOTED that the Council Policy Committee authorizes the use of projected graphics as part of the reports to Council by the Committees on Budget and Finance, Chemistry and Public Affairs, Chemists with Disabilities, Committees (ConC), Community Activities, Constitution and Bylaws, Economic and Professional Affairs, Education, Environmental Improvement, Ethics, International Activities, Local Section Activities, Meetings and Expositions, Minority Affairs, Nominations and Elections, Patents and Related Matters, Project SEED, Technician Affairs, and Younger Chemists.
3. VOTED that the Council Policy Committee authorize the use of projected graphics as part of the reports to Council by the President, President-Elect, and the Immediate Past President.
4. VOTED that the Council Policy Committee authorize additional time for the reports to Council by the Immediate Past-President, Executive Director and Chief Executive Officer, and the Committees on Ethics and Nominations and Elections.
5. VOTED that the Council Policy Committee allow for supplemental materials or handouts to be placed on the resource table at the rear of the Council meeting room by the Committee on Local Section Activities.
6. VOTED that the Council Policy Committee concurs with the Committee on Committees that the Committees on International Activities, and on Professional Training, subject to concurrence by the Board of Directors, as required, be continued.
7. VOTED that the Council Policy Committee concurs with the Committee on Economic and Professional Affairs that the amended *Chemical Professional's Code of Conduct* be adopted.
8. VOTED that the Council Policy Committee concurs with the recommendation of the Committee on International Activities that the Republic of Georgia International Chemical Sciences Chapter be established, subject to concurrence by the ACS Board of Directors.

#### New Business

Dr. Carolyn Ribes, chair of the Committee on Committees, briefed CPC on the history, purpose, and use of the 2019 Committee Demographic Survey. The results of CPC demographics were shared with the committee.

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

Ms. Houston reported that CPC's Long Range Planning Subcommittee will host a Strategy Café later in the afternoon for attendees to discuss the top three change drivers identified by the Committee on Strategic Planning. The subcommittee is also working on updates to the *ACS Handbook for Councilors* and the Councilor Benefits survey. The Petitions, Constitution and Bylaws Subcommittee met and discussed the pending petition for consideration by Council. The Working Group on Future Council Representation continues its discussions on how to reimagine Council to best serve as an advisory body to the Board, as well as represent and engage its diverse membership. At the Council meeting, Ms. Houston will be asking questions to get feedback by clicker vote on the Councilor Benefits Survey and representation on Council.

#### Reports of Subcommittees and Task Forces

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

Subcommittee chair Harmon Abrahamson began his report by reviewing two petitions on ACS membership and dues. Both were submitted to ensure that one would proceed for Council action after ACS members vote on the Constitution changes in the Petition to Streamline the ACS Governing Documents. The petitioners will be working with the Committee on Constitution and Bylaws (C&B) to ensure that the language in the petitions is consistent with the current and proposed ACS Governing Documents. The subcommittee recommended that CPC take no action until the relevant petition is before Council for action.

Dr. Abrahamson, recognizing that there is no provision for C&B to review changes to the proposed Standing Rules, is drafting a petition to remedy the lack of C&B review. Other subcommittee members will be signing the petition for urgent action at the spring 2020 ACS national meeting in Philadelphia.

The subcommittee also addressed a potential change to the Standing Rules for the Committee on International Activities. All Standing Committees of the Council and the Society Committees are responsible for functions of the Council and are required to have open and executive meetings. The Committee on International Activities also has 'functions' but it is not bound to the meetings rule as it is not a Standing Committee.

Dr. Abrahamson concluded his report by drawing attention to the need to bring more information to ACS members on their upcoming vote on the Constitution changes in the Petition to Streamline the ACS Governing Documents, to ensure a positive outcome.

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

Subcommittee chair Lisa Houston began her report noting that the subcommittee will be hosting a Strategy Café along with the Board Committee on Strategic Planning (SPC) later that afternoon. The event is expected to draw about 50 participants to discuss three change drivers identified by the SPC. The subcommittee continues to match mentors and mentees among Councilors and Alternate Councilors.

The 2019 *Handbook for Councilors* has incorporated many new updates and will undergo one more revision should ACS members approve the Constitution changes in the Petition to Streamline the ACS Governing Documents at the end of October 2019. Ms. Houston concluded her report by mentioning that the subcommittee will be conducting a survey on Councilor benefits at the beginning of 2020, with the results to be shared shortly thereafter.

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

The Working Group chair, Martin Rudd, reported that the group held a discussion on members who currently do not have representation on Council either because they reside in an unaffiliated territory and do not belong to a division or because they reside overseas and do not belong to a division.

The Working Group, through the Council Policy Committee, will be surveying Councilors on Wednesday at Council to seek input on various questions affecting representation and the primary role of Councilors.

The Working Group will continue discussions via teleconference between national meetings to further explore opportunities to design a Council that best serves the Society.

**D. Report of the CPC Task Force on Divisor Communications**

Subcommittee chair Harmon Abrahamson reported that the CPC Task Force on Divisor Communications contacted all Local Sections and Divisions affected by the 2020-2023 Councilor Divisor.

9. VOTED that the Council Policy Committee discharge with thanks the Task Force on Divisor Communications.

**Summary of Councilor Travel Expenses**

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



Summary of Non-Councilor Travel Expenses

Dr. Charpentier 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 spring 2020 national meeting is the result of previous authorization by the Council Policy Committee:

Board of Directors:	Sunday, March 22
Council Policy Committee:	Tuesday, March 24
Council:	Wednesday, March 25

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.

Council Agenda

10. VOTED that the Council Policy Committee approve the Council Agenda for the August 28, 2019 meeting of the Council.

CPC and Council 2019 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 10:33 a.m.

Flint H. Lewis  
Secretary

## REPORT OF THE COMMITTEE ON COMMITTEES

The Committee on Committees (ConC) submitted its final recommendations for 2020 Committee Chairs, members, associates, and consultant appointments and reappointments for consideration by the President-Elect and the Chair of the Board of Directors. The committee appointment and reappointments letters were sent by year-end.

The ACS Board of Directors approved the continuance of the Committees on International Activities and Professional Training during its meeting in December.

The ConC Leadership Development Subcommittee conducted its annual training session for new Committee Chairs and their staff liaisons in Atlanta, GA, January 24-26, 2020 as a component of the ACS Leadership Institute. The subcommittee worked to revamp the agenda to include more interaction and discussion time for Chairs and their staff liaisons. The training once again received favorable reviews from participants and invited guests.

The ACS Standing Rules (Standing Rule II, Sec. 3, e (1)) require that ConC review each Joint Board-Council and Other Committees of the Council no less often than every five years and advise the Board of Directors and Council whether they should be continued. In fulfilling this Bylaw mandate, performance reviews for three committees have been completed.

After much discussion and careful consideration, ConC voted to recommend to Council in Philadelphia that it disband the Joint Board-Council Committee on Chemical Abstracts Service (CCAS). ConC has reviewed CCAS for multiple cycles, and after numerous and thoughtful discussions has come 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 meeting with 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® Member Benefit program outreach. The Publications Division in general, with CAS playing a primary role, constitute a critical financial base to the operation 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.

ConC will seek Council approval in Philadelphia on the recommendation for continuance of the Committees on Patents and Related Matters, and Technician Affairs.

During the closed executive meeting, ConC will receive reports and consider recommendations from its subcommittees on leadership development, committee systems and structure, and diversity. ConC will also receive updates on scheduled performance reviews for the Committees on Chemistry and Public Affairs, Community Activities, Ethics, Environmental Improvement, Minority Affairs, and Science. The committee will also develop recommendations for the 2021 Committee Chairs for the Society, Standing, Joint Board-Council and Other Committees of Council.

The committee is once again collaborating with CPC on the New Councilor Orientation on Saturday, March 21, from 3:00-7:00 p.m.

Councilors and other interested parties are invited to attend the committee's open meeting on Monday, March 23, from 1:30-2:00 p.m. to offer their views on any topics on the agenda, and other matters of interest. There will also be an interactive session for the Chairs of all Council-related committee chairs on Monday from 4:00-5:00 p.m. to discuss committee issues that are of mutual interest.

In collaboration with the Office of the Secretary and General Counsel and the ACS Information Technology Unit, ConC is exploring updates to the online committee preference form. Some of the proposed enhancements include the ability to deselect your first preference choice, provide comments on why you prefer a new committee, skills/expertise needed for each of the committees, option to state that you prefer to serve on any committee, and if you are interested in serving on an Elected Committee (ConC, N&E & CPC).

All Councilors are reminded to complete their online committee preference form for 2021, during the period of March 16-June 5, 2020 at <https://www.yellowbook.acs.org/>. Please remember committee associates, and especially those finishing a term or who will reach the statutory limit on a committee, are strongly encouraged to complete the online form to reaffirm their interest and commitment to service in the Society. You can also use this system to update your Yellow Book contact and biographical information throughout the year.

Carolyn Ribes, Chair

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

Dear Mr. Lewis:

I propose the following MEMBERS for consideration by the Committee on Committees for service on the following committees for 2021:

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

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

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

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

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

Budget and Finance (B&F)	_____
Education (SOCED)	_____

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

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

Sincerely,

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

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

Please attend the open meetings of any of the following committees to discuss this petition, ask questions and/or hear comments. 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 April 24, 2020.

## **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.

ITEM VI, B (4)a  
Petition to Clarify Amendments to the Standing Rules

**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~~ 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. Ella L. Davis  
Dr. Mark D. Frishberg  
Dr. Joseph A. Heppert  
Ms. Lisa Houston  
Dr. Will E. Lynch

Ms. Sally B. Peters  
Dr. Carolyn Ribes  
Dr. Martin D. Rudd  
Dr. James M. Takacs  
Ms. Andrea Twiss-Brooks  
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

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**ORIGINAL**

**URGENT ACTION REQUESTED**

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

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**Amendments to the Standing Rules**

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ITEM VI, B(4)b  
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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.

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Dr. Donna G. Friedman  
2020 Chair

## REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

At its fall meeting in San Diego, California, the Committee on Nominations and Elections (N&E) developed slates of potential candidates for President-Elect, 2021; Directors-at-Large, 2021-2023; and Directors from Districts III and VI, 2021-2023.

A “President-Elect Nominee Town Hall Meeting” will be held in Philadelphia on Sunday, March 22, from 4:30 p.m. – 5:30 p.m. This well-attended forum is designed to facilitate interaction among the (2021) President-Elect nominees, Councilors and other members using a moderated question-and-answer format.

The 2020 election cycle began with the election of candidates for District III and District VI in February. The primary elections were conducted for the Society by Survey & Ballot Systems (SBS) of Eden Prairie, Minnesota. In addition to the primary elections, a special interim election was conducted to fill vacancies on the Committee on Committees for a two-year term (2020-21) and a three-year year term (2020-22) on the Committee on Nominations and Elections. The results will be announced at the Council meeting in Philadelphia.

In executive session at this meeting, N&E will develop slates of potential candidates for the Council Policy Committee and the Committee on Committees for 2021-2023. As in the past, N&E welcomes suggestions from Councilors of qualified members as potential candidates for all elected ACS offices - please let us hear from you at [nomelect@acs.org](mailto:nomelect@acs.org).

The committee has a table at the rear of the Council meeting room, as well as an open forum at its committee meeting on Monday, March 23, from 11:30 a.m. - 12:00 noon, to receive your suggestions or hear your concerns. As an alternative means of communication with N&E, please send an email to us at [nomelect@acs.org](mailto:nomelect@acs.org).

Amber S. Hinkle, Chair

## REPORT OF THE COMMITTEE ON BUDGET AND FINANCE

This written report to Council provides an update of the committee's activities following the Fall Meeting in San Diego, CA.

The Society Committee on Budget and Finance (B&F) met on October 29, 2019, via webinar/teleconference, and on Saturday, December 7, 2019 in Washington, DC.

The committee conducted the following business:

- At its October meeting, B&F reviewed the Society's 2019 Forecast of full-year financial results based upon actual results through July 31, 2019. ACS expects to end the year with a net contribution from operations of \$38.4 million, or \$4.7 million favorable to the Approved Budget. ACS is projected to comply with each of the five Board-established financial benchmarks as of December 31, 2019.
- In December, B&F approved and voted to recommend to the ACS Board the Society's 2020 proposed operating budget with a projected net contribution of \$41.3 million and 2020 proposed capital budget of \$43.6 million. The committee also received brief reports from the B&F Subcommittee on Program Funding Requests and the B&F Subcommittee on Program Review. Finally, an update on Washington Information Technology budget and related initiatives was presented.

Joseph Heppert, 2019 Chair  
William Greenlee, 2020 Chair

**AMERICAN CHEMICAL SOCIETY  
CALCULATION OF 2021 DUES**

**Authorization: Standing Rule II, Section 5,a**

"For 1986 the base rate upon which membership dues shall be calculated shall be \$69. For each succeeding year the base rate shall be the dues established for the previous year. For 1986 and each succeeding year, an amount shall be calculated by multiplying the base rate by a factor which is the ratio of the revised Consumer Price Index for Urban Wage Earners and Clerical Workers (Service Category) for the second year previous to the dues year to the value of the index for the third year previous to the dues year, as published by the United States Department of Labor, with fractional dollar amounts rounded to the nearest whole dollar. At its spring meeting, the Council may set the dues for the succeeding year at that calculated amount or at the amount of the previous year's dues or at some intermediate whole dollar amount. Should the Council not act, the dues shall become the rounded calculated amount. The membership dues so determined shall be announced to the membership by the Treasurer of the SOCIETY in the official organ of the SOCIETY six months before the effective date of each change. Members not requesting any of the discounts provided elsewhere in these Bylaws may elect a dues period of one year, two years, or three years. The dues rate for two-year or three-year periods shall be two time or three times, respectively, the full annual dues rate established for the first year of the period.

2) Change in Consumer Price Index, Urban Wage Earners, Services Category (CPI-W Services)

December 2019 CPI-W (Services)	321.967
December 2018 CPI-W (Services)	313.441
Change in CPI-W Index	2.72%

3) 2021 Dues, fully escalated	\$175.00 * 1.0272=	\$ 179.76
<b>2021 Dues, rounded</b>		<b>\$ 180.00</b>

## REPORT OF THE COMMITTEE ON EDUCATION

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

Implementation teams are continuing to implement strategies fulfilling the SOCED vision, mission and goals.

*Vision:* The future of chemistry teaching and learning

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

*Goal 1:* Promote effective chemistry education

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

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

Collaborative activities continue to enhance progress towards fulfilling the educational goals of ACS and SOCED. A partnership with the Younger Chemists Committee facilitated the involvement of undergraduate students at the 2020 ACS Leadership Institute. SOCED and the Division of Chemical Education coordinate efforts ranging from meeting programming to supporting the American Association of Chemistry Teachers (AACT).

In December, the ACS Board of Directors approved the ACS Science Education Policy Statement, revised by a SOCED task force in 2019. This ACS Position Statement is available at [www.acs.org/policy](http://www.acs.org/policy) under "Science Education & Workforce".

The ACS comment "Getting the facts out about teaching chemistry as a career" in the November 9, 2019 issue of C&EN highlighted the toolkit and other activities of the Get the Facts Out project supported by the National Science Foundation's Improving Undergraduate STEM Education initiative. More information is available at [www.acs.org/GetTheFactsOut](http://www.acs.org/GetTheFactsOut).

### Primary and secondary education

AACT ended 2019 with 6,714 members, an 18% growth since 2018. AACT members have the option of dual membership with ACS. A total of 22 webinars were held in 2018, with an average rating of 4.6 on a 5.0 scale. The online resource library now has 817 items, and *Chemistry Solutions* has 166 peer-reviewed articles.

### Post-secondary education

At the end of December 2019, there were 18,985 student members, compared to 18,457 at the end of December 2018. With 17 new chapters chartered in 2019, there are now 75 international student chapters in 27 countries, exceeding the 2019 goal of 65 chapters.

ACS Student Chapter visits were initiated in 2019 with trips to six different campuses across the US. Chapters requested discussion sessions rather than programming, providing opportunities to learn more about chapter and student needs, help problem solve and strategize, and share information about ACS and its resources.

ACS participation in the Inclusive Graduate Education Network and the ACS Bridge Project, launched in 2019, continue. The ACS Bridge Program and the ACS Bridge Travel Awards are designed to increase the number of students from underrepresented groups who receive doctoral degrees in chemical sciences. More information about these activities, supported by an alliance grant from the NSF Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering & Science (NSF INCLUDES), are available at [www.acs.org/bridge](http://www.acs.org/bridge).

Community input on approaches and tools for assessing and improving the use of individual development plans (IDPs) with graduate students was obtained during a two-day summit in December. The summit is part of a nationwide project, led by ACS and supported by an NSF Innovations in Graduate Education grant.

ACS also organized and hosted the inaugural Principal Investigator meeting for the NSF Innovations in Graduate Education (IGE) program on January 30-31. “Catalyzing advances and generating knowledge” was attended by representatives of 49 IGE projects.

#### ACS Spring 2020 National Meeting Highlights

At the ACS National Meeting in Philadelphia, events for students and educators will include the Chemistry Teachers Program (Sunday, March 22). Councilors and national meeting attendees are encouraged to attend the ACS Undergraduate Student Chapter Awards ceremony (Sunday, March 22), the Undergraduate Research Poster Sessions (Monday, March 23), the Graduate and Postdoctoral Reception (Monday, March 23), and other sessions focused on undergraduate and graduate students. The ACS Catalyzing Career Networking program will continue connecting job seekers (senior undergraduate students, graduate students, and postdoctoral scholars) with potential employers from academia and industry, and encouraging career networking during or after research presentations ([www.acs.org/C2N](http://www.acs.org/C2N)).

Questions and suggestions regarding SOCED activities, current and potential, can be sent to [education@acs.org](mailto:education@acs.org).

Jennifer Nielson, Chair

## REPORT OF THE COMMITTEE ON SCIENCE

This report updates the Council on ComSci's activities since the ACS National Meeting in San Diego.

ComSci members provided feedback on a draft policy statement on critical materials, which is being developed with the Committee on Environmental Improvement. Critical materials, such as rare earth metals and helium, are of growing concern to policymakers, and an ACS policy statement will help inform lawmakers as they work on solutions to shortages and supply chain uncertainties. To explore this issue in more detail, ComSci is organizing a symposium on critical materials at the San Francisco National Meeting.

ComSci is co-sponsoring two symposia in Philadelphia: Food Packaging Materials: Safety, Active Packaging & Sustainability (with AGFD), and Novel Mechanisms for Alzheimer Disease (with MEDI).

The Awards Subcommittee is preparing a nomination for the Grand Prix de la Foundation Award for consideration by the Committee on Professional and Member Relations.

Martin G. Kociolek, Chair



## REPORT OF THE COMMITTEE ON ECONOMIC AND PROFESSIONAL AFFAIRS

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

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

Following approval by Council at the 2019 Fall National Meeting, the ACS Board of Directors approved the adoption of the Chemical Professional's Code of Conduct effective December 6, 2019. The updated Code of Conduct, which expects ACS members to adhere to the highest ethical and safety standards, can be found at: <https://www.acs.org/content/acs/en/careers/career-services/ethics/the-chemical-professionals-code-of-conduct.html>.

A pilot program offering access to Korn Ferry Advance (KFA) career tools to a limited number of ACS members concluded in December 2019. A survey of pilot participants regarding their experience using the KFA tools is currently underway. In addition, staff is monitoring member renewals to assess impact of the program on ACS Membership. CEPA will review preliminary findings of the pilot program at the Spring National Meeting.

In 2019, six ACS Career Day events were conducted in partnership with ACS local sections. The events, targeting mid-level career seekers, included workshops, employer showcases and networking activities to support continued professional advancement. Individual career consulting appointments were made available exclusively to ACS Members at these events. Six ACS Career Day events are scheduled for 2020.

CEPA is continuing to reimagine the National Meeting Career Fair by adding to the list of one-on-one career consulting options with ACS Career Consultants, centralizing Society wide career resources at the fair and promoting networking amongst industry members.

CEPA continues to recruit and develop ACS member volunteers wishing to serve as ACS Career Consultants. In 2019, 17 volunteers were recruited; nine of those recruited successfully completed the review process and have been approved to serve as ACS Career Consultants. A training session for ACS Career Consultants will occur in conjunction with the 2020 Fall National Meeting. The training workshop will incorporate additional resources by leveraging career fair recruiters, consultants and staff to give their first-hand perspective on current hiring practices, state of the art job search strategies, salary data, etc.

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

Eric A. Bruton, 2020 Chair  
Frank Romano, 2019 Chair

## REPORT OF THE COMMITTEE ON MEMBERSHIP AFFAIRS

The ACS Committee on Membership Affairs (MAC) remains focused on ensuring that our membership remains vibrant, relevant, and useful to chemical scientists and engineers worldwide. We are pleased to report that bolstered by our continued market tests, ACS again grew its membership in 2019 for the second year in a row after a decade of declines. The year closed with 152,345 members, which is 0.9% more members than the previous year.

In 2019, about 83% of our members chose to renew their memberships which is in line with the 10 year rolling average. At the same time, the Society lost over 26,000 members which equates to about 17% of the membership.

To produce the 0.9% growth noted above, the Society therefore added over 27,300 members in 2019. The majority of these new or reinstating members joined through a traditional recruitment method (57%); however a significant portion of the new members (43%) were at least partially incentivized by a MAC-sponsored market test.

In service of MAC's vision that "All students and professionals within the global chemistry enterprise are engaged ACS members," we remain committed to the importance of these market tests for the future of the Society. They are not a curative and the need to make permanent, focused changes to our membership's function is essential to producing an ACS that is responsive to the world of today.

Through these tests, a preponderance of research evidence is making it abundantly clear that it is time for ACS to provide its members and potential members new and tailored ways to affiliate with the Society. This has been validated in interviews, surveys, and discussion with our members and reinforced at the Spring 2019 special Council discussion where our Councilors directly articulated the need to make membership more flexible for the future.

In response to all of these factors, members of MAC worked with many governance colleagues to propose a process change to how membership benefits, dues, and discounts are developed, revised, and submitted for Council consideration. This petition is up for your action at this national meeting. We want to be abundantly clear that it does nothing to immediately change the status quo—our membership and processes for 2021 will be identical to what they would be without it—the vote does create a process for Council to take action on transforming membership at a future meeting. We want to reiterate that this Petition on Dues and Benefits takes no remit away from Council, which still retains the right to approve any and all changes to our membership.

In parallel to these petition discussions, MAC is also actively engaged in market testing to further experiment with value creation for members by creating retention incentives, revising benefits for some, and varying introductory dues to provide a better understanding of these complex issues. As we move towards a potential change in our membership process, all members are invited to attend the committee's open session in Philadelphia or email their ideas at any time to [mac@acs.org](mailto:mac@acs.org). The current active market tests are as follows.

1. **Membership Bundling:** ACS has a significant yearly reach of tens-of-millions of individuals within the scientific enterprise (authors, reviewers, readers, users, attendees, etc.), yet less than 1% of those individuals chose to affiliate as a member. Research has shown us that this is not an awareness issue but that ACS's membership value proposition is not sufficient to entice action. Working across Publications, CAS, Education, and other Divisions of the Society to bundle membership with these potential members' engagements produced over 5,700 new members in 2019. The test runs through March 2021.

2. **Inline Join & Register:** While not an official market test as defined in the ACS standing rules, MAC has been working to improve the process of becoming a full-paid ACS member while engaged in another transaction with the Society. For 2019, this involved both the Orlando and San Diego national meeting registrations, which allowed a non-member registrant to purchase membership and save on meeting attendance immediately. This offer successfully generated over 3,400 members from those meetings in 2019.
3. **Renewal Drives:** Marketing, mailing, and assorted renewal efforts each year cost ACS on the order of \$20-\$70 per member. Because of the significant renewal costs associated with each member, MAC has authorized a trial of renewal incentives at select events. This removes the chance of the member not renewing but also produces tangible expense savings. In 2019, we expanded this offer to include the regional meetings as well as the national meetings and 750 members renewed onsite with us. The committee is considering ways to expand this program further to electronic means. The test runs through August 2021.
4. **Introductory Discounts:** MAC approved a market test which encourages individuals to become members by providing a discount on their first year. These offers are made at events attended by all branches of the Society and also online through experimental marketing campaigns. In 2019, over 1,300 joined through one such offer and the test runs through March 2021.
5. **New Graduate Multi-Year:** Building off the 1-year, 50% discount for new graduating Bachelor's students in the ACS governing documents, MAC chartered a test of an additional 3-year 66% offer for new graduates of all degree types (Associate, Bachelor, Master, and Doctorate). This resulted in 350 new students during a time when they most needed it and were likely to otherwise walk away from ACS. This test runs through August 2021.
6. **Joint Memberships:** MAC remains interested in evaluating the effectiveness of joint membership and shared discounts with other Societies. In 2018 we piloted a relationship with the American Association of Chemistry Teachers (AACT), and in 2019 we worked with the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) to setup a joint pilot launching in Q1 2020. In 2019 this test brought in over 1,500 members and runs through March 2021.
7. **Country-specific Dues Pricing:** In Spring 2019, MAC received approval from Council to extend this pricing model for another three years to further study its impact. The program provides discounts of 50%, 66%, or 75% for countries defined by the World Bank as upper-middle, lower-middle, or low income, respectively. In 2019, approximately 2,150 members were solely on this program out of our over 30,500 international members. The program runs through March 2022.
8. **International Recruitment Incentive:** ACS International Chemical Science Chapters are provided an incentive to recruit members and offered a \$15 referral fee, similar to the Presidential Challenge in the U.S. The program is being revitalized and in 2019 resulted in the recruitment of around 50 new members. It was extended by previous Council action in 2017 and a new extension, if warranted, would be brought to Council in August 2020.

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

Brian M. Mathes, Chair

**FOR INFORMATION ONLY**

WITHDRAWN

**O R I G I N A L**

**Petition on Membership and Dues**

Bylaw I, Sec. 3, b  
Bylaw II, Sec. 3, a - c  
Bylaw XIII, Sec. 3 a, d – l

**Petition**

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

**BYLAW I**  
**Membership**

...  
**Sec. 3**

...  
b. The Council Committee on Membership Affairs may approve for STUDENT MEMBER a person who is actively working toward an undergraduate degree in a chemical science or in a related field of natural science, engineering, technology, or science education from an appropriately accredited educational institution, or one acceptable to the Council Committee on Membership Affairs. A STUDENT MEMBER may retain such status only as long as that person is actively working toward such a degree. A STUDENT MEMBER who no longer meets the requirements for STUDENT MEMBER but does meet the requirements for MEMBER shall be reclassified no later than the beginning of the following membership year. (6/11/10)

~~A STUDENT MEMBER shall be entitled to all privileges of membership except that of holding an elective position of the SOCIETY, its Local Sections, or its Divisions, and the privilege of serving as Temporary Substitute Councilor; however, if the bylaws of the Local Section or Division so permit, a STUDENT MEMBER may hold an elective position of the Local Section or Division, other than Councilor or Alternate Councilor. (6/30/09)~~

...  
...  
**Sec. 6.**

**a. Ten members or five voting Councilors may submit amendment(s) to the dues and benefits of membership to the Council Committee on Membership Affairs by written petition, with at least five weeks prior notice to the committee's next official meeting. The**

**Council Committee on Membership Affairs shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. After the meeting, the committee shall include the amendment(s) in the next release of the dues and benefits of membership.**

**b. If the amendment(s) are not approved by the Council Committee on Membership Affairs, the decision may be appealed to the Council Policy Committee by written petition of 25 voting Councilors at least eight weeks prior to the next Council meeting. The Council Policy Committee shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. If approved, after the meeting, the Council Policy Committee will mandate that the Council Committee on Membership Affairs include the amendment(s) in the next release of the dues and benefits of membership.**

**c. If the Council Policy Committee does not approve the amendment(s), an appeal may be brought to the Council floor for action if at least three-tenths (3/10) of voting Councilors agree to its consideration. The Council shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. If approved, after the meeting the Council will mandate that the Council Committee on Membership Affairs include the amendment(s) in the next release of the dues and benefits of membership.**

## **BYLAW II**

### **Affiliates and Associates**

...

#### **Sec. 3.**

a. A person who is not eligible to be a member of the SOCIETY may become a Society Affiliate of the SOCIETY, hereinafter referred to as a "Society Affiliate," subject to the following conditions and limitations: (6/30/09)

(1) Such affiliation may be accorded by the Council Committee on Membership Affairs of the SOCIETY after application and recommendation by signature of two members of the SOCIETY in good standing. (6/11/10)

~~(2) A Society Affiliate shall retain affiliate status only so long as payment is made of Society Affiliate dues, which shall be equal to the full membership dues. A Society Affiliate shall not be eligible for any of the special dues categories specified elsewhere in these Bylaws. (3/24/09)~~

~~b. Society Affiliates shall have the following privileges: (11/2/02)~~

~~(1) Society Affiliates shall receive the official organ of the SOCIETY and may subscribe to SOCIETY publications at the same rates as members. (11/2/02)~~

~~(2) Society Affiliates shall be allowed to register and attend meetings (including regional meetings) of the SOCIETY at the same rates as members, and they shall be allowed to use all educational services of the SOCIETY at the same rates as members. (11/2/02)~~

~~(3) Society Affiliates shall be assigned to an appropriate Local Section in the same manner as members as provided in the Constitution and elsewhere in these Bylaws. Society Affiliates may be assessed Local Section dues in the amount specified for Society Affiliates by the bylaws of that~~

~~Section. In Local Sections, Society Affiliates may be appointed as Committee Chairs, if allowed by the Local Section bylaws, but may not hold an elective position of the Local Section, vote on Articles of Incorporation and bylaws of the Local Section, or serve as a voting member of its Executive Committee or equivalent policymaking body. In their bylaws, Local Sections may either provide or withhold the privilege of voting by Society Affiliates for an elective position (other than Councilor or Alternate Councilor) of the Local Section. (6/1/17)~~

~~(4) Society Affiliates may become Society Affiliates of any Division unless specifically prohibited by the bylaws of the Division and shall be subject to such dues as are specified by the bylaws of that Division for Society Affiliates. In Divisions, Society Affiliates may be appointed as Committee Chairs, if allowed by the bylaws of the Division, but may not hold an elective position of the Division, vote on Articles of Incorporation and bylaws of the Division, or serve as a voting member of its Executive Committee or equivalent policymaking body. In their bylaws, Divisions may either provide or withhold the privilege of voting by Society Affiliates for an elective position (other than Councilor or Alternate Councilor) of the Division. (6/1/17)~~

~~c. Society Affiliates shall have no vote in the national affairs of the SOCIETY and shall not be eligible for any elective office in the SOCIETY. Society Affiliates shall be entitled to those privileges of the SOCIETY which are herein specified. (11/2/02)~~

...

## BYLAW XIII

### Finances

...

#### Sec. 3.

a. ~~For 1986 the base rate upon which membership dues shall be calculated shall be \$69. For each succeeding year the base rate shall be the dues established for the previous year. For 1986 and each succeeding year, an amount shall be calculated by multiplying the base rate by a factor which is the ratio of the revised Consumer Price Index for Urban Wage Earners and Clerical Workers (Service Category) for the second year previous to the dues year to the value of the index for the third year previous to the dues year, as published by the United States Department of Labor, with fractional dollar amounts rounded to the nearest whole dollar. At its spring meeting, the Council may set the dues and benefits of membership for the succeeding year at that calculated amount or at the amount of the previous year's dues or at some intermediate whole dollar amount using procedures and policies developed by the Council Committee on Membership Affairs and approved by the Council. The dues and benefits of membership as presented by the Committee on Membership Affairs in consultation with the Committee on Budget and Finance shall be voted on by Council without modification. Should the Council not act, the dues and benefits of membership shall default to the last approved version. dues shall become the rounded calculated amount. The dues and benefits of membership dues so determined shall be announced to the membership by the Treasurer of the SOCIETY in the official organ of the SOCIETY six months before the effective date of each change. Members not requesting any of the discounts provided elsewhere in these Bylaws may elect a dues period of one year, two years, or three years. The dues rate for two year or three year periods shall be two times or three times, respectively, the full annual dues rate established for the first year of the period. (9/15/09)~~

...

~~d. A member of the SOCIETY who has accumulated at least thirty-five years of paid membership, who is retired from full time professional employment, and is over seventy years of~~

ITEM VIII, B,(2),a  
Petition on Membership and Dues

~~age, is eligible for emeritus status and upon request shall be given such status upon certification by the Executive Director. Such a member shall pay no membership dues, may receive upon annual request the official organ of the SOCIETY, and shall have all the privileges of membership that were held at the time of certification to emeritus status. (6/30/09)~~

~~All members who, prior to January 1, 1986, had accumulated thirty-five years of paid membership are eligible for emeritus status upon retirement from full time professional employment or at seventy years of age. Such status shall be given following request by the member and certification by the Executive Director. (12/11/88)~~

~~e.—A member who becomes totally disabled may be granted a dues waiver. To be eligible for a waiver, the member must have paid dues for at least ten years, have been disabled for at least one year, and furnish proof of the disability. The request for a waiver shall be made to the Executive Director annually upon receipt of the dues statement. The Committee on Membership Affairs, acting for the Council, shall resolve any member's appeal from adverse action on such a request. (5/7/76)~~

~~f.—A person graduating with a bachelor's degree in a chemical science or in a related field of natural science, engineering, technology, or science education from an appropriately accredited educational institution, or one acceptable to the Committee on Membership Affairs, may apply for MEMBER status, by reclassification from STUDENT MEMBER or otherwise, and receive a half-year waiver of membership dues to begin at any time up to one year from the date of graduation. (6/11/10)~~

~~g.—A member who has accumulated at least thirty years of paid membership and is retired from full time professional employment shall, upon request to the Executive Director and affirmation of such status, be entitled to a discount of one half the membership dues for each year beginning on the member's anniversary date, and shall receive the official organ of the SOCIETY upon annual request. (10/4/99)~~

~~All members who, prior to January 1, 1986, had accumulated at least twenty five years of paid membership shall be entitled to this privilege upon retirement from full time professional employment. (9/21/90)~~

~~h.—A member who is serving actively in the Armed Forces of the United States of America or in another area of national service on temporary full-time duty of not less than one year nor more than four years may, upon request to the Executive Director with affirmation of such status, be entitled to a discount of one half of the membership dues for each year of such service beginning on the member's anniversary date. (10/4/99)~~

~~i.—Student Discounts~~

~~(1) A STUDENT MEMBER, upon affirmation to the Executive Director of qualification for such status, shall be entitled to a discount of five-sixths of the membership dues. The dues so determined shall be rounded to the nearest whole dollar amount. A STUDENT MEMBER shall receive electronic access to the official organ of the SOCIETY. A STUDENT MEMBER wishing to receive a printed copy of the official organ shall pay an additional sum equal to one half of the calculated per member amount of the allocation to the official organ described elsewhere in this Bylaw, rounded to the nearest whole dollar amount. (6/30/09)~~

~~(2) A member who is a graduate student majoring in a chemical science or in a related field of natural science, engineering, technology, or science education at an appropriately accredited educational institution, shall be entitled to a discount of one half of the membership dues so long as the student is doing full time graduate work. "Full time" is to represent any combination of course work, research work, and teaching that the institution considers a full time load. (6/30/09)~~

~~The Committee on Membership Affairs shall have the power to interpret and apply these requirements, with the advice of the Society Committee on Education. (6/11/10)~~

~~j. Upon request from a member who is the spouse of a member, one of the two, with affirmation of their status to the Executive Director, shall be entitled to a reduction in membership dues equal to the prior year's per member allocation from dues revenue for the official organ of the SOCIETY in lieu of one subscription. (9/24/93)~~

~~k. After one year of paid membership, a member who is unemployed and is seeking full-time professional employment, upon request to the Executive Director and affirmation of such status, shall be entitled to an annual waiver of membership dues. Such annual waiver shall commence on the member's anniversary date and may be renewed each year for a total not to exceed three years so long as this status is reaffirmed each year. This provision may be invoked again only after a period of full time professional employment. (9/28/16)~~

~~l. After one year of paid membership, a member who has elected to discontinue full time professional employment because of long term obligations as a family care provider, upon request to the Executive Director and affirmation of such status, shall be entitled to a discount of one half of the membership dues. Such discount shall commence on the member's anniversary date and may be continued for up to an additional two years so long as this status is affirmed annually. This provision may be invoked again only after a period of fulltime professional employment. (10/4/99)~~

~~d m.~~ The Committee on Membership Affairs may conduct membership recruitment and retention market testing of SOCIETY memberships, services and benefits, including special dues categories, to provide data as the basis for recommendations to the Council. The number of individuals included in any test related to dues discounts shall not exceed a number equal to 10 percent of the total membership. Each test shall be limited to three years' duration unless granted prior approval by Council. All test results will be reported to the Council at least once a year. (6/1/12)

...

### Explanation

The ACS has been experiencing a decline in overall membership for more than a decade. In 2018, the Society was able to halt the decline and grow membership, but it required a great deal of effort for a small amount of growth – an increase of approximately 400 net members. In part, that strenuous effort was due to the limitations in the governing documents, which do not provide ample means to quickly adopt and sustain successful market-tested dues and benefit offers that attract new members. We recognize that we will need more flexibility with our processes and procedures to improve ACS membership for the future.

To that end, the Committee on Membership Affairs (MAC) has worked for several years to examine how we can meet the challenge of continued and sustainable growth through market testing initiatives.



ITEM VIII, B,(2),a  
Petition on Membership and Dues

MAC continues to seek new ways to reconcile and deliver a valuable membership experience to our members by revisiting dues structures and exploring changes to provided benefits. Comments and observations offered at the Council special discussion in spring 2019 included asking the Society to be more nimble and tailored in its approach to membership. Our ability to deliver as such, and to provide members the value they seek in a professional association, has been hindered in many ways by a lack of control in both the dues setting process used for the last 30+ years and concurrently the benefits granted to our various membership types.

The partnership between MAC, the Society Committee on Budget and Finance (B&F), Council, other stakeholders, our members themselves, and staff – and the increased focus on enhancing our agility— are the keys to achieving our membership goals. The petitioners seek to amend the ACS Bylaws by moving intact sections relating to the associated benefits of membership, how dues are set, and the dues discounts available into a separate process and procedures document. MAC, with input from B&F, would use this new document to develop and manage these areas, with revisions continuing to require Council approval for implementation. The procedures would allow use of the dues escalator but give Council the flexibility to make changes (adaptations) not permitted currently.

Adopting separate processes and procedures would make it easier to produce nimble change in response to market tests and most importantly provide the Society flexibility in the dues setting process to ensure the value of ACS membership remains in line with the relevant benefits we are offering. Further, it would allow for changes around benefits for current membership categories and their pricing/discounts, with full Council discussion and approval, at a pace accelerated over what is currently permitted. Thus, the Society can conscientiously offer a more relevant approach to how benefits and dues are considered, but appropriately maintain proper oversight of the process.

The petitioners are aware of the timing of the petition with regard to the status of the recently approved Petition to Streamline the ACS Governing Documents and its pending ratification by the ACS membership in fall 2019. If ratified, the Bylaws in question would become Standing Rules, and this petition would then be out of order. The appropriate approach then would be to amend the Standing Rules to accomplish the objectives of this petition. Petitioners are prepared to proceed accordingly.

Signed:

Dr. Mary Elizabeth Anderson	Dr. Thomas R. Gilbert	Dr. J. Kenneth Poggenburg, Jr.
Dr. G. Bryan Balazs	Dr. Joseph A. Heppert	Dr. Carolyn Ribes
Dr. George M. Bodner	Dr. Alison Hyslop	Dr. Richard J. Rosso
Dr. David A. Conlon	Dr. Paul W. Jagodzinski	Dr. Barbara Sawrey
Dr. Alan B. Cooper	Dr. Neil D. Jespersen	Dr. Diane Grob Schmidt
Dr. Richard S. Danchik	Dr. Julie L. Jessop	Prof. Joseph M. Serafin
Dr. Peter K. Dorhout	Dr. Sarah J. Leibowitz	Dr. Darlene K. Slattery
Ms. Carol A. Duane	Dr. Richard Lomneth	Dr. Laura Sremaniak
Dr. Joan M. Esson	Mr. Brian M. Mathes	

(This petition has been referred to the **\*Committee on Membership Affairs**, Committees on Divisional Activities and Local Section Activities, Council Policy Committee, Society Committee on Budget and Finance, Society Committee on Education, and Committee on Constitution and Bylaws.)  
**\*Committee having primary substantive responsibility**

**PRELIMINARY STATEMENT OF FINANCIAL IMPACT**

The financial implications of this petition are still being assessed. The Final Statement of Financial Impact will be available per Article XVIII, Sec. 2, d, which states in part, “The Chair of the Society Committee on Budget and Finance shall prepare a financial impact statement which also shall appear in the Council agenda when action is to be taken on the petition.”

**PRELIMINARY 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 not inconsistent with the Bylaws of the SOCIETY. The proposed Bylaw amendment accomplishes the petitioners’ intent for the Society’s Bylaws to allow flexibility and to adopt separate processes and procedures with regard to dues for the benefit of current and new members. The separate processes and procedures would need to be approved by Council.

However, earlier this year, the Board of Directors and Council approved changes to the Bylaws and the creation of Standing Rules, as proposed in the Petition to Streamline the ACS Governing Documents. There are inconsistencies between this petition and the Bylaws that were approved by Board of Directors and the Council in the Petition to Streamline the ACS Governing Documents. This fall, ACS members will vote to ratify the Constitution changes. If members approve these changes, the Petition on Membership and Dues will be withdrawn since the changes in this petition will already be covered and effective by yearend 2019.

Within thirty days after the Council meeting at which this petition is considered, comments and suggestions on the substance of the petition from opponents, committees, petitioners, and other interested members should be directed to the Chair of the Committee on Membership Affairs, which has primary substantive responsibility for the petition. Comments and suggestions may be sent to [bylaws@acs.org](mailto:bylaws@acs.org).

Dr. V. Dean Adams  
Chair

**FOR ACTION BY COUNCIL**

**Petition on Benefits and Dues**

**Standing Rule I, Sec. 5, b, 9, 10,  
Standing Rule II, Sec. 5, a**

**Petition**

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

**STANDING RULE I  
Membership Function**

...

**Sec. 5.**

...

**b. STUDENT MEMBERS**

The Committee on Membership Affairs may approve for STUDENT MEMBER a person who is actively working toward an undergraduate degree in a chemical science or in a related field of natural science, engineering, technology, or science education from an appropriately accredited educational institution, or one acceptable to the Committee on Membership Affairs. A STUDENT MEMBER may retain such status only as long as that person is actively working toward such a degree. A STUDENT MEMBER who no longer meets the requirements for STUDENT MEMBER but does meet the requirements for MEMBER shall be reclassified no later than the beginning of the following membership year.

~~(2) A STUDENT MEMBER shall be entitled to all privileges of membership except that of holding an elective position of the SOCIETY, its Local Sections, or its Divisions, and the privilege of serving as Temporary Substitute Councilor; however, if the bylaws of the Local Section or Division so permit, a STUDENT MEMBER may hold an elective position of the Local Section or Division, other than Councilor or Alternate Councilor.~~

...

**Sec. 9.**

**Affiliates and Associates**

...

a. A person who is not eligible to be a member of the SOCIETY may become a Society Affiliate of the SOCIETY, hereinafter referred to as a "Society Affiliate," in these Standing Rules.

Such affiliation may be accorded by the Committee on Membership Affairs of the SOCIETY after application and recommendation by signature of two members of the SOCIETY in good standing.

~~(2) A Society Affiliate shall retain affiliate status only so long as payment is made of Society Affiliate dues, which shall be equal to the full membership dues. A Society Affiliate shall not be eligible for any of the special dues categories specified elsewhere in these Standing Rules.~~

~~(3) Society Affiliates shall have the following privileges:~~

ITEM VIII, (2)b  
Petition on Benefits and Dues

~~(a) Society Affiliates shall receive the official organ of the SOCIETY and may subscribe to SOCIETY publications at the same rates as members.~~

~~(b) Society Affiliates shall be allowed to register and attend meetings (including regional meetings) of the SOCIETY at the same rates as members, and they shall be allowed to use all educational services of the SOCIETY at the same rates as members.~~

~~(c) Society Affiliates shall be assigned to an appropriate Local Section in the same manner as members as provided in the Bylaws and elsewhere in these Standing Rules.~~

~~(d) Society Affiliates may become Society Affiliates of any Division as provided elsewhere in these Standing Rules.~~

~~(4) Society Affiliates shall have no vote in the national affairs of the SOCIETY and shall not be eligible for any elective office in the SOCIETY. Society Affiliates shall be entitled to those privileges of the SOCIETY which are herein specified.~~

...

**Sec. 10.**

**Discounts**

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

~~b. A member who has accumulated at least thirty years of paid membership and is retired from full-time professional employment shall, upon request to the Chief Executive Officer and affirmation of such status, be entitled to a discount of one half the membership dues for each year beginning on the member's anniversary date, and shall receive the official organ of the SOCIETY upon annual request.~~

~~All members who, prior to January 1, 1986, had accumulated at least twenty five years of paid membership shall be entitled to these privileges upon retirement from full time professional employment.~~

~~c. A person graduating with a bachelor's degree in a chemical science or in a related field of natural science, engineering, technology, or science education from an appropriately accredited educational institution, or one acceptable to the Committee on Membership Affairs, may apply for MEMBER status, by reclassification from STUDENT MEMBER, and receive a half year waiver of membership dues to begin at any time up to one year from the date of graduation.~~

~~d. A member who becomes totally disabled may be granted a dues waiver. To be eligible for a waiver, the member must have paid dues for at least ten years, have been disabled for at least one year, and furnish proof of the disability. The request for a waiver shall be made to the Chief Executive Officer annually upon receipt of the dues statement. The Committee on Membership Affairs, acting for the Council, shall resolve any member's appeal from adverse action on such a request.~~

~~e. A member who is serving actively in the Armed Forces of the United States of America or in another area of national service on temporary full-time duty of not less than one year nor more than four years may, upon request to the Chief Executive Officer with affirmation of such status, be entitled to a discount of one half of the membership dues for each year of such service beginning on the member's anniversary date.~~

ITEM VIII, (2)b  
Petition on Benefits and Dues

f. Student Discounts

~~(1) A STUDENT MEMBER, upon affirmation to the Chief Executive Officer of qualification for such status, shall be entitled to a discount of five sixths of the membership dues. The dues so determined shall be rounded to the nearest whole dollar amount. A STUDENT MEMBER shall receive electronic access to the official organ of the SOCIETY. A STUDENT MEMBER wishing to receive a printed copy of the official organ shall pay an additional sum equal to one half of the calculated per member amount of the allocation to the official organ described elsewhere in these Standing Rules, rounded to the nearest whole dollar amount.~~

~~(2) A member who is a graduate student majoring in a chemical science or in a related field of natural science, engineering, technology, or science education at an appropriately accredited educational institution, shall be entitled to a discount of one half of the membership dues so long as the student is doing full time graduate work. "Full time" is to represent any combination of course work, research work, and teaching that the institution considers a full time load.~~

~~(3) The Committee on Membership Affairs shall have the power to interpret and apply these requirements, with the advice of the Society Committee on Education.~~

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

~~h. After one year of paid membership, a member who is unemployed and is seeking full time professional employment, upon request to the Chief Executive Officer and affirmation of such status, shall be entitled to an annual waiver of membership dues. Such annual waiver shall commence on the member's anniversary date and may be renewed each year for a total not to exceed three years so long as this status is reaffirmed each year. This provision may be invoked again only after a period of full time professional employment.~~

~~i. After one year of paid membership, a member who has elected to discontinue full time professional employment because of long term obligations as a family care provider, upon request to the Chief Executive Officer and affirmation of such status, shall be entitled to a discount of one half of the membership dues. Such discount shall commence on the member's anniversary date and may be continued for up to an additional two years so long as this status is affirmed annually. This provision may be invoked again only after a period of fulltime professional employment.~~

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

...

**Sec. 5.**

**Dues**

a. For 1986 the base rate upon which membership dues shall be calculated shall be \$69. For each succeeding year the base rate shall be the dues established for the previous year. For 1986 and each succeeding year, an amount shall be calculated by multiplying the base rate by a factor that is the ratio of the revised Consumer Price Index for Urban Wage Earners and Clerical Workers (Service Category) for the second year previous to the dues year to the value of the index for the third year previous to the dues year, as published by the United States Department of Labor, with fractional dollar amounts rounded to the nearest whole dollar. At its spring meeting, the Council may set the dues **and benefits**

of membership for the succeeding year at that calculated amount or at the amount of the previous year's dues or at some intermediate whole dollar amount using procedures and policies developed by the Committee on Membership Affairs and approved by the Council. The dues and benefits of membership as presented by the Committee on Membership Affairs in consultation with the Committee on Budget and Finance shall be voted on by Council without modification. Should the Council not act, the dues and benefits of membership shall default to the last approved version. ~~dues shall become the rounded calculated amount.~~ The dues and benefits of membership dues so determined shall be announced to the membership by the Treasurer of the SOCIETY in the official organ of the SOCIETY six months before the effective date of each change. ~~Members not requesting any of the discounts provided elsewhere in these Standing Rules may elect a dues period of one year, two years, or three years. The dues rate for two year or three year periods shall be two times or three times, respectively, the full annual dues rate established for the first year of the period.~~

...

### Explanation

The ACS has been experiencing a decline in overall membership for more than a decade. In 2018, the Society was able to halt the decline and grow membership, but it required a great deal of effort for a small amount of growth – an increase of approximately 400 net members. In part, that strenuous effort was due to the limitations in the governing documents, which do not provide ample means to quickly adopt and sustain successful market-tested dues and benefit offers that attract new members. We recognize that we will need more flexibility with our processes and procedures to improve ACS membership for the future.

To that end, the Committee on Membership Affairs (MAC) has worked for several years to examine how we can meet the challenge of continued and sustainable growth through market testing initiatives. MAC continues to seek new ways to reconcile and deliver a valuable membership experience to our members by revisiting dues structures and exploring changes to provided benefits. Comments and observations offered at the Council special discussion in spring 2019 included asking the Society to be more nimble and tailored in its approach to membership. Our ability to deliver as such, and to provide members the value they seek in a professional association, has been hindered in many ways by a lack of control in both the dues setting process used for the last 30+ years and concurrently the benefits granted to our various membership types.

The partnership between MAC, the Society Committee on Budget and Finance (B&F), Council, other stakeholders, our members themselves, and staff – and the increased focus on enhancing our agility—are the keys to achieving our membership goals. The petitioners seek to amend the ACS Standing Rules by moving intact sections relating to the associated benefits of membership, how dues are set, and the dues discounts available into a separate process and procedures document. MAC, with input from B&F, would use this new document to develop and manage these areas, with revisions continuing to require Council approval for implementation. The procedures would allow use of the dues escalator but give Council the flexibility to make changes (adaptations) not permitted currently.

Adopting separate processes and procedures would make it easier to produce nimble change in response to market tests and most importantly provide the Society flexibility in the dues setting process to ensure the value of ACS membership remains in line with the relevant benefits we are offering. Further, it would allow for changes around benefits for current membership categories and their pricing/discounts, with full Council discussion and approval, at a pace accelerated over what is currently permitted. Thus, the Society can conscientiously offer a more relevant approach to how benefits and dues are considered, but appropriately maintain proper oversight of the process.

Mary E. Anderson  
G. Bryan Balazs  
George Bodner  
David A. Conlon  
Alan Cooper  
Richard S. Danchik  
Peter K. Dorhout  
Carol A. Duane  
Joan M. Esson

Thomas R. Gilbert  
Diane Grob Schmidt  
Joseph A. Heppert  
Alison Hyslop  
Neil Jespersen  
Richard J. Rosso  
Joe Serafin  
Paul W. Jagodzinski  
Julie Jessop

Sarah Leibowitz  
Brian Mathes  
J. Kenneth Poggenburg  
Carolyn Ribes  
Barbara A. Sawrey  
Darlene Slattery  
Laura Sremaniak

## Marked Copy for Reference

### 2021 Schedule of Membership

This proposed Schedule of Membership is based on the ACS Governing Documents, for which a lot of text in the Schedule of Membership Specifics section below was taken from the Standing Rules. The Petition on Benefits and Dues proposes to remove the text from the Standing Rules so that it can be included in this Schedule. (additions underlined; deletions ~~struck through~~)

#### Dues and Benefits Process

The American Chemical Society strives to meet the challenge of continued and sustainable growth in membership through regular assessment of dues categories and benefits. To make membership in the Society a valued experience for its members, dues categories and benefits packages will be established based on the professional and personal benefits they provide to members at different stages in their careers and as their roles in the global chemistry enterprise evolve.

The Committee on Membership Affairs (MAC) shall assess member benefits annually, propose dues commensurate with those benefit packages, and submit its recommendations to the Committee on Budget & Finance (B&F). B&F shall conduct an analysis of the proposed dues and benefits packages to determine the financial impact on the Society. The recommendation for dues and membership benefits, and a statement of financial impact by B&F, shall be submitted by MAC to Council for action at its spring meeting.

Dues for each category will be based on the fair-market value of each benefits package. The base rate for dues shall be calculated by multiplying the previous year's base rate by a factor that is the ratio of the revised Consumer Price Index for Urban Wage Earners and Clerical Workers (Service Category) for the second year previous to the dues year to the value of the index for the third year previous to the dues year, as published by the United States Department of Labor, with fractional dollar amounts rounded to the nearest whole dollar. Annual dues changes as recommended to Council may not exceed \$10 or 10 percent, whichever amount is greater.

Should the Council not act to replace the proposed dues and benefits packages as submitted, the dues and benefits of membership shall default to the last approved version.

#### Schedule of Membership Specifics

##### Base Dues

The 2021 base dues rate will be as recommended by the Committee on Budget & Finance and approved by Council action.

##### Regular Member

Regular Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members. The dues for Regular Members shall be the full dues rate.

##### Regular Member – Graduate Student

Regular Member - Graduate Students are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.



A member who is a graduate student majoring in a chemical science or in a related field of natural science, engineering, technology, or science education at an appropriately accredited educational institution, shall be entitled to a discount of one-half of the membership dues so long as the student is doing full-time graduate work. "Full-time" is to represent any combination of course work, research work, and teaching that the institution considers a full-time load.

#### Student Member

A STUDENT MEMBER shall be entitled to all privileges of membership except that of holding an elective position of the SOCIETY, its Local Sections, or its Divisions, and the privilege of serving as Temporary Substitute Councilor; however, if the bylaws of the Local Section or Division so permit, a STUDENT MEMBER may hold an elective position of the Local Section or Division, other than Councilor or Alternate Councilor.

A STUDENT MEMBER, upon affirmation to the Chief Executive Officer of qualification for such status, shall be entitled to a discount of five-sixths of the membership dues. The dues so determined shall be rounded to the nearest whole dollar amount. A STUDENT MEMBER shall receive electronic access to the official organ of the SOCIETY. A STUDENT MEMBER wishing to receive a printed copy of the official organ shall pay an additional sum equal to one-half of the calculated per member amount of the allocation to the official organ described elsewhere in ~~these Standing Rules~~ this Schedule of Membership, rounded to the nearest whole dollar amount.

#### Society Affiliates

A Society Affiliate shall retain affiliate status only so long as payment is made of Society Affiliate dues, which shall be equal to the full membership dues. A Society Affiliate shall not be eligible for any of the special dues categories specified elsewhere in ~~these Standing Rules~~ this Schedule of Membership.

Society Affiliates shall have the following privileges:

Society Affiliates shall receive the official organ of the SOCIETY and may subscribe to SOCIETY publications at the same rates as members.

Society Affiliates shall be allowed to register and attend meetings (including regional meetings) of the SOCIETY at the same rates as members, and they shall be allowed to use all educational services of the SOCIETY at the same rates as members.

Society Affiliates shall be assigned to an appropriate Local Section in the same manner as members as provided in the Bylaws, ~~and elsewhere in these Standing Rules~~, and this Schedule of Membership. Society Affiliates may be assessed Local Section dues in the amount specified for Society Affiliates by the bylaws of that Section. In Local Sections, Society Affiliates may be appointed as Committee Chairs, if allowed by the Local Section bylaws, but may not hold an elective position of the Local Section, vote on Articles of Incorporation and bylaws of the Local Section, or serve as a voting member of its Executive Committee or equivalent policymaking body. In their bylaws, Local Sections may either provide or withhold the privilege of voting by Society Affiliates for an elective position (other than Councilor or Alternate Councilor) of the Local Section.

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of the Division, but may not hold an elective position of the Division, vote on Articles of Incorporation and bylaws of the Division, or serve as a voting member of its Executive Committee or equivalent policymaking body. In their bylaws, Divisions may either provide or withhold the privilege of voting by Society Affiliates for an elective position (other than Councilor or Alternate Councilor) of the Division.

Society Affiliates shall have no vote in the national affairs of the SOCIETY and shall not be eligible for any elective office in the SOCIETY. Society Affiliates shall be entitled to those privileges of the SOCIETY which are herein specified.

Except as described above, Society Affiliates shall have access to all other benefits as offered by the SOCIETY to its members.

#### Retired Member

Retired Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.

A member who has accumulated at least thirty years of paid membership and is retired from full-time professional employment shall, upon request to the Chief Executive Officer and affirmation of such status, be entitled to a discount of one-half the membership dues for each year beginning on the member's anniversary date, and shall receive the official organ of the SOCIETY upon annual request.

All members who, prior to January 1, 1986, had accumulated at least twenty-five years of paid membership shall be entitled to this privilege upon retirement from full-time professional employment.

#### Emeritus Member

Emeritus Members are entitled to the full range of privileges and benefits as offered by the SOCIETY to its members.

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

#### Membership Discounts and Variations

##### Multi-year Membership

Members not requesting any of the discounts provided elsewhere in ~~these Standing Rules~~ this Schedule of Membership may elect a dues period of one year, two years, or three years. The dues rate for two-year or three-year periods shall be two times or three times, respectively, the full annual dues rate established for the first year of the period.

##### Membership Discounts

##### *Disabled waiver*

A member who becomes totally disabled may be granted a dues waiver. To be eligible for a waiver, the member must have paid dues for at least ten years, have been disabled for at least one year, and furnish proof of the disability. The request for a waiver shall be made to the Chief Executive Officer annually upon receipt of the dues statement. The Committee on Membership Affairs, acting for the Council, shall resolve any member's appeal from adverse action on such a request.

*New Graduate Discount*

A person graduating with a bachelor's degree in a chemical science or in a related field of natural science, engineering, technology, or science education from an appropriately accredited educational institution, or one acceptable to the Committee on Membership Affairs, may apply for MEMBER status, by reclassification from STUDENT MEMBER, and receive a half-year waiver of membership dues to begin at any time up to one year from the date of graduation.

*National Service Discount*

A member who is serving actively in the Armed Forces of the United States of America or in another area of national service on temporary full-time duty of not less than one year nor more than four years may, upon request to the Chief Executive Officer with affirmation of such status, be entitled to a discount of one-half of the membership dues for each year of such service beginning on the member's anniversary date.

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After one year of paid membership, a member who is unemployed and is seeking full-time professional employment, upon request to the Chief Executive Officer and affirmation of such status, shall be entitled to an annual waiver of membership dues. Such annual waiver shall commence on the member's anniversary date and may be renewed each year for a total not to exceed three years so long as this status is reaffirmed each year. This provision may be invoked again only after a period of full-time professional employment.

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Amendments to the Schedule of Membership

Except for dues that are set by Council, in accordance with the Constitution, Bylaws, and Standing Rules of the SOCIETY, ten members or five voting Councilors may submit proposed amendment(s) to this Schedule of Membership to the Committee on Membership Affairs by written petition, at least five weeks prior to the committee's next official meeting. The Committee on Membership Affairs shall consider the proposed amendment(s) at an official meeting and may approve the amendment(s) by a majority affirmative vote, with concurrence by the Committee on Budget and Finance. After the meeting, the committee shall include the amendment(s) in the next release of this Schedule of Membership.

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If the Council Policy Committee does not approve the proposed amendment(s), an appeal may be brought to the Council floor for action if at least three-tenths (3/10) of voting Councilors agree to its consideration. The Council shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. If approved, after the meeting the Council will mandate that the Committee on Membership Affairs include the amendment(s) in the next release of this Schedule of Membership.

## **FOR ACTION BY COUNCIL**

### 2021 Schedule of Membership

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The American Chemical Society strives to meet the challenge of continued and sustainable growth in membership through regular assessment of dues categories and benefits. To make membership in the Society a valued experience for its members, dues categories and benefits packages will be established based on the professional and personal benefits they provide to members at different stages in their careers and as their roles in the global chemistry enterprise evolve.

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ITEM VIII, B (3)  
MAC Report

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Approved by Council:

3/2020



## REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

The official attendance at the Fall 2019 National Meeting and Expo in San Diego, CA, totaled 12,592. Scientific contributions totaled 9,594 with 6,997 oral and 2,597 poster presentations, and 122 concurrent technical sessions on the peak day, Monday.

The expo hall was 40,500 net square feet of energy and positivity. In the SAILS Pavilion at the convention center, attendees were able to refuel at several eateries, relax by playing games, networking, and reconnecting with colleagues, and recharge their electronics. Twenty-two sponsors supported the expo hall that included 266 exhibitors. Twenty-nine of that number were affiliated with Career Navigator LIVE!, of which 25 were first-time participants. The Industry Network Lounge, launched in Orlando, was opened to all attendees, and it served as home for C&EN's Table Talk Event. New to the expo was the ACS inaugural Entrepreneur Pitch Competition, which had eight startup teams competing for a \$5,000 prize.

The Committee on Meetings and Expositions (M&E) continued to grow its sustainability plan. The committee was deliberate in efforts to guide and encourage attendees to access the meeting program using both electronic sources, the mobile app and online planner. The mobile app was downloaded more than 10,000 times and the online planner for San Diego was accessed more than 24,000 times.

The M&E Subcommittee on Operations & Finance continued to be proactive in cost cutting measures. Successful reduction efforts, particularly housing much of the meeting program in the convention center, has resulted in the committee opting to not recommend enactment of the annual \$15 registration escalator, and opting for the standard CPI increase to the 2020 registration fee. The expectation is this achievement will endure as the ACS team continues to work with M&E and the Committee on Divisional Activities on the containment of the growth of concurrent technical sessions, while negotiating favorable vendor contracts that contain cost and complementing meeting offerings and services with prudence. The Early Member Registration Fee for the 2020 national meetings is \$505.

Technical programming experiments continue to add value to national meetings.

- Abstract submissions for Fall meetings: The subcommittee is collaborating with division program chairs to create a new process to establish a deadline that does not fall on top of the Spring meetings, giving the maximum possible time to submit abstracts while allowing the meetings team sufficient time to complete room assignments as early as possible. The deadline for the Fall 2020 meeting has been extended ten days, to April 6.
- Technical Program Scheduling Experiment: The Tuesday schedule at the San Antonio Spring 2021 meeting will mimic the proposed schedule for the Fall 2021 meeting in Atlanta as a preview of the proposed new daily timeline allowing unopposed time during the day for poster sessions in the exhibit hall.
- ePosters: Details were further developed with the expected participation in Spring 2020.

The Regional Meeting subcommittee and ACS staff continue to develop resources to support local section volunteers. Recent survey results show an 80 percent overall satisfaction rate. The Regional Meetings Subcommittee is considering strategies to better promote its services to enable organizers to develop meeting content and ACS to focus on meeting logistics. 2019 proved to be a successful year for regional meetings.

- More than 3,300 attendees participated in five Spring 2019 regional meetings with a greater number expected for the three Fall meetings.
- The total number of abstracts submitted for the Fall meetings was 1,812.
- No Nano/One-Day meetings were held 2019.

The Exposition and Industry subcommittee continues to work on the M&E strategic goal of increasing industrial participation in the Exposition. Part of the outreach included a meeting with Corporate Associates Committee representative RJ Wolcik to discuss how the two committees can collaborate to increase industry participation.

The Department of Meetings & Exposition Services has continued to expand additional meeting logistic support offerings through the Specialty Meetings Department. Collaboration focuses on a diverse range of specialty areas, including green chemistry, international partnership development with other chemistry societies, leadership development, and chemistry education. In 2019, specialty meetings supported more than 1,000 meeting attendees.

The committee is actively involved in two task forces.

- Task Force on Enhancing Poster Sessions: Initiated by the M&E Committee to develop strategies for improving the attendance and structure of poster sessions.
- Board Task Force on the Future of Meetings: M&E Committee member, and 2020 M&E Chair, Rick Ewing serves as co-chair of the Board Task Force on the Future of Meetings, which has the task of assessing the current ACS meetings portfolio to determine its sustainability for the future.

Rick Ewing, 2020 Chair  
Kevin J. Edgar, 2019 Chair

## REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

At the Council meeting in San Diego, the Committee on Divisional Activities (DAC) reported on its efforts to promote Division Membership. The committee continues its initiative called “Division Row”, placing divisional posters in a well-trafficked area of Sci-Mix. The objective is to provide divisions with more exposure to national meeting attendees—particularly, those younger chemists in attendance with whom divisions are eager to engage.

ACS is continuing to offer new members the opportunity to join three technical divisions at no cost. This initiative (started in March 2018) is part of a strategy to allow new members to explore what several divisions have to offer as they decide which community is right for them. This offer is bearing fruit. In 2019, there were 20,463 free divisional memberships activated compared to 13,331 in 2018. The total number of divisional memberships at year-end was 97,146, an increase of more than 6,000 members over the 91,141 total in 2018.

The “Three Free” promotion affords divisions the opportunity to showcase the value of their Division membership to more new members. DAC is working to identify some of the best practices used by Divisions to articulate the value of division membership and retain these new members. Other key discussion items in Philadelphia include Division Membership Demographics and the Division Allocation formula.

DAC wants to enhance collaborative programing between divisions. In addition to supporting the efforts of the Multidisciplinary Program Planning Group (MPPG) to facilitate collaborative programming around the National Meeting theme, DAC is continuing to develop a concept—Convergence Research Communities (CRC)—to further promote collaborative programing in emerging topic areas. The committee will review a plan for a pilot program at the Philadelphia meeting.

Starting in Philadelphia, DAC is expanding its Monday breakfast meeting of Division Program Chairs to now include events at both the Spring and Fall National meetings. The purpose is to provide a venue for program chairs to discuss programming needs and collaborate on programming. Twenty-five divisions, as well as representatives from MPPG, the Committee on Meetings and Expositions, and ACS staff are expected to participate in what is usually a lively discussion.

The committee wishes to acknowledge the efforts of the divisions and MPPG in organizing and delivering a wide range of excellent programming in support of the Philadelphia theme: “*Macromolecular Chemistry: The Second Century*”.

James M. Takacs, Chair

## REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities hosted the local section track of the ACS Leadership Institute, January 24-26, 2020 in Atlanta, GA. All incoming chairs-elect, as well as other interested local section officers were invited to attend this important training. A total of 128 delegates representing 104 local sections participated in the Institute. LSAC, once again, hosted a special workshop: "Getting Your Section Back on Track" to support those leaders who need assistance with re-invigorating their sections. Four local section track breakout sessions (Communicating with Your Members, Funding Opportunities and Using Social Media in Your Local Section – Beginner and Intermediate) were recorded and will be posted on [acs.org](http://acs.org) this Spring. In addition, LSAC offered collaborative project mini-grants to support joint local section projects that were developed during the Leadership Institute. Local Sections are encouraged to prepare to send at least one representative to the 2021 Leadership Institute (Date: TBD).

LSAC is pleased to report the following progress since the San Diego national meeting:

- 45 Innovative Project Grants (IPGs) were submitted in 2019. Of those, LSAC approved 37 IPGs for a total of \$97,125. The IPGs, now in their 17<sup>th</sup> year, will continue in 2020 with a budget of \$84,000. Local sections are encouraged to submit proposals for the June 30, 2020 deadline. Program information and grant applications are available at [www.acs.org/getinvolved](http://www.acs.org/getinvolved) (click on "Local Section Volunteer Resources" and then "Funding and Financials").
- LSAC awarded \$2,000 grants to six local sections that wish to host ACS Leadership Development Strategic Planning Retreats 2020. In addition, to the LSAC grants, these six local sections will receive supplemental funding to support their retreats as part of an ACS Board of Directors, Strategic Planning Committee's pilot program.
- 10 of the 12 applications for the Members Engaging Through Technology (METT) Grants were awarded a total of \$13,270. The METT grant aims to assist local sections to harness technology in order to engage members, to fulfill section's goals and activities, and to improve member recruitment efforts.
- The Forms Online Report Management System (FORMS) opened on November 1<sup>st</sup> for the 2019 Local Section Annual Report submission process.
- Local Section allotments will be processed (starting March 1, 2020) as Annual Reports are submitted.
- LSAC hosted the Local Section Pre-Leadership Institute webinar on January 16<sup>th</sup> with 77 Local Section officers in attendance. A link to the recorded webinar is available at [www.acs.org/getinvolved](http://www.acs.org/getinvolved) (Click on Local Sections and then Training and Support).

W. Matthew Reichert, 2020 Chair  
Jason E. Ritchie, 2019 Chair

## REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS

The Council approved the Petition to Streamline the ACS Governing Documents at its spring meeting in Orlando. ACS members overwhelmingly approved the Constitution changes in the petition last fall. These approvals, including confirmation by the Board of Directors, resulted in new ACS Governing Documents. The January 1, 2020 edition is available at [www.acs.org/govdocs](http://www.acs.org/govdocs) along with a detailed summary of changes. The online edition is the authoritative version.

Since the Council meeting in San Diego, the Committee on Constitution and Bylaws (C&B), acting for the Council, issued 10 certified bylaws to five Local Sections, three Divisions, and one International Chemical Sciences Chapter: Binghamton, Chemical Society of Washington, La Crosse-Winona, Texas A&M, and Wyoming Sections, GEOC, NUCL and RUBB Divisions, and the Georgia International Chemical Sciences Chapter. C&B also reviewed nine proposed bylaws. Certified bylaws are available online at [www.acs.org/govdocs](http://www.acs.org/govdocs) (click on unit bylaws).

There are two easy ways to update unit bylaws. Use either the model bylaws or the questions document; both methods give the same results. These documents and other useful information such as status reports and links to other documents are available at [www.acs.org/govdocs](http://www.acs.org/govdocs). You can contact C&B at [bylaws@acs.org](mailto:bylaws@acs.org).

An urgent action petition to amend the Bylaws, the Petition to Clarify Amendments to the Standing Rules, is up for action at this meeting. The original petition and a revised version are in the Council agenda.

The Petition on Benefits and Dues, which is a petition to amend the Standing Rules, is also up for Council action. Petitions to amend the Standing Rules are handled differently than petitions to amend the Constitution and Bylaws. Amendments to Standing Rules that have been approved by the committee responsible for the function are sent to Council for action.

There are no petitions for consideration in Philadelphia.

New petitions to amend the Constitution or Bylaws must be received by the Executive Director ([bylaws@acs.org](mailto:bylaws@acs.org)) **by April 29** to be included in the Council agenda for the fall 2020 meeting in San Francisco, CA. We suggest that drafts be sent to C&B at least one or two months before this deadline so that we can assist with petition requirements and ensure that the wording is in accordance with the new ACS Governing Documents.

ACS members are invited to attend C&B's open meeting on Sunday, March 22, from 1:15 – 1:45 pm. The committee will give a brief status report and will be happy to respond to your questions. If you cannot attend the meeting and have any questions, please contact us at [bylaws@acs.org](mailto:bylaws@acs.org).

Donna G. Friedman, 2020 Chair  
V. Dean Adams, 2019 Chair

A. Younger Chemists  
(joint with Board)

The mission of the Younger Chemists Committee (YCC) is to advocate for, develop, and support rising chemists to positively impact their careers, the ACS, and the future of chemistry. The most recent YCC meeting was held in San Diego on August 24-25, 2019 and began with a review of our Strategic Plan to ensure alignment and discuss progress made toward our goals. The meeting also featured discussions with Peter Dorhout, Bonnie Charpentier, and Luis Echegoyen, which gave the YCC several opportunities to learn more about upcoming initiatives from the Presidential Succession, ask questions, and identify how younger chemists can provide support. In order to increase intracommittee communication, each subcommittee participated in 15-minute rotations to follow-up on existing action items and jump-start collaboration. Members of the committee enjoyed these interactions, and we will continue this activity in 2020 as a way to provide touchpoints between the subcommittees. On Sunday, Mary Kirchoff presented on behalf of the Consortium on Sexual Harassment Prevention, and we discussed the Next Generation Leadership initiative with Allison Campbell. In addition, Jetty Duffy-Matzner, from the Committee on Committee, presented the 2019 Committee Demographics Survey to the committee.

In San Diego, YCC sponsored several successful events highlighting topics of interest to our membership. In celebration of the International Year of the Periodic Table, YCC hosted a symposium entitled “Our Element(s): Younger Chemists from Around the World,” in collaboration with the International Activities Committee (IAC) to celebrate several of the young leaders featured as “elements” on the IUPAC Periodic Table of Younger Chemists. In addition, YCC sponsored a thematic program, “Going With the Flow of Water: Career Paths and Journeys,” as well as “Getting Your First Industrial Job” and “Networking 101”, which drew participants from a variety of backgrounds. We continued our successful collaboration with the Senior Chemists Committee (SCC) on the “Networking with Chemistry Professionals” social, and co-sponsored “The Chemistry of Aged Beer & Spirits” with AGFD. We are grateful to our corporate sponsor, DuPont, for their generous support of the traditional YCC Fun Run, which took place on Monday morning. The YCC presented 2019 ChemLuminary Awards to the East Central Illinois YCC as the Outstanding Local Section YCC and the Georgia YCC for their Outstanding or Creative Local Section Event on Monday evening.

In October, YCC hosted the 5<sup>th</sup> annual Catalyze the Vote Live Town Hall featuring the two Presidential Candidates, H.N. Cheng and Carol Duane. We partnered with the ACS Webinars program in order to broaden the reach of the Town Hall and received great feedback on this event, as it provided members with an opportunity to learn more about the Presidential Candidates’ platforms on topics relevant to younger chemists, including education, career development, and science literacy. YCC also recently awarded a Local Section Starter Grant to our first international YCC, the University of Calabar in Nigeria. With this funding, the local section organized a one-day outreach event entitled “Young and Skillful Chemists” in October for students, which included interactive lectures on career paths in chemistry, practical applications of chemistry in everyday life, and a safety demonstration.

In 2020, YCC is excited to continue to execute and build upon the goals outlined in our 2018 Strategic Plan. Winners of the Leadership Development Award attended the YCC Track at the 2020 Leadership Development Institute in Atlanta, GA. Participants included younger chemist leaders, undergraduate students, and local section YCC leaders, and the track continues to be a transformative development opportunity for our constituents. We are looking forward to several new programs at the upcoming Philadelphia meeting, including “Young Chemists, Big Impact: Diverse Young Chemists in Academia” which will be held on Sunday afternoon before the Diversity Inclusion and Respect (DI&R) Reception and “Mental Health for Graduate Students” (co-sponsored with PRES, PROF and the ACS Graduate & Postdoctoral Scholars Office (GPSO)) on Monday morning. As the committee continues to build momentum in accomplishing our strategic goals, YCC is looking forward to partnering with other committees and divisions to increase the impact of its initiatives.

Please visit the YCC website (<http://acsycc.org>) to stay up-to-date on our latest activities. We also regularly update our social media platforms ([Facebook](#), [LinkedIn](#), [Instagram](#), and [Twitter](#)) with relevant programming information. The YCC is always happy to promote awareness of your activities through our social media channels. We look forward to seeing you in Philadelphia!

Kristin Nuzzio, 2020 Chair  
Matthew Grandbois, 2019 Chair

B. Women Chemists  
(joint with Board)

The Women Chemists Committee continues to implement the recommendations resulting from the strategic planning process completed in 2017. 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.

On Thursday March 12<sup>th</sup> the Women Chemists Committee (WCC) was pleased to partner with ACS Webinars to launch, "The Art of Tooting your own Horn and Getting Paid for It". This webinar, moderated by WCC Project Manager Amy Balija, featured panelists Janet Bryant, Ingrid Montes, and Iris Wagstaff. This webinar focused on learning how to navigate the job market at any stage of a person's career and the goal of the event was to provide ACS members who are female with strategies for advancing in their careers, while also generating a space for the discussion of under-representations of female in chemistry-related fields. This webinar strategy emerged from the WCC strategic 5-year plan and our desire to reach a larger audience than only national meeting attendees. This webinar, one week prior to the national meeting, will be echoed at the spring national meeting during a related half-day symposium on Monday, March 23<sup>rd</sup>.

Other WCC national meeting events to be held in Philadelphia include the following:

- Also tied to the theme above, the Women in the Chemical Enterprise Breakfast will take place on Monday March 23<sup>rd</sup>. The theme is "My voice, my power". During the breakfast we will feature 12 women who will each read a sentence or short paragraph in which they state something positive about themselves. The material, which must be their own, may be taken from a job application, a self-nomination for an award, a grant proposal, or another formal career-related written document. After this presentation the breakfast will feature facilitated table networking discussions with representatives from different employment sectors.
- The Women Chemists of Color (WCoC) will host a networking event immediately following the breakfast on Monday March 23<sup>rd</sup>.
- Winners of the 9<sup>th</sup> annual WCC Rising Star award, which recognizes early to mid-career women with exceptional accomplishments in their fields, will speak at a half-day symposium, Monday afternoon, March 23<sup>rd</sup>. Following their symposium, they will be honored at the WCC "Just Cocktails" networking reception and Open Meeting.
- Dr. Katherine Franz, recipient of the 2020 ACS Award for Encouraging Women into Careers in the Chemical Sciences, will be honored during a WCC-sponsored half-day symposium, Tuesday morning, March 24<sup>th</sup>.
- Recipients of the 2020 Spring WCC/Eli Lilly Travel Award will share their accomplishments at a poster session prior to the WCC luncheon.
- The 2020 Francis P. Garvan-John M. Olin Medal award winner Dr. Caroline Chick Jarrold, will be honored at the WCC Luncheon on Tuesday, March 24<sup>th</sup>.
- The WCC program for Spring 2020 will wrap up with our "WCC Just Cocktails" social event on the evening of Tuesday, March 24<sup>th</sup>.

Kimberly A. Woznick, Chair



C. Senior Chemists  
(joint with Board)

Let's continue the progress for ACS Senior Chemists! The Senior Chemists Committee's (SCC) outreach in 2019 with the "Senior Chemists on the Move and Paying Forward" theme resulted in more engagement and accomplishments for the Society's senior members.

*The Newsletter for Senior Chemists* remained consistent with an overall open rate of 45% in 2019 after the release of the November issue – Senior Chemists' Journeys, Science History Tours, and People with Unique Abilities – with a more streamlined format. The first issue for 2020 was released in March prior to the ACS 2020 Spring National Meeting in Philadelphia, PA.

SCC members attended and/or assisted with planning events for the Great Lakes, Central, Northeast, Northwest, Southeast, and Southwest/Rocky Mountain 2019 Regional Meetings, which included membership recognition programs as well as networking with undergraduates led by ACS Board members. This was an increase from previous years. Reporting was received from 95% of the 16 Local Sections funded by the SCC Mini-Grant program last year. Highlights include a glass recycling event held by Mid-Hudson, a tour at the Cedar River Municipal Watershed by Puget Sound, and a seminar on Chemical Laboratory Safety and Waste Management with a panel of senior chemist speakers organized by the ACS India International Chapter (Prayagraj, India). The submission process for the 2020 Mini-Grant program opened on February 17 with a deadline set for May 31.

At the end of 2019, the SCC Communications Subcommittee conducted an online survey on senior chemists engagement that received a 24% response rate. The survey investigated preferences for the most common communication platforms: Email, Facebook, LinkedIn, Instagram, Twitter, text apps, the ACS Network, *Chemical & Engineering News (C&EN)*, and *The Newsletter for Senior Chemists*. For information about senior chemists' engagement in the Society, 64% of respondents turn first to *C&EN* and thereafter, the SCC newsletter. Overall, the survey found that 92% of ACS senior members use email as their main source for information and communicating; Facebook and LinkedIn had regular usage rates at 30%.

SCC has a number of events planned for senior chemists to partake in during the spring national meeting. SCC has once again partnered with the Younger Chemists Committee for the "Networking with Chemistry Professionals" event on March 22 for undergraduates, graduates, and younger professionals. Max Zahniser, Architecture Faculty at Jefferson University and a LEED Fellow for the National Council of Architectural Registration Boards will be the keynote speaker for the SCC Breakfast on March 24. Zahniser and graduate students from Jefferson University were the first place DOE Design Competition Solar Decathlon winners. His talk "Urban Regenerative Development" will include innovative strategies and designs for creating new built-environment and living systems for one of our nation's most underserved and exploited, yet inspiring and historically rich neighborhoods.

Collaborative efforts are in gear as SCC cosponsors two symposiums with a goal of providing resources for retiring senior chemists and those looking to remain on the workforce. A "Chemical Angel Network: Chemists Investing in Chemical Companies" symposium sponsored by the ACS Division of Business Development and Management will be held on March 22, and a "Planning for Retirement" symposium sponsored by the ACS Division on Professional Relations will be held on March 24.

Arlene A. Garrison, Chair

D. 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 will be participating in a Strategic Planning Retreat in February 2020 and looks forward to sharing our updated vision, mission and our new goals and strategies in Philadelphia.
- In effort to help ACS members and groups create regular, strategic and organized communications, a communication plan template has been developed by CPRC for anyone interested.
- CPRC is co-cosponsoring the “Scientific Visualization and Creative Presentations” symposium organized by our Programing Subcommittee. The symposium is in the CINF program and will be held Tuesday, March 24, from 8 am to noon in the Bridge Over Arch Street, Theater 7 in the Philadelphia Convention Center.
- CPRC Public Relations Makeover Initiative has completed several makeovers, is working on a few more, and is actively soliciting business from local sections, divisions and committees. The makeovers are lead by the LSAC/DAC Public Relations Subcommittee. We look forward to helping more ACS units in the future. 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)).

Amber Charlebois, Chair

E. Publications  
(joint with Board)

The journal monitoring reports for *Journal of the American Chemical Society*, *Journal of Chemical & Engineering Data*, *Journal of Medicinal Chemistry*, and *ACS Synthetic Biology* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations to the ACS Board were made. The next publications to be monitored in Spring 2020 will be *ACS Combinatorial Science*, *ACS Sensors*, *ACS Catalysis*, *ACS Energy Letters*, *Journal of Organic Chemistry*, and *ACS Pharmacology & Translational Science*.

The committee held an in-person Strategic Planning Retreat at its August 2018 meeting, during which the committee divided into five groups, with each group leading the discussion on one of the key areas of responsibility. Three sub-groups reported at the August 2019 meeting with actionable items and the other sub-groups are expected to report at the committee's Spring 2020 meeting.

An overview of the Publications Division was presented. It included a report on operational highlights, new innovation initiatives, and recent open access developments.

Staff reported some of the collaborations that the *C&EN* team has established recently, including ACS technical divisions for the provision of content, with technical divisions and local sections to host events, and with other global societies including the Jordanian Chemical Society to produce Arabic translations of C&EN content and the Brazilian Chemical Society, the Brazilian Academy of Science and others to host the Brazilian Women in Chemistry award.

The Committee on Committees (ConC) liaison presented the demographic survey results which was conducted from February 25, 2019 to April 15, 2019. 71% of the Publications Committee membership participated in the survey.

The committee expressed their sincere appreciation to Dr. Brian Crawford for his dedicated and outstanding service as President of the ACS Publications Division on the occasion of his recently announced forthcoming retirement.

Julia Laskin, Chair

F. Community Activities  
(joint with Board)

The 2020 theme for Chemists Celebrate Earth Week (CCEW) is “Protecting our Planet through Chemistry.” ACS is celebrating the 50<sup>th</sup> anniversary of Earth Day during this year’s celebration in collaboration with the Earth Day Network. All interested volunteers and coordinators are encouraged to participate in the Great Global Cleanup and utilize ACS CCEW resources, which became available on February 1, 2020. CCEW will be celebrated across the globe from April 19 – 25. All ACS groups are encouraged to celebrate CCEW through local outreach events, participating in the anniversary Earth Day events, and working with Local Section coordinators. All Local Sections are encouraged to appoint a coordinator. The coordinator will receive free printed copies of the children’s publication *Celebrating Chemistry*, in English and Spanish, along with other free and discounted educational merchandise for use at outreach events. All volunteers can access digital copies of *Celebrating Chemistry*, CCEW graphics, and other educational resources at [www.acs.org/ccew](http://www.acs.org/ccew).

In Philadelphia, CCA programming will begin with the biannual Presidential Outreach Event on Saturday, March 21. All local families and families of meeting participants are invited to attend. For event details, please visit [www.acs.org/kidszone](http://www.acs.org/kidszone).

A workshop highlighting successful keys to communicating through hands-on activities, which is a part of the larger Outreach Training Program, will be hosted on Monday, March 23 from 10:30 a.m. – 11:45 a.m. in the Philadelphia Marriott Downtown Hotel, room Franklin 9/10. All outreach volunteers, particularly undergraduates, are invited to attend.

CCA thanks the 165 coordinators and 89% of Local Sections who celebrated National Chemistry Week (NCW) 2019. The theme, which also celebrated the International Year of the Periodic Table, was “Marvelous Metals.” NCW 2020 will focus on adhesives, with the theme “Sticking with Chemistry.” NCW 2020 will take place from October 18 - 24. Resources for NCW will launch on August 1, 2020.

CCA welcomes participation of any ACS member on NCW and CCEW Theme Teams for 2020 and beyond. Please contact [outreach@acs.org](mailto:outreach@acs.org) for more information.

Holly L. Davis, Chair

G. Chemical Safety  
(joint with Board)

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

Over the last several years, as the level of ACS strategic activities around chemical safety issues has risen, and with the addition of full time ACS staff to support safety programs in the ACS, it has become clear that there was a need to coordinate the activities of ACS staff, committees, local sections and technical divisions interested in this topic. It is important that specific projects do not compete with each other for resources and attention, but that they can partner to maximize ACS's impact in the area of chemical safety.

With this in mind, CCS led the organization of the 2018, 2019 and 2020 ACS Safety Summits. These summits have focused on 1) defining chemical safety as a Society strategy, 2) chemical safety education and 3) chemical safety communication. The clear consensus of these discussions is that the ACS is well positioned to be a strategic leader in these areas.

In addition to this engagement with internal ACS and external stakeholders, the members of committee participated in the year-long strategic planning discussions, followed by a CCS strategic planning retreat, which took place in Washington, DC ACS Headquarters on September 28-29, 2019. These discussions took place in the context of the work of the Safety Summits. The group identified new goals for the committee for the next 5 years, which include:

**Goal 1:** Fostering collaborative partnerships to advance safe chemistry.

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

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

**Goal 4:** Optimizing CCS structure and operations to achieve strategic goals and ongoing responsibilities.

**ACS Policy on Safety in the Chemistry Enterprise**

The ACS Board of Directors approved the revised policy statement on *Safety in the Chemistry Enterprise* at <https://www.acs.org/content/acs/en/policy/publicpolicies/science-policy/safety-in-the-chemistry-enterprise.html>. This policy supports the use of risk-based criteria in creating safety regulations and policies, and continued funding of research to inform policy makers and stakeholders in the creation of those regulations and policies. It also supports government implementation of regulatory policies that will foster innovation within a safer chemical environment.

Ralph Stuart, Chair