

MINUTES
COUNCIL
AMERICAN CHEMICAL SOCIETY
August 23, 2017
Washington, District of Columbia

The Council of the American Chemical Society met in Washington, District of Columbia, on August 23, 2017, beginning at 8:00 a.m. Allison A. Campbell, 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, Allison A. Campbell, William F. Carroll, Jr., Charles P. Casey, Pat N. Confalone, Thomas M. Connelly, Jr., Peter K. Dorhout, Ned D. Heindel, Rigoberto Hernandez, Catherine T. Hunt, Nancy B. Jackson, Paul W. Jagodzinski, Thomas H. Lane, Lee H. Latimer, Flint H. Lewis, Ingrid Montes, E. Ann Nalley, Donna J. Nelson, Attila E. Pavlath, Laura E. Pence, Dorothy J. Phillips, Barbara A. Sawrey, Diane Grob Schmidt, Kathleen M. Schulz, Bassam Z. Shakhshiri, Edel Wasserman, Marinda Li Wu.

Bylaw: Lawrence Barton, Frank D. Blum, Robert L. Lichter.

Divisions: *Agricultural & Food Chemistry*, Michael Appell, John W. Finley, Michael J. Morello, Agnes M. Rimando. *Agrochemicals*, Rodney M. Bennett, Jeanette M. Van Emon. *Analytical Chemistry*, Kimberly Agnew-Heard, Karl S. Booksh, Roland F. Hirsch, Anis Rahman*. *Biochemical Technology*, Arindam Bose, Cynthia H. Collins, Sadettin Ozturk, Sharon P. Shoemaker. *Biological Chemistry*, Keri L. Colabroy*, Wendy L. Kelly, Robert E. Minto*, Andrew S. Murkin, Coran Watanabe. *Business Development & Management*, Janet L. Bryant. *Carbohydrate Chemistry*, Anthony S. Serianni. *Catalysis Science & Technology*, Anne M. Gaffney, Charles H.F. Peden. *Cellulose and Renewable Materials*, Kevin J. Edgar, Nicole Labbe*. *Chemical Education*, Iona Black, Daniel B. King, Sally B. Mitchell, Ellen J. Yeziarski. *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*, Jennifer A. Hollingsworth, Maria M. Santore, Paul J. Shiller*. *Computers in Chemistry*, Emilio X. Esposito, Terry R. Stouch*, Ralph A. Wheeler. *Energy & Fuels*, Joe D. Allison, Semih Eser, Elise B. Fox, Lisa Houston. *Environmental Chemistry*, V. Dean Adams, Alan W. Elzerman, Jurgen H. Exner, Martha J.M. Wells. *Fluorine Chemistry*, David A. Dixon. *Geochemistry*, James D. Kubicki. *History of Chemistry*, Roger A. Egolf, Mary Virginia Orna. *Industrial & Engineering Chemistry*, Spiro D. Alexandratos, Mary K. Engelman, David T. Hobbs*, Melanie J. Moser. *Inorganic Chemistry*, Debbie C. Crans, Thomas R. Cundari, Karen Goldberg, Silvia Ronco. *Medicinal Chemistry*, Jane V. Aldrich, William J. Greenlee, Carrie Haskell-Luevano*, Amy S. Ripka. *Nuclear Chemistry & Technology*, Silvia S. Jurisson. *Organic Chemistry*, Jeffrey Aubé*, David A. Conlon, Huw M.L. Davies, Cynthia A. Maryanoff. *Physical Chemistry*, Judy E. Kim*, Christine K. Payne, Ellen B. Stechel, Theresa L. Windus. *Polymer Chemistry*, Joseph M. Mabry, Mary Ann Meador, Robert B. Moore, Gregory N. Tew. *Polymeric Materials: Science & Engineering*, 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. *Ames*, Maria Bohorquez*. *Auburn*, Christian R. Goldsmith. *Baton Rouge*, Bryan K. Franklin. *Binghamton*, Wayne E. Jones, Jr. *Brazosport*, Carolyn Ribes. *California*, G. Bryan Balazs, Michael T.H. Cheng*, Mark D. Frishberg, Sheila Kanodia, Donald S. MacLean*, Eileen M. Nottoli, Elaine S. Yamaguchi. *California Los*

*Alternate Councilor

**Temporary Substitute Councilor

Padres, David F. Marten*. *Carolina-Piedmont*, Matthew K. Chan, Marilyn J. Sikes. *Central Arizona*, Douglas J. Sawyer. *Central Arkansas*, Martin D. Perry, Jr. *Central Massachusetts*, Meledath Govindan. *Central New Mexico*, Bernadette A. Hernandez-Sanchez, Donivan R. Porterfield. *Central New York*, Alyssa C. Thomas. *Central North Carolina*, Robert A. Yokley. *Central Ohio Valley*, Gary D. Anderson. *Central Pennsylvania*, Lori S. Van Der Sluys. *Central Texas*, Debra A. Feakes, Barry J. Streusand. *Central Utah*, Jennifer B. Nielson. *Central Wisconsin*, C. Marvin Lang. *Chattanooga*, Verrill M. Norwood, III. *Chemical Society of Washington*, Allison Aldridge, Alan J. Anderson, Joseph M. Antonucci, Christopher W. Avery, Regina J. Cody, Kim M. Morehouse, Judith F. Rubinson, Matthew A. Windsor*, Stefanie S. Wittenberg. *Chicago*, Charles E. Cannon, Kenneth P. Fivizzani, Russell W. Johnson, Michael G. Koehler, Margaret S. Levenberg, Milt Levenberg, Inessa Miller, Barbara E. Moriarty, Margaret E. Schott*, Susan M. Shih. *Cincinnati*, Kathleen Gibboney, Susan A. Hershberger, Richard J. Mullins. *Cleveland*, Dwight W. Chasar. *Coastal Georgia*, Will E. Lynch. *Colorado*, Lawrence J. Berliner, Sandra J. Bonetti, Connie Gabel, Helen B. Gerhard*, Susan M. Schelble. *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*, John Gavenonis, Tiffany N. Hoerter, Martha G. Hollomon, Margaret J. Schooler. *Detroit*, Mark A. Benvenuto, James M. Landis, Jr., Anthony F. Sky. *East Central Illinois*, Amy Nicely. *East Tennessee*, Alan A. Hazari, John Z. Larese. *East Texas*, Philip Verhalen. *Eastern New York*, Mary K. Carroll, Warren D. Hull, Jr. *Eastern North Carolina*, Satinder Ahuja. *Erie*, Betty Jo Chitester. *Florida*, Béla S. Buslig*, Leslie J. Murray. *Georgia*, Heather L. Abbott-Lyon, Lissa Dulany, David S. Gottfried, Donald G. Hicks*, Terence E. Say. *Greater Houston*, Carolyn A. Burnley, Amber S. Hinkle, Valerie Lafitte, Thomas B. Malloy*, Mamie W. Moy, Laurent Pirolli, David M. Singleton. *Green Mountain*, Willem R. Leenstra. *Hampton Roads*, Lisa S. Webb. *Hawaii*, T. Blake Vance, Jr. *Huron Valley*, Ellene T. Contis. *Idaho*, Raymond P. Anderson*. *Illinois Heartland*, Gregory Ferrence. *Illinois-Iowa*, Richard G. Rogers. *Indiana*, Beth Lorschbach, Brian M. Mathes, Robert A. Pribush, Robert E. Sammelson. *Indiana-Kentucky Border*, Todsapon Thananattanachon*. *Inland Northwest*, Jeffrey A. Rahn. *Iowa*, Jai A. Shanata*. *Kalamazoo*, Lydia E.M. Hines. *Kanawha Valley*, Madan M. Bhasin. *Kansas City*, Eckhard Hellmuth, Sarah J. Leibowitz. *Kentucky Lake*, Robbie Montgomery. *LaCrosse-Winona*, Claude L. Mertenzenich. *Lake Superior*, Donald K. Harriss. *Lehigh Valley*, Jeanne R. Berk, Lorena Tribe. *Lexington*, Jennifer L. Muzyka. *Louisiana*, Alvin F. Bopp. *Louisville*, James F. Tatera. *Maine*, Mitchell R.M. Bruce. *Mark Twain*, Dawood Afzal. *Maryland*, Merle I. Eiss, Dana Ferraris, Jan E. Kolakowski, Paul J. Smith, Stephanie Watson. *Memphis*, Laura M. Wolf. *Michigan State University*, Amy M. Pollock. *Middle Georgia*, Alan Davis**. *Mid-Hudson*, Mary E. Dery. *Midland*, Tina M. Leaym, Dale J. LeCaptain. *Milwaukee*, Kevin W. Glaeske, Scott A. Schlipp. *Minnesota*, Marilyn Duerst, Ramesh C. Kumar*, Sarah M. Mullins, James Wollack, Wayne C. Wolsey. *Mississippi*, Leslie Robinson. *Mobile*, W. Matthew Reichert. *Mojave Desert*, Peter Zarras. *Mo-Kan-Ok, The Tri-State*, Khamis S. Siam. *Montana*, Janice E. Alexander. *Nashville*, Judith M. Iriarte-Gross, Preston J. MacDougall*. *Nebraska*, James M. Takacs. *New Haven*, Gerald J. Putterman, Kap-Sun Yeung. *New York*, Ronald P. D'Amelia, Barbara R. Hillery, Alison G. Hyslop, Neil D. Jespersen, Hiroko I. Karan, Pamela K. Kerrigan, JaimeLee I. Rizzo, Frank Romano, Justyna Widera-Kalinowska. *North Alabama*, Russell Bazemore**. *North Carolina*, James L. Chao, Alvin L. Crumbliss, James M. Harrington, Melissa A. Pasquinelli, Laura S. Sremaniak. *North Jersey*, Amy M. Balija, Jeannette E. Brown, Alan B. Cooper, Jacqueline A. Erickson, Stan S. Hall, Elizabeth M. Howson, Diane Krone, Yingchun Lu*, Les W. McQuire, Michael M. Miller, Monica R. Sekharan. *Northeast Tennessee*, John Engelman, II. *Northeast Wisconsin*, Martin D. Rudd. *Northeastern*, Catherine E. Costello, Thomas R. Gilbert, Morton Z. Hoffman, Leland L. Johnson, Jr.*, Katherine L. Lee, Doris I. Lewis, Patricia A. Mabrouk, Lisa A. Marcaurette, Kenneth C. Mattes, Sofia A. Santos*, Andrew Scholte*, Mary Jane Shultz, Michael Singer, Anna W. Sromek*, Ruth E. Tanner. *Northeastern Ohio*, Sarah S. Preston. *Northern New York*, Vinay C. Likhite. *Northern Oklahoma*, Maziar Sardashti. *Northern West Virginia*, Edwin L. Kugler*. *Northwest Central Ohio*, Amelia Anderson-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. **Ozark**, Eric Bosch. **Panhandle Plains**, Nick O. Flynn. **Penn-Ohio Border**, Doris L. Zimmerman. **Pensacola**, Allan M. Ford. **Permian Basin**, Kathryn Louie. **Philadelphia**, Anthony W. Addison, Georgia A. Arbuckle-Keil, Melissa B. Cichowicz, Deborah H. Cook, Judith N. Currano, Ella L. Davis, Anne S. DeMasi, Rick Ewing, Margaret A. Matthews, Christine McInnis, John Tierney. **Pittsburgh**, Richard S. Danchik, Robert Mathers, Vincent M. Mautino, Kimberly A. Woznack. **Portland**, Warren T. Ford*. **Princeton**, Allen N. Jones, Louise M. Lawter. **Puerto Rico**, Néstor M. Carballeira, Jorge L. Colón*. **Puget Sound**, Gary D. Christian, Craig B. Fryhle, Gregory L. Milligan, Despina Strong, Mark Wicholas. **Purdue**, George Bodner**. **Rhode Island**, Peter J. Bonk. **Richland**, Anna G. Cavinato. **Rio Grande Valley**, Michael D. Johnson. **Rochester**, D. Richard Cobb, James H. Reynolds*. **Rock River**, Dennis N. Kevill. **Sabine-Neches**, John A. Whittle. **Sacramento**, John R. Berg, Dena J. Chubbic. **St. Louis**, Lisa M. Balbes, Eric A. Bruton, Donna G. Friedman, Theodore C. Gast. **Salt Lake**, Peter J. Stang. **San Antonio**, Larry C. Grona. **San Diego**, Thomas R. Beattie, Hui Cai, Desiree Grubisha, John G. Palmer, J. Kenneth Poggenburg, Jr., David M. Wallace. **San Gorgonio**, Eileen M. DiMauro, J. Ernest Simpson. **San Joaquin Valley**, Elisabeth Schoenau**. **Santa Clara Valley**, Linda S. Brunauer, Bonnie A. Charpentier, Matthew J. Greaney, George J. Lechner, Heddie Nichols*, Sally B. Peters, Ean Warren. **Savannah River**, Christopher J. Bannochie. **Sierra Nevada**, Laina M. Geary. **Sioux Valley**, Jetty L. Duffy-Matzner. **South Carolina**, William H. Breazeale, Jr. **South Central Missouri**, Nathan D. Leigh**. **South Florida**, Milagros Delgado, George H. Fisher, Zaida C. Morales-Martinez. **South Jersey**, Jennifer L. McCulley. **South Plains**, David M. Klein*. **South Texas**, Jingbo Louise Liu*. **Southeastern Pennsylvania**, Gregory P. Foy. **Southern Arizona**, Charles H. Weidner*. **Southern California**, Brian B. Brady, Robert de Groot, Virgil J. Lee, Sofia Papatheodorou, Eleanor D. Siebert, Barbara P. Sitzman. **Southern Illinois**, Lichang Wang. **Southern Indiana**, Kenneth G. Caulton. **Southern Nevada**, Kazumasa Lindley. **Southwest Georgia**, Linda de la Garza*. **Susquehanna Valley**, Dee Ann Casteel. **Tampa Bay**, Marie Bourgeois, Sidney S. White, Jr.*. **Texas A&M**, David E. Bergbreiter. **Toledo**, Andrew D. Jorgensen. **Trenton**, Benny C. Chan, Abby R. O'Connor*. **Upper Ohio Valley**, Kevin Pate. **Upper Peninsula**, Glenn M. Larkin**. **Virginia**, Kristine S. Smetana, Ann M. Sullivan, Linette M. Watkins. **Virginia Blue Ridge**, W. Gary Hollis, Jr. **Wakarusa Valley**, Joseph A. Heppert. **Washington-Idaho Border**, Richard V. Williams. **Western Carolinas**, Lucy P. Eubanks, George L. Heard. **Western Connecticut**, John R. Miecznikowski*, Lawrence K. Steffen. **Western Maryland**, Peggy S. Biser. **Western Michigan**, Mark A. Thomson. **Wichita**, D. Paul Rillema. **Wichita Falls-Duncan**, Keith R. Vitense. **Wilson Dam**, Amanda H. Coffman**. **Wisconsin**, Allen D. Clauss. **Wyoming**, Jane V. Thomas.

Non-Councilors: Elizabeth P. Beckham, Brian A. Bernstein, Mark C. Cesa, Wendy D. Cornell, Kate Fryer, LaTrease L. Garrison, Alicia E. Harris, Madeleine Jacobs, John C. Katz, Andy Kreczko, Natalie A. LaFranzo, Jennifer L. Maclachlan, Nina McClelland, Michael B. McGinnis, Steven Meyers, Anthony M. Noce, Barbara F. Polansky, Max B. Saffell, Lu Ann Shadman, David Smorodin, Simanco R. Staley, Frank E. Walworth, Marleen G. Weidner.

The preceding list of attendees at the Council meeting includes the following: 28 Ex- Officio Councilors; 3 Bylaw Councilors; 86 Division Councilors (76 elected, 10 alternate); 327 Local Section Councilors (288 elected, 32 alternate, 7 temporary); and 23 Non-Councilors (staff and others). Approximately 55 observers were in attendance.

Resolutions

The Council ADOPTED the following resolution presented by the Council Policy Committee (CPC) Vice-Chair Mary K. Carroll:

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

- Dr. Ray A. Dickie, consultant, retired, Ford Motor Company, and Councilor for the Division of Polymeric Materials: Science & Engineering from 2003 to 2011, Councilor for the Detroit Local Section from 1995 to 2000, and Bylaw Councilor for 2001.
- Dr. John L. Plude, emeritus professor, University of Wisconsin, Oshkosh, and Councilor for the Northeast Wisconsin Local Section from 1992 to 2008.
- Dr. Mary Eileen Thompson, CSJ, retired, College of St. Catherine and Councilor for the Minnesota Local Section from 1988 to 2002 and 1979 to 1984.
- Dr. David L. Venezky, retired, career chemist, U.S. Naval Research Laboratory, and Councilor for the Chemical Society of Washington Local Section from 1973 to 1987 and Bylaw Councilor for 1988.

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

Approval of Minutes

2. VOTED to approve, as distributed, the minutes of the meeting of April 5, 2017.

Election of Members to Elected Committees

Les W. McQuire, 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:

3. 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 2018: Karl S. Booksh, James C. Carver, Dwight W. Chasar, Ella L. Davis, Mark D. Frishberg, Lydia E. M. Hines, Will E. Lynch, Zaida C. Morales-Martinez, Barbara P. Sitzman, and Linette M. Watkins. By electronic ballot, the Council ELECTED Karl S. Booksh, Mark D. Frishberg, Zaida C. Morales Martinez, and Linette M. Watkins for three-year terms (2018-2020), and Ella L. Davis for a one-year term (2018) on the Council Policy Committee.

4. 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 2018: Anthony W. Addison, Joe D. Allison, Michael Appell, Mark A. Benvenuto, Arindam Bose, Neil D. Jespersen, Mamie W. Moy, Eleanor D. Siebert, Julianne M. D. Smist, and Keith R. Vitense. By electronic ballot, the Council ELECTED Michael Appell, Neil D. Jespersen, Mamie W. Moy, Eleanor D. Siebert, and Julianne M.D. Smist for three-year terms (2018-2020) on the Committee on Nominations and Elections.

5. 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 2018: Mitchell R. M. Bruce, Jetty Duffy-Matzner, Rick Ewing, Barbara R. Hillery, Martha G. Hollomon, Judith M. Iriarte-Gross, Russell W. Johnson, Diane Krone, Robert A. Pribush, and Susan M. Schelble. By electronic ballot, the Council ELECTED Mitchell R. M. Bruce, Jetty Duffy-Matzner, Martha G. Hollomon, Diane Krone, and Robert A. Pribush for three-year terms (2018-2020) on the Committee on Committees.

Reports of Society Officers

President Allison A. Campbell provided an update on her activities last April, including those at this national meeting. In conjunction with the ACS Office of External Activities & Communication, she hosted an invitation-only “Speaking with Congress Advocacy Workshop” to train ACS members to effectively engage with their members of Congress. This coincided with the launch of the newly developed Advocacy Toolkit as a resource and training platform for members to connect with policymakers. This meeting also featured several Presidential symposia, including “Science Communications: The Art of Developing a Clear Message,” cosponsored with the Royal Society of Chemistry; “Building a Safety Culture Across the Chemistry Enterprise,” cosponsored by the Division of Chemical Health & Safety; and “Understanding the Chemistry of our Planet,” that showcased renowned researchers discussing the transforming power of chemistry that is ubiquitous to life on Earth.

Dr. Campbell reported that the Public Access and Diversity Stakeholder Working Group, formed to develop the Society’s response to various ‘bathroom bill’ legislations and proposed a “Freedom to Meet without Limitations” statement that was approved by the ACS Board of Director. Letters of guidance were sent to the Chairs and Councilors of local sections in Texas. Council will be alerted to any action ACS takes in response pending legislation.

Dr. Campbell concluded by thanking Council for making her Presidential year a success.

President-Elect Peter K. Dorhout began his report by reminding Council of two events that occurred in 1876. The first was an assembly of chemists who crafted the Charter that guides his perspectives on where we lead our society, in particular “the advancement of chemistry and all its branches,” and “the promotion of research in chemical sciences and aiding the development of our country’s industries.” The second was the publication of *The Adventures of Tom Sawyer* by writer and science advocate, Mark Twain, followed ten years later by *A Connecticut Yankee in King Arthur’s Court*, which combined Twain’s passions for adventure and science. Dr. Dorhout observed that just as the event of a solar eclipse in *A Connecticut Yankee in King Arthur’s Court* presented an opportunity for knowledge of science to influence leadership in the court of King Arthur, the solar eclipse of August 21, 2017 is an opportunity for ACS to influence our nation’s leadership to embrace the transforming power of chemistry. To that end, Dr. Dorhout said he would continue to build on ACS’s momentum with the bicameral, bipartisan Congressional Chemistry Caucus.

Dr. Dorhout also observed that Twain’s stories and characters can provide inspiration for ACS to underscore the importance of adventure, problem solving, and the need to understand and embrace the spectral rainbow of diverse people, each with a unique perspective on solving problems and addressing global challenges. He mentioned the ACS Scholars program, which will welcome its 300th Ph.D. alumna or alumnus in 2018; the importance of embracing safety in all we do; and Councilors’ interactions with the public, students, and colleagues as the change that they hope to see in others. He concluded by thanking Councilors for all they do for ACS and the profession.

Immediate Past President Donna J. Nelson stated that since the last ACS national meeting, she has been engaged in a number of activities of interest to Council. She highlighted her programming for this meeting: “Chemists of Courage,” presentations by or about scientists who demonstrated courage directly related to carrying out their science; and “NASA Journey to Mars,” lectures by pioneers in the space industry, followed by a reception at the Smithsonian National Air and Space Museum.

Dr. Nelson also reported on two publications. The first, *Diversity in the Chemistry Community*, is partially based on three diversity-related symposia held during the spring 2016 ACS National Meeting in San Diego. It is in press and will soon be available electronically. The second, *Report of Recommendations of the ACS President’s Task Force on Employment in the Chemical Sciences*, has been submitted to ACS Publications

and is under peer review. An electronic copy of the executive summary of the report was emailed to Councilors prior to the meeting. She shared the six major recommendations listed in the executive summary, and thanked the members of the task force, Co-Chair Attila Pavlath, and Councilors for their input.

Board Chair Pat N. Confalone reported that at this national meeting, the Board of Directors considered a number of key strategic issues and responded with several actions. The Board received and discussed reports from its committees on the Petroleum Research Fund, Strategic Planning, Corporation Associates, Executive Compensation, Professional and Member Relations, the Society Committee on Budget and Finance, the ACS Governing Board for Publishing, and the Joint Board-Council Task Force on Governance Design.

The Board voted to approve the Society's nominees for the 2018 Perkin Medal and the 2018 National Science Board Public Service Award; the appointment and reappointment of several editors-in-chief for ACS journals; the advance member registration fee for national meetings held in 2018; and to authorize two new program funding requests: an ACS Online Course on Laboratory Safety and a New Faculty Workshop Series.

Dr. Confalone shared that the Board also held a discussion with officers and members of the Board of Directors of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) on what governance participation might look like at the organizations' annual meetings, possible meetings between ACS and NOBCChE at the ACS Leadership Institute, dual membership between both organizations, strategic alliances of Student Chapters at the local section and regional levels, and ACS Board participation at NOBCChE Annual Conferences.

Executive Director & CEO Thomas M. Connelly, Jr., reported on a number of important developments across the Society. He stated that 2017 is shaping up to be another highly successful year for the Society. While only one measure of success, ACS's financial performance at midyear is running ahead of the phased budget annual plan.

Dr. Connelly focused on two challenges facing the Society: cyber security and membership growth. He stated that cyber threats evolve continually; ACS must take steps to secure prized intellectual property and protect confidential information concerning members, customers, and staff. The former Soviet Bloc is the source of many of the attacks, but not all. He cited two such threats to intellectual property from Sci-Hub and ResearchGate. While their tactics differ, both are violating ACS copyrights, thereby weakening the Society. The hiring of a Chief Information Security Officer and a lawsuit filed against Sci-Hub are just two examples of preventative action in recent months.

The second, and largest challenge is membership growth. He proposed several ways that governance and staff can work collaboratively to reverse a multiyear declining trend: updating domestic and global marketing strategies, renewing the appeal to members in industry, and implementing flexibility in dues structures in response to structural changes in our membership.

Dr. Connelly concluded his report by stating that "Membership is everyone's responsibility" and appealed to Councilors to work together to grow membership.

Reports of Elected Committees

Council Policy Committee (CPC)

Mary K. Carroll, committee vice-chair, reported that the committee is preparing for new Councilor orientation activities in 2018 and is considering hosting a Strategy Café event for all ACS Councilors at the

spring national meeting in New Orleans; the Future Council Representation Working Group continues to work in tandem with the Joint Board-CPC Task Force on Governance Design; and CPC voted to endorse the Petition on International Chemical Sciences Chapters. CPC also approved two amendments to the Committee Travel Expense Reimbursement Policy for non-Councilors. The new policies permit non-Councilors to carry over unused funds from the spring to the fall meeting under certain conditions, and to get reimbursement for an additional night's stay in excess of the limit set for that national meeting; this would apply for all non-Councilors with multiple committee appointments that necessitate additional days of travel.

Dr. Carroll gave an update on the Joint Board-CPC Task Force on Governance Design. She thanked Councilors for the thoughtful and constructive feedback received during and after the spring 2017 national meeting in San Francisco. Recent discussions have focused on clearly defining national governance roles that will enable ACS to efficiently achieve the Objects and Strategic Goals of the Society. The task force anticipates presenting an overall national governance model that articulates a high-level framework and a roadmap by which various governance bodies (including CPC, the Board, and individual committees) are each empowered to undertake the detailed design of specific components of the governance structure. The task force has been coordinating with committees already engaged in parallel activities, including CPC, ConC, and C&B. The task force will present its report to the Board and CPC in December, and discuss the framework, roadmap and timeline with Councilors in appropriate venues during the spring 2018 National Meeting in New Orleans.

Committee on Committees (ConC)

Wayne E. Jones, Jr., committee chair, reported that ConC discussed the two petitions up for consideration by Council and voted to endorse the Petition on the Composition of Society Committees and to oppose the Petition for Election of Committee Chairs.

As part of its updated strategic plan and mission statement, ConC sent a questionnaire to all Council-related and Board Committee Chairs and staff liaisons to obtain a better understanding of the goals and strategies of the committees, as well as the skills and expertise that are needed by potential committee members. ConC is currently reviewing the information. Assessment of this data is also tied to the work of the Joint Board-CPC Task Force on Governance Design.

The committee is developing recommendations for 2018 committee chairs, members, associates, and consultant appointments for consideration by the President-Elect and the Chair of the Board of Directors. ConC will also conduct its annual New Chairs Training Session in Dallas, Texas, January 19-21, 2018, as part of the ACS Leadership Institute.

On behalf of Council, ConC recognized 27 Councilors who will have served the statutory limit or otherwise completed their service on ACS governance committees at the end of 2017; 13 committee chairs who will have served the statutory limit on the committee they chair; and 33 Councilors observing 15, 20, 25, 30, or 40 years of service as members of the Council.

Nominations and Elections (N&E)

Les W. McQuire, committee chair, reported the results of the morning's elections to the Council Elected Committees (see items 3-5).

N&E received positive feedback from those who attended the Director-at-Large Town Hall Meeting on Sunday.

Ballots for the 2017 fall national election will be distributed on September 29, with a voting deadline four weeks later, on October 27. All members eligible to vote and with an email address on file will receive an electronic ballot 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. Email reminders will also be sent during the voting period to those who have not voted as of the reminder dates.

The committee developed slates of potential nominees for President-Elect for 2019, the Directors of Districts I and V for 2019-2021, and a slate of potential candidates for Directors-at-Large for 2019-2021.

N&E received reports from its subcommittees and the Vote 2020 Task Force. The task force is part of a multi-year, multi-phase effort to take a holistic look at the entire ACS national election process and to seek input and study new methods by which to run ACS elections by the year 2020.

Reports of Society Committees and the Committee on Science

Budget and Finance (B&F)

Joseph Heppert, committee chair, reported that the Society's 2017 Probable 1 Projection anticipates a Net Contribution from Operations of \$25.3 million. This is \$2.1 million favorable to the Approved Budget and \$1.6 million higher than 2016. Total revenues are projected to be \$553.0 million, which is \$2.4 million unfavorable to the budget, but 5.0% higher than the prior year. Total expenses are projected at \$527.6 million, which is \$4.5 million favorable to the budget, and 4.9% higher than 2016.

The committee considered several program funding requests for 2018, and on its recommendations, the Board subsequently approved funding for the ACS Online Course on Laboratory Safety and the New Faculty Workshop Series for inclusion in the 2018 Proposed Budget and the 2019-2020 Forecast.

Education (SOCED)

Diane Krone, committee chair, reported that the committee discussed the two petitions for consideration by Council and voted to take no position on the Petition for Election of Committee Chairs and to endorse the Petition on the Composition of Society Committees.

SOCED held a special discussion on immigration and work visas and provided feedback to assist the task force charged to determine the need for ACS to develop a policy statement on this topic. The committee also reviewed and approved an updated ACS policy statement on "Fostering Scientific Progress: U.S. Visas for Academic Study and Conference Attendance".

The committee passed two resolutions related to General Chemistry Performance Expectations: one supports seeking funding from NSF for a conference on performance expectations. The second recommends that, if asked, ACS should support other groups and higher education institutions to submit a proposal to the NSF Improving Undergraduate STEM Education program.

SOCED was informed of recent developments related to the American Association of Chemistry Teachers (AACT). Nearly 4,500 individuals, 88 percent of whom are K-12 teachers, are now AACT members.

Dr. Krone concluded her report by inviting Councilors to congratulate the members of the U.S. Chemistry Olympiad team for their extraordinary performance at the 49th International Chemistry Olympiad in Thailand where they were awarded four gold medals, which is a team record.

Science (ComSci)

Mark Cesa, committee chair, reported that ComSci concentrated much of its attention at this meeting on public policy statements and approving policy statements on visas for academic study and conference attendance; scientific integrity in public policy; a competitive business climate; and sustainability and the chemistry enterprise. ComSci will review existing policy statements on energy and hydraulic fracturing in 2018 and will begin work on a new policy statement on the weaponization of chemicals in collaboration with the Board Committee on Corporation Associates and the Public Affairs and Public Relations working group.

At this national meeting, ComSci organized a symposium on “Sustaining Water Resources: Environmental & Economic Impact” and sponsored the “Transformative Research and Excellence in Education (TREE) Award Symposium”.

ComSci received an overview from the Department of Energy’s Office of Science on its recent workshop on “Basic Research Needs for Catalysis Science to Transform Energy Technologies”. The committee also received information and provided feedback on the impact of immigration on the chemistry enterprise, a proposed bylaw change from the Committee on Membership Affairs, and an opportunity to participate in the Patent Examiner Technical Training Program. ComSci is planning to hold a strategic planning retreat in 2018.

Reports of Standing Committees

Membership Affairs (MAC)

Margaret Schooler, committee chair, reported that the committee continues to monitor several on-going market data tests with a focus on recruiting and retaining new and former members. Two dues payment choices - to either automatically renew dues or to make installment payments of dues - are now permanent options for members. At this meeting, MAC approved a new initiative to test multi-year memberships for undergraduates, and also expanded the World Bank model discount test to include International Student Chapters.

At this meeting, members of MAC spent time visiting committees and caucuses to share a proposed Bylaw amendment that would provide MAC added flexibility to create and test new membership dues models without requiring continued multiple Bylaw changes. These models could include academic, corporate, and multi-year membership offerings, as well as provide a platform for dual-dues structures with sister Societies.

MAC has considered the Petition on International Chemical Sciences Chapters, which is up for action at this meeting. The committee supports the petitioner's intent to allow financial support to the International Chemical Sciences Chapters and to remove the restriction of elected representation on Council. The committee supports the revised version of the petition as presented.

6. VOTED not to support the Petition on International Chemical Sciences Chapters, which would amend Bylaw IX, Section 4 to permit financial support and to remove language from the Bylaws that these Chapters are not entitled to representation on Council.

Economic and Professional Affairs (CEPA)

William (Rick) Ewing, committee chair, reported that CEPA conducted a strategic planning retreat in April and approved the resulting plan at this meeting. The committee has new mission and vision statements, strategic goals, and has reorganized accordingly.

ACS has implemented a revised survey methodology following a precipitous decline in response rates to surveys. Rather than a large annual survey tool, a more periodic and nimble modular survey deploys different modules throughout the year with the net results being the same as previously collected but creating quarterly running averages. Under this new data collection process, the results show a small increase in the ACS Chemist unemployment rate over the past year from 2.6% to 2.8%; values that continue to remain at relative parity with the larger U.S. unemployment rate for Bachelor's degrees and above.

The ACS onsite career fair is celebrating its 80th anniversary. At this meeting, CEPA continued the revisions to the fair launched earlier this year to increase member and employer interactions. At this meeting, the fair had very strong employer participation.

CEPA's Working Group on Immigration and Work-Related Visas is gathering data and input from members. Councilors and others were invited to send any comments on this topic to policy@acs.org.

Meetings and Expositions (M&E)

Kevin Edgar, chair, reported that M&E accepted more than 9,375 papers for the Washington meeting. As of August 21, total attendance for the meeting was 12,749. The Exposition had 421 booths with 282 exhibiting companies. As part of M&E's comprehensive sustainability plan, print copies of the program book for Washington were significantly reduced and a limited number were available for sale; 1,499 program books were sold and the mobile application was downloaded 8,376 times.

Dr. Edgar announced that M&E will hold a strategic planning meeting and partner with the Committees on Divisional Activities and on Younger Chemists to discuss overall meeting space and cost concerns; competitive analysis of the Exposition; further enhancements to the functionality of the meeting mobile app; enhancements to the Multi-disciplinary Program Planning Group's (MPPG) mission of driving cross division collaboration; and the poor performance of Thursday technical programming. M&E approved an experiment to eliminate Thursday programming during the spring ACS National Meeting & Exposition in Atlanta, Georgia in 2021.

Divisional Activities (DAC)

Rodney M. Bennett, committee chair, reported that in 2016, DAC received a request to establish a probationary Division of Space Chemistry. Subsequently, DAC met with the organizers of the would-be division, and requested and received input from leadership of established divisions. In a very close vote of DAC members, the committee decided not to endorse the Division of Space Chemistry. However, among divisions that expressed an opinion on the matter, there was clear support for establishing such a division. On behalf of DAC, Mr. Bennett asked Council: "Should the Council establish a probationary Division of Space Chemistry, effective January 1, 2018?"

7. VOTED not to approve the establishment of a probationary Division of Space Chemistry.

DAC has formed a working group to update the formula for allocating dues funds to the divisions. The committee will ask Council to act on a new allocation formula at the 2018 spring meeting in New Orleans.

The committee voted to fund 11 Innovative Project Grants (IPG) totaling nearly \$71,850. DAC will consider another set of IPG proposals next spring. The deadline for that round of submissions is February 1, 2018.

Local Section Activities (LSAC)

Jason Ritchie, committee chair, announced that LSAC will award an additional 15 Innovative Project Grants totaling \$33,000, bringing the total for 2017 to \$72,776. LSAC will offer new grants for Members Engaging through Technology (METT) beginning this fall. Awards of up to \$2,000 each are also available to local sections hosting Leadership Development courses.

LSAC voted to support the Petition on International Chemical Sciences Chapters and to oppose the Petition for Election of Committee Chairs.

The committee approved a petition to amend the Princeton Local Section bylaws to create a topical group affiliation with the Princeton Fall Organic Chemistry Symposium.

LSAC also approved a petition from the South Jersey Local Section Petition to annex the unassigned and adjacent territory of Ocean County, New Jersey.

8. VOTED to approve a petition from the South Jersey Local Section to annex the unassigned and adjacent territory of Ocean County, New Jersey.

Constitution and Bylaws (C&B)

James C. Carver, committee chair, reported that C&B has certified 15 unit bylaws so far in 2017. He then called Council's attention to two petitions for consideration: the Petition on the Composition of Society Committees and the Petition for Election of Committee Chairs. Opponents of these petitions have 30 days from the Council meeting to submit written arguments.

New petitions to amend the Constitution or Bylaws must be received by the Executive Director no later than November 29 to be included in the Council agenda for consideration at the spring 2018 meeting in New Orleans.

Reports of Other and Joint Board-Council Committees

Chemical Abstracts Service (CCAS)

Wendy D. Cornell, chair, reported that CCAS held a strategic planning retreat led by ACS Leadership Development System (LDS)-trained facilitators with representation from CCAS, Chemical Abstracts Service, and additional ACS members with experience in chemical information and ACS governance. Input was invited from attendees and additional stakeholders regarding ways in which CCAS and CAS could further serve members and advance the first goal of the ACS mission: to provide information to support better, smarter, faster, and safer decisions. CCAS encouraged Councilors and members to share their ideas.

Chemical Safety (CCS)

Elizabeth M. Howson, chair, conveyed the committee's gratitude to the Board of Directors on positioning chemical safety within the ACS Strategic Plan and also for dedicating a full-time staff position to safety programs. The committee also applauded ACS Publications on its implementation of a safety reporting requirement for ACS journals, where authors must "address and emphasize any unexpected, new, and/or significant hazards or risks associated with reported work."

The 8th edition of "Safety in Academic Chemical Laboratories," formerly a two-volume set published by CCS, was printed in early 2017. The new edition entitled "Safety in Academic Chemistry Laboratories: Best Practices for the First- and Second- Year University Students," has already sold over 4,000 copies in preparation for the new academic year.

Members of CCS and the Division of Chemical Safety have developed two public policy statements regarding safety. The "Safety in the Chemistry Enterprise" policy is targeted at regulators and policymakers to address the Society's position regarding laws and regulations concerning chemical safety issues. "Safety Guidelines for the Chemistry Professional – Understanding Your Role and Responsibilities" establishes guidelines for the ACS Membership and other interested parties on behalf of the community of safety professionals within ACS.

Chemists with Disabilities (CWD)

John Johnston, chair, reported that CWD has initiated a travel award to bring a student /postdoc to ACS national meetings; promoted the capabilities of persons with disabilities with its famous “Scientists with Disabilities” posters and bookmarks suitable for classroom use; partnered with non-ACS entities to leverage resources; championed the use of closed captioning in many ACS produced videos and CART (Communication Access Real-time Translation) at meetings; and is currently working on integrating technologies to develop a universally accessible remote conferencing capability to permit CWD members with visual, hearing, and motor-skills disabilities to participate in conference calls between meetings.

Community Activities (CCA)

Michael B. McGinnis, chair, reported that an ACS Presidential Outreach Event, “Exploring our World through Chemistry,” was led by committee and Local Section volunteers on Saturday, August 19 at ACS Headquarters.

CCA has completed and released for distribution the 30th anniversary edition of National Chemistry Week’s children’s publication, “Celebrating Chemistry.” Copies were made available to Councilors.

The committee will sponsor a “Look and Learn” video contest to promote Student Chapter involvement in the inaugural “Chemists Celebrate Earth Week” (CCEW) in 2018. The winning videos will be featured as resources for CCEW 2018 coordinators.

CCA discussed the two petitions for consideration by Council during this meeting. A committee poll revealed an overwhelming opposition to the Petition for the Election of Committee Chairs. The committee also voted unanimously to support the Petition on International Chemical Sciences Chapters.

Environmental Improvement (CEI)

Anthony M. Noce, chair, reported that CEI continues to focus its attention on increasing ACS leadership related to sustainability in the chemical enterprise. This year CEI awarded Sustainability Grants to the Red River Valley and Portland Local Sections to support their efforts to deliver programming on sustainability and sustainable chemistry. Sustainability programming sponsored by CEI in partnership with the Division of Environmental Chemistry was offered at both the Northwest and Mid-Atlantic Regional Meetings this year. The Committees on Science, Corporation Associates, and Chemistry and Public Affairs continue to work cooperatively with CEI to provide the best possible policy recommendations to the ACS Board.

CEI remains committed to such partnerships, and encourages other divisions, committees, and units of the Society who are interested in projects focused on sustainability or public policy to work with CEI in these areas.

Ethics (ETHX)

Keith R. Vitense, chair, reported that the committee was informed of the submission for an ACS Symposium Series book based on its San Francisco symposium regarding authorship and intellectual property ethics. Also, a monograph entitled *The Importance of Ethical Conduct in Scientific Research* was approved by the committee. Mechanisms for the appropriate methods to disseminate this document were discussed.

The first “Outstanding Local Section Programming Related to the Promotion of Ethics in Chemistry” will be presented in 2018.

International Activities (IAC)

Ellene T. Contis, chair, reported that at this meeting the committee welcomed dignitaries from sister societies and partners in Australia, Germany, South Korea, and the UK, as well as leadership representatives from the

International Union of Pure and Applied Chemistry (IUPAC), the Federation of Asian Chemical Societies, the European Association for Chemical and Molecular Sciences, and ACS International Chemical Sciences Chapters, and International Student Chapters.

The committee heard reports on its key programs and activities: the ACS International Center; efforts with the U.S. Department of State for early career scientist and engineer training and chemical security and responsible conduct; Global Innovation Initiative programs; the ACS National Science Foundation (NSF) Chemical Sciences and Society Symposia; and the IAC's grants programs.

IAC welcomed the Minister-Counselor and Head of Section Science and Technology for the Embassy of the Federal Republic of Germany who spoke on "Science Diplomacy: Opportunities for Cooperation with Professional/Learned Societies." The committee heard an update on the ACS Asian Pacific International Chapters Conference, November 5-8, 2017 in Jeju, South Korea.

Minority Affairs (CMA)

Madeleine Jacobs, chair, reported that CMA, in conjunction with the Diversity & Inclusion Advisory Board (D&I), has developed a new ACS statement on Diversity and Inclusion, which was approved by the ACS Board Committee on Professional and Member Relations in June.

CMA and D&I discussed the recent tragic events in Charlottesville, Virginia, and urges ACS to take a timely, public stand, based on the diversity and inclusion statement and ACS's core values of diversity and inclusion, to condemn such activities.

CMA heard an analysis of the ACS Scholars Program, 1995-2016, that showed the program has been highly successful in supporting gifted students from under-represented groups to graduate from college in the chemical sciences. At this meeting, ACS recognized donors, mentors, and ACS Scholars, including 3M as a Visionary Partner with \$500,000 in cumulative giving, and the Chemical Marketing and Economics group of the ACS New York Section as a National Partner with \$100,000 cumulative giving.

Project SEED (SEED)

Anna G. Cavinato, chair, announced Project SEED, now in its 49th year, has impacted nearly 10,600 economically disadvantaged high school students across the nation. This summer 415 high school students are completing research experiences that may have a significant impact on their life and future careers. These students are currently placed in over 120 academic, governmental, and industrial laboratories under the supervision of nearly 400 volunteer scientists in 37 states, the District of Columbia and Puerto Rico. This outstanding participation is made possible by contributions from industry, academia, local sections, ACS friends and members, and the Project SEED Endowment

Public Relations and Communications (CPRC)

Jennifer L. Maclachlan, chair, reported that CPRC was a sponsor of a very successful ACS Webinars presentation titled "Improving your social chemistry: Science Communication on Facebook, Twitter and Other Online Platforms." The committee also cosponsored at this meeting an ACS-Royal Society of Chemistry symposium "Science Communications: The Art of Developing a Clear Message." CPRC is seeking to assist local sections and divisions with developing personalized public relations plans or 'makeovers'.

Senior Chemists (SCC)

Thomas R. Beattie, chair, highlighted some of the committee's recent programming activities. The "Newsletter for Senior Chemists" has attained high levels of readership and received very positive feedback, resulting in an increase of senior chemists contributing articles for the newsletter.

At this meeting, the committee co-sponsored and participated in the "Student Speed Networking with Chemistry Professionals," and plans are underway for a symposium at the New Orleans meeting.

SCC members worked with regional meeting organizers in planning senior chemists' events for the Middle Atlantic, Northwest, and Great Lakes Regional Meetings. Reports were provided and planning is being done for the Midwest and Rocky Mountain meetings. The Senior Chemists Group on the ACS Network now has a total of 245 members. Information about upcoming senior chemists' events led by the SCC and local sections are posted to the group.

Younger Chemists (YCC)

Natalie LaFranzo, chair, reported that at this meeting the committee participated in ACS President Allison Campbell's "ACS Chemistry on the Hill Advocacy Workshop." This workshop provided skills for advocating for the tremendous value of science and YCC looks forward to using these to harness ACS's passion for promoting science. This was further embodied by the committee's two programs at this meeting, "Chemistry in an Evolving Political Climate: Research Priorities & Career Pathways in Public Policy" and "The Road Less Traveled: Career Opportunities in the Government Sector."

As part of its "Catalyze the Vote" initiative, YCC will again host an interactive Live Virtual Town Hall on September 28 with the candidates for ACS President-Elect 2018.

YCC is a founding member of the officially-established International Younger Chemists Network (IYCN). The inaugural meeting of IYCN was part of the 2017 World Chemistry Congress in São Paulo, Brazil and included the signing of a Memorandum of Understanding with the International Union of Pure and Applied Chemistry.

New Business

Resolutions

The Council adopted the following resolutions:

9. BE IT RESOLVED That the Council of the American Chemical Society express to the officers and members of the Chemical Society of Washington, host section for the 254th 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 to headquarters staff, for the planning and execution that have ensured the success of the 254th National Meeting.

10. BE IT RESOLVED That the Council of the American Chemical Society expresses to Allison A. Campbell, President of the Society in 2017, its sincere appreciation for her service as its presiding officer, and its gratitude for her 33 years as a member of the Society.

The Council is appreciative of her efforts to encourage members to communicate and advocate for their science to the general public and policymakers, her leadership in showcasing institutions in the United States and abroad that value cultures of safety, and her continued actions to promote sustainability throughout the chemistry enterprise.

The Council urges continued support for her efforts to promote the next generation of younger, diverse researchers; find innovative ways to convey the excitement of discovery that is inherent in science; and ensure we pursue activities that benefit humanity and improve the quality of our lives.

The Council extends to President Campbell and her spouse Julie its best wishes in their future endeavors, and for Dr. Campbell's continuing professional and personal achievements.

There being no further business, the meeting adjourned at 11:35 a.m.

Flint H. Lewis
Secretary