

MINUTES
COUNCIL
AMERICAN CHEMICAL SOCIETY
April 5, 2017
San Francisco, California

The Council of the American Chemical Society met in San Francisco, California, on April 5, 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, Tom J. Barton, Christina C. Bodurow, Ronald Breslow, Allison A. Campbell, William F. Carroll, Jr., Pat N. Confalone, Thomas M. Connelly, Jr., Peter K. Dorhout, Ned D. Heindel, Rigoberto Hernandez, 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, Elsa Reichmanis, Barbara A. Sawrey, Kathleen M. Schulz, Bassam Z. Shakhashiri, 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, Michelle V. Buchanan, Roland F. Hirsch. *Biochemical Technology*, Arindam Bose, Cynthia H. Collins, Sadettin Ozturk, Sharon P. Shoemaker. *Biological Chemistry*, Erin E. Carlson, Wendy L. Kelly, Coran Watanabe. *Business Development & Management*, Janet L. Bryant. *Carbohydrate Chemistry*, Anthony S. Serianni. *Catalysis Science & Technology*, Anne M. Gaffney, Charles Peden. *Cellulose and Renewable Materials*, Kevin J. Edgar, Lucian A. Lucia, Scott H. Rennekar. *Chemical Education*, Iona Black, Sally B. Mitchell, Cinzia M. Muzzi*, Ellen J. Yeziarski. *Chemical Health & Safety*, Joseph M. Pickel*, 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. *Computers in Chemistry*, Christine M. Aikens, Emilio X. Esposito, 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*, Martin A. Abraham, Spiro D. Alexandratos, Mary K. Engelman, Melanie J. Moser. *Inorganic Chemistry*, Debbie C. Crans, Thomas R. Cundari, Karen Goldberg, Silvia Ronco. *Medicinal Chemistry*, Jane V. Aldrich, William J. Greenlee, Amy S. Ripka. *Nuclear Chemistry & Technology*, Silvia S. Jurisson, Graham F. Peaslee. *Organic Chemistry*, David A. Conlon, Huw M.L. Davies, Cynthia A. Maryanoff. *Physical Chemistry*, Christine K. Payne, Ellen B. Stechel, Theresa L. Windus. *Polymer Chemistry*, Joseph M. Mabry, Mary Ann Meador, Toby L. Nelson*, Gregory N. Tew. *Polymeric Materials: Science & Engineering*, Anthony Jay Dias, 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*, Javier Vela-Becerra. *Auburn*, Edward J. Parish*. *Baton Rouge*, Bryan K. Franklin. *Binghamton*, Wayne E. Jones, Jr. *Brazosport*, Carolyn Ribes. *California*, G. Bryan Balazs, Mark D. Frishberg, Sheila Kanodia,

*Alternate Councilor

**Temporary Substitute Councilor

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Alex M. Madonik, Stephanie M. Malone, Eileen M. Nottoli, Paul F. Vartanian, Elaine S. Yamaguchi. **California Los Padres**, Albert C. Censullo. **Carolina-Piedmont**, Matthew K. Chan, Marilyn J. Sikes. **Central Arizona**, Richard C. Bauer, Douglas J. Sawyer. **Central Arkansas**, Martin D. Perry. **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. **Chattanooga**, Verrill M. Norwood, III. **Chemical Society of Washington**, Allison A. Aldridge, Alan J. Anderson, Joseph M. Antonucci, Regina J. Cody, Richard M. Goodman*, Monika I. Konaklieva, Kim M. Morehouse, Judith F. Rubinson, Stefanie S. Wittenberg. **Chicago**, Charles E. Cannon, David S. Crumrine, Kenneth P. Fivizzani, Russell W. Johnson, Michael G. Koehler, Margaret S. Levenberg, Milt Levenberg, Inessa Miller, Barbara E. Moriarty, Susan M. Shih. **Cincinnati**, Kathleen Gibboney, Susan A. Hershberger, Richard J. Mullins. **Cleveland**, Dwight W. Chasar, Michael J. Kenney. **Coastal Georgia**, Will E. Lynch. **Colorado**, Susan MacGregor Batenhorst, Sandra J. Bonetti, Connie Gabel, Elisabeth Mansfield*, Ryan M. Richards, 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. **Cornell**, Leah McEwen**. **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**, Matthew Heerboth*. **Florida**, Carmen V. Gauthier, Leslie J. Murray. **Georgia**, Heather L. Abbott-Lyon, Lissa Dulany, Donald G. Hicks*, Terence E. Say. **Greater Houston**, Carolyn A. Burnley, Lawrence W. Dennis, Valerie Lafitte, Mamie W. Moy, Laurent Pirolli, David M. Singleton. **Green Mountain**, Willem R. Leenstra. **Hampton Roads**, Dmitry V. Liskin**. **Heart O'Texas**, Darrell G. Watson. **Huron Valley**, Ellene T. Contis, Harriet Lindsay. **Idaho**, Joshua J. Pak. **Illinois Heartland**, Gregory Ferrence. **Illinois-Iowa**, Richard G. Rogers. **Indiana**, Beth Lorschbach, Brian M. Mathes, Robert A. Pribush, Robert E. Sammelson. **Indiana-Kentucky Border**, Jeffery W. Seyler. **Inland Northwest**, Jeffrey A. Rahn. **Iowa**, Sara E. Mason. **Kalamazoo**, Lydia E.M. Hines. **Kanawha Valley**, Madan M. Bhasin. **Kansas City**, Eckhard Hellmuth, Sarah J. Leibowitz. **Kansas State University**, Viktor Chikan. **Kentucky Lake**, Robbie L. Montgomery. **LaCrosse-Winona**, Claude L. Mertenich. **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. **Michigan State University**, Susanne M. Lewis*. **Middle Georgia**, Robert J. Hargrove. **Mid-Hudson**, Mary E. Dery. **Midland**, Tina M. Leaym, Dale J. LeCaptain. **Milwaukee**, Kevin W. Glaeske, Scott A. Schlipp. **Minnesota**, Marilyn D. Duerst, Rebecca Guza*, Lynn G. Hartshorn, 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, Ruth A. Woodall. **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, Patricia A. Redden*, Frank Romano, Justyna Widera-Kalinowska. **North Alabama**, Carmen Scholz. **North Carolina**, Dorian A. Canelas*, James L. Chao, 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, Les W. McQuire, William H. Suits*. **Northeast Georgia**, Susan D. Richardson. **Northeast Tennessee**, John Engelman, II. **Northeast Wisconsin**, Martin D. Rudd. **Northeastern**, Catherine E. Costello, Michael P. Filosa, Thomas R. Gilbert, Morton Z. Hoffman, Leland L. Johnson, Jr.*, Katherine L. Lee, Doris I. Lewis, Patricia A. Mabrouk, Lisa A. Marcaurette, Jacklyn J. O'Neil, John W. Podobinski*, Mary Jane Shultz, Michael Singer, Ruth E. Tanner. **Northeastern Ohio**,

Sarah S. Preston. *Northern New York*, Fadi Bou-Abdallah**. *Northern Oklahoma*, Maziar Sardashti. *Northern West Virginia*, Edwin L. Kugler*. *Northwest Central Ohio*, Bradley Wile*. *Northwest Louisiana*, Brian A. Salvatore. *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 Arbuckle-Keil, Melissa B. Cichowicz, Judith H. Cohen*, Deborah H. Cook, Judith N. Currano, Ella L. Davis, Anne S. DeMasi, Marge A. Matthews, Christine McInnis, John Tierney. *Pittsburgh*, Richard S. Danchik, Robert T. Mathers, Kimberly A. Woznack. *Portland*, Angela Hoffman, Marcie J. Merritt. *Princeton*, Allen N. Jones, Louise M. Lawter. *Puerto Rico*, Néstor M. Carballeira, Edmy Ferrer-Torres, Angela M. González-Mederos, Orlando Jose Morales*. *Puget Sound*, Gary D. Christian, Craig B. Fryhle, Gregory L. Milligan, Despina Strong, Mark Wicholas. *Purdue*, Suzanne C. Bart Doucette. *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, Todd E. Pagano. *Rock River*, Dennis N. Kevill. *Sabine-Neches*, John A. Whittle. *Sacramento*, John R. Berg, Dena J. Chubbic. *St. Joseph Valley*, Matthew A. Odom*. *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*, Hubert Muchalski**. *Santa Clara Valley*, Linda S. Brunauer, Bonnie A. Charpentier, Charles T. Cox, Matthew J. Greaney, George J. Lechner, Sally B. Peters, Ean Warren. *Savannah River*, Christopher J. Bannochie. *Sierra Nevada*, Laina M. Geary. *Sioux Valley*, Jetty L. Duffy-Matzner. *Snake River*, Don L. Warner. *South Carolina*, William H. Breazeale, Jr., Scott R. Goode. *South Florida*, Milagros Delgado, George H. Fisher, Zaida C. Morales-Martinez. *South Jersey*, Jennifer L. McCulley. *South Plains*, Robert D. Long. *South Texas*, Ludivina Avila. *Southeastern Pennsylvania*, Gregory P. Foy. *Southern Arizona*, Brooke B. Massani. *Southern California*, Brian B. Brady, Robert de Groot, Virgil J. Lee, Sofia Pappatheodorou, 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, Matthew C. Crowe. *University of Arkansas*, Stefan M. Kilyanek. *University of Missouri*, Justin R. Walensky. *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*, Lawrence K. Steffen. *Western Maryland*, Peggy S. Biser. *Western Michigan*, Mark A. Thomson. *Wichita*, D. Paul Rillema. *Wilson Dam*, Amanda H. Coffman**. *Wisconsin*, Allen D. Clauss, Ieva L. Reich. *Wyoming*, Jane V. Thomas.

Non-Councilors: Elizabeth P. Beckham, Mark C. Cesa, Denise L. Creech, Raymond E. Forslund, Kate Fryer, LaTrease L. Garrison, Alicia E. Harris, Madeleine Jacobs, John C. Katz, Mary Kirchhoff, Willie May, Christi Pearson, Barbara F. Polansky, Max B. Saffell, David T. Smorodin, Simanco R. Staley, Frank E. Walworth, Marleen G. Weidner, Thomas J. Wenzel.

The preceding list of attendees at the Council meeting includes the following: 28 Ex- Officio Councilors; 3 Bylaw Councilors; 82 Division Councilors (79 elected, 3 alternate); 334 Local Section Councilors (309 elected, 19 alternate, 6 temporary); and 19 Non-Councilors (staff and others). Approximately 55 observers were in attendance.

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Resolutions

The Council ADOPTED the following resolutions as presented by 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:

- Mr. Henry F. Whalen, Jr., Retired from PQ Corporation and Councilor for the Chemical Marketing and Economics Division from 1978 to 1993, Ex Officio Councilor from 1995 to 2000, Chair of the Board of Directors from 1999 to 2000, and Councilor for the Philadelphia Section from 2002 to 2010.
- Mr. Thomas A. McCarrick, Retired Professor of Chemistry, Cornell University, and Councilor for the Cornell Section from 2008 to 2016.
- Professor Rollie J. Myers, Jr., Chemistry Professor at UC Berkeley, and Councilor for the California Section from 1996 to 1998.
- Dr. Earl Peters, Jr., Retired Executive Director of the Department of Chemistry and Chemical Biology, Cornell University, and Councilor for the Cornell Section from 1981 to 1995.
- Dr. William "Sandy" Durrell, Retired Director of Research at Allied Signal Corporation, and Councilor for the Business Development & Management Division from 2003 to 2008.

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 August 24, 2016.

Report of Interim Action, Council Policy Committee

3. VOTED to receive the report of an interim action from the Council Policy Committee (CPC).

Nominations and Elections

Les W. McQuire, chair, Committee on Nominations and Elections (N&E), in accordance with the provisions of Bylaw III, Sec. 3, b, (1), (b), presented the following nominees for selection as candidates for President-Elect 2018: Bonnie A. Charpentier, Mark D. Frishberg, Anne M. Gaffney, and Willie E. May.

4. After each nominee spoke to Council, the Council selected by electronic ballot Bonnie A. Charpentier and Willie E. May as candidates for President-Elect 2018.

Dr. McQuire introduced the candidates for the Board of Directors, chosen by voting Councilors in District III and District VI for the election to be conducted this fall for the term 2018-2020: District III, Alan B. Cooper and Teri Quinn Gray; and District VI, Rita R. Boggs and Paul W. Jagodzinski.

Dr. McQuire then announced the following candidates for Director-at-Large on the Board of Directors: Kenneth P. Fivizzani, Wayne E. Jones, Bonnie A. Lawlor, and Barbara A. Sawrey. The two successful candidates will fill 2018-2020 terms.

Reports of Society Officers

President Allison A. Campbell thanked the organizers and speakers of the three presidential symposia at the San Francisco national meeting and then provided an update on her presidential symposia, initiatives, and activities for the fall national meeting in Washington, D.C.

She has been working with the Division of Chemical Health & Safety to develop a symposium entitled “Building a Safety Culture across the Chemistry Enterprise.” It brings together researchers, teachers, and administrators to highlight and share their best practices for enhancing safety in their institutions. Another symposium, “Understanding the Chemistry of Our Planet,” will highlight the transforming chemistry that is ubiquitous to our planet.

With the Royal Society of Chemistry President, she will be co-organizing a symposium, “Science Communications: The Art of Developing a Clear Message.” This aligns with her presidential initiative on Science Literacy to provide members with the tools and techniques to talk about the positive impacts of their work to the general public.

As part of her Science Advocacy initiative, she is working with members and ACS committees and staff to build a suite of tools and training platforms to help ACS local sections more effectively advocate. At the fall national meeting, she will pilot a “Speaking with Congress” workshop to teach ACS members to effectively engage with their elected officials.

Lastly, as part of her initiative, Chemistry as a Global Enterprise, Dr. Campbell plans to convene a group of representatives from international chemical societies to identify common principles and practices that we can all share with our members. ACS has taken a lead role in this by facilitating a Global Chemists’ Code of Ethics that focuses on practices that transcend borders but are universal to chemistry.

President-Elect Peter K. Dorhout stated that he is excited by the prospect of joining Council as its next President-Elect and is ready to serve the members of this Society in a new leadership role. He hopes to address the challenges for job growth for recent graduates and mid-career chemists and looks forward to discussing careers and student preparation, with a special focus on safety training.

In his first 95 days, he’s had a chance to facilitate a session in the Leadership Institute, connect with Younger Chemists Committee members and encourage the next generation of ACS leaders, and visit the Northeastern Local Section where he joined two of his passions--ACS and Boy Scouts--at a STEM Journey outreach event.

He pledged to help ensure that ACS must be inclusive in its selection of recipients for national awards, and to spend his time in the presidential succession campaigning to grow the endowment to support the ACS Scholars program.

After the San Francisco meeting Dr. Dorhout plans to embark on a virtual listening tour and a series of web chats with which he hopes to stay connected to members.

Immediate Past-President Donna J. Nelson thanked Councilors for their time and effort to help her better understand the concerns and needs of Councilors and the Society, which enabled her to select items to address through her task force and programming.

She reported that her activities as President will result in the publication of two ACS Series Books in areas of interest to Council as well as other ACS members. 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. The second, “Report of Recommendations of the ACS President’s Task Force on Employment in the Chemical Sciences,” is in final stages of assembly. A chapter on the expected impact of President Donald Trump’s policies will be added.

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The “Hollyweird Chemistry” symposium organized for this meeting addressed the concerns of ACS members about the public perception of science and scientists. It was well attended, drawing up to 450 attendees.

Dr. Nelson concluded her report by highlighting programming planned for the 2017 fall meeting in Washington, D.C., including “Chemists of Courage,” which will again address the public perception of scientists. It will include a presentation about the history of Chemical Abstracts Service (CAS) and how it rose to have such an important global presence.

Board Chair Pat N. Confalone briefed the Council on the issues discussed and actions taken at the ACS Board of Directors Meeting, conducted on Friday and Saturday, March 31 and April 1. The Board received and discussed reports from multiple committees, and approved several recommendations from its Committee on Executive Compensation.

Building on the Executive Leadership Team Retreat, the Board will hold a discussion in conjunction with the June 2017 Board Meeting on the topic of ACS in 2030. The Board regularly holds these discussions to consider strategic issues in depth or for ongoing development.

On the recommendation of the Joint Board-Council Committee on Publications, the Board voted to approve the reappointments of Editors-in-Chief for several ACS journals.

The Board held a discussion and provided input to its Strategic Planning Committee on context setting and change drivers to be addressed during the strategic planning process. Cards describing the ACS Strategic Plan were made available to Councilors at the conclusion of the meeting.

The Board is developing a public statement based on the Society’s core value of diversity and inclusion in response to the repeal of the North Carolina law known as House Bill 2 (“bathroom bill”) and the pending Texas legislation, and it is assembling a representative group of stakeholders to advise it on actions relating to the location of Society meetings. The Board appreciates the input of members who have communicated with governance on this issue.

Executive Director & CEO Thomas M. Connelly, Jr., reported that 2016 was a very successful one for the Society. He reminded Councilors of the changes in ACS staff leadership announced late last year: Denise Creech is retiring after nearly 27 years of service to the Society, more than half as leader of Membership and Scientific Advancement; Kate Fryer has joined ACS from the Society for Neuroscience to lead the Membership Division; Mary Kirchhoff now leads the newly formed Scientific Advancement unit, split from the old M&SA team; and LaTrease Garrison has been promoted to lead our Education efforts.

Dr. Connelly stated that the ACS Board of Directors has adopted both safety and ethics as core values, and safety permeates all of our activities, including Education, Publications, CAS, and the programing at ACS events.

CAS continued to strengthen its pipeline of new products with the launching of MethodsNow and ChemZent. The new SciFinder product, SciFindern, was unveiled in 2016, with commercial sales expected in the second quarter of this year.

New journals last year included *ACS Sensors*, *ACS Energy Letters*, and *ACS Omega*. All three are performing ahead or in line with expectations. ACS Publications also expanded its international program, and it is expected that the global reach of ACS Publications will continue to increase in 2017. Several global publishers of chemical science have expressed interest in participating in ChemRxiv, announced last year, and it should begin operation this year.

Global staffing has more than doubled in the past two years. Global membership has now grown to 17.5% of the total membership. 2016 was also successful in financial terms. Boosted by record years at CAS and ACS Publications, our net from operations equaled the record year of 2010, registering the 13th consecutive year of positive operating results.

Reports of Elected Committees

Council Policy Committee (CPC)

Mary K. Carroll, committee vice-chair, reported that CPC remains quite active between meetings through its subcommittees and task forces. The work of the Joint Board-CPC Task Force on Governance Design was introduced at almost three dozen governance meetings in San Francisco. There will be another presentation and opportunity to provide input during the Council special discussion at this meeting.

The Future Council Representation Working Group includes representatives from the committees on Local Section Activities, International Activities, and Divisional Activities as well as CPC members of the subcommittee and anticipates continuing in tandem with the Task Force on Governance Design.

CPC approved amendments to its policy on the distribution of supplemental material at Council meetings, which take effect at this meeting. To promote good practices for sustainable meetings, paper handouts at Council are not allowed. Committee chairs are urged instead to include URLs and links to the materials in oral reports and graphics. A listing of such references will be published in the Councilor Talking Points. Promotional items will no longer be placed on chairs but will be available on a designated resource table where Councilors can obtain materials.

CPC also approved an amendment to the Committee Travel Expense Reimbursement Policy for Non-Councilors. The new policy permits non-Councilor chairs of Council-related committees to be reimbursed at a rate of up to twice the amount set for a non-Councilor, so that the chair can attend the Council meeting to deliver the committee's oral report.

5. VOTED, on the recommendation of the Council Policy Committee, to approve the Procedures for Removal of a Councilor or Alternate Councilor, contingent upon approval of the Petition for the Removal of Officers and Councilors.

6. VOTED not to approve the Petition for the Removal of Officers and Councilors (Bylaw III, Sec. 1, i; Bylaw VII, Sec. 1, c; Bylaw VIII, Sec. 4, d).

Committee on Committees (ConC)

Wayne Jones, committee chair, reported that the Committee on Committees (ConC) held its annual New Chairs Training Conference in January, as part of the ACS Leadership Development Institute. At this meeting, ConC began developing its recommendations for 2018 Committee Chair appointments and reappointments for consideration by the President-Elect and the Chair of the Board of Directors.

ConC also held its first strategic planning retreat and created its vision, mission statement, and strategic goals for 2017-2020.

ConC conducted a demographic survey of its 29 Council-related committees to broaden ACS member awareness and provide a snapshot of committee demographics. Survey participation was 76% overall across the 29 Council-related committees, and the aggregated data will be reviewed to guide future inclusion efforts. ConC voted to conduct the survey every three years.

Councilors were reminded to complete their online preference forms for 2018 during the period from March 27 to June 9, 2017, at www.yellowbook.acs.org.

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7. VOTED, on the recommendation of the Committee on Committees, that the Committee on Project SEED be continued and that the Committees on Chemists with Disabilities, on Public Relations and Communications, and on Women Chemists be continued contingent on approval of the Board of Directors.

Nominations and Elections (N&E)

Les W. McQuire, committee chair, reported the results of the morning's elections for President-Elect 2017 (see item 4, above). All candidates, including the two elected by Council and any other petition candidates certified by the July 15 deadline, will be placed on the ballot this fall.

The committee developed slates of potential candidates for the CPC and ConC for 2018-2020 terms. The names of the candidates will appear in the Washington, D.C., fall Council agenda.

N&E approved an important change in the preferred method of balloting in the Society's national elections. Effective with the 2017 fall national elections, balloting for national elections will be conducted primarily online, with voters provided the option to receive a paper ballot upon request.

Councilors were invited to submit names of qualified individuals for President-Elect and/or Directors for future consideration by email to the committee at nomelect@acs.org.

Reports of Society Committees and the Committee on Science

Budget and Finance (B&F)

Joseph A. Heppert, committee chair, reported that for 2016, ACS generated a net from operations of \$23.8 million, which was \$7.2 million higher than 2015. Total revenues were \$526.8 million. Expenses ended the year at \$503.0 million, which was \$7.8 million or 1.6% higher than the prior year. In addition, the Society's financial position strengthened in 2016, with unrestricted net assets, or reserves, increasing from \$163.3 million on December 31, 2015, to \$206.5 million at year-end 2016. This was attributable to a continued emphasis on expense management across the Society.

Dr. Heppert presented information on the 2018 fully escalated dues calculation and a comparison of ACS dues amounts with those of other scientific societies; ACS falls in the middle of the list in terms of cost and likely will remain there in 2018. The committee voted to recommend to Council that member dues for 2018 be set at the fully escalated rate of \$171.

8. VOTED, on the recommendation of the Committee on Budget and Finance, and with the concurrence of the Council Policy Committee, to set member dues for 2018 at the fully escalated rate of \$171.

Education (SOCED)

Diane Krone, committee chair, reported that SOCED held a special discussion on mentoring in STEM to understand what motivates and challenges those providing mentoring; considered functions and mechanisms of mentoring; and identified ways ACS can encourage the use and assessment of research-based mentoring practices by those providing and receiving mentoring.

SOCED received an update from the ACS government affairs staff on federal science education policy and approved extending the current position statements on the importance of hands-on laboratory activities and the teaching of evolution.

The committee was informed of recent developments related to the American Association of Chemistry Teachers (AACT). More than 4,200 individuals, 88% of whom are K-12 teachers, are now AACT members.

SOCED discussed and unanimously passed a resolution that recommends that a policy statement be developed to ensure that ACS events occur only in nondiscriminatory locations.

Science (ComSci)

Mark C. Cesa, committee chair, reported that ComSci remains focused on three areas: increasing understanding of emerging frontiers in science, developing public policies to advance science in society, and nominating eminent chemical scientists and engineers for prestigious external awards. At this meeting, ComSci organized a forum on “Chemical Innovation Partnerships: Industry-University Success Stories,” which explored principles and approaches for successful partnerships and included an informative panel discussion on best practices. At the fall 2017 national meeting in Washington, ComSci will offer a symposium on “Sustaining Water Resources: Environmental and Economic Impact.”

ComSci will be collaborating with other committees to update expiring policy statements on innovation, chemistry, and jobs; on scientific integrity; and on sustainability. The committee engaged in a productive discussion of ComSci’s strategic plan in light of changes in the external environment and the organizational realignment within ACS.

Special Discussion Item

The Council engaged in a special discussion, “ACS Yesterday and Today: Paving the Way to Tomorrow,” to gather input for the Joint Board-CPC Task Force on Governance Design. Dr. Mary K. Carroll and Dr. Paul W. Jagodzinski, co-chairs of the task force, gave a brief presentation on the formation and current activities of the task force. Three questions were offered to guide the discussion: What should the Society and its governance do differently to achieve its objects? If you could change one thing about ACS governance, what would it be? What should the task force leave “as is”? A poll was conducted at the conclusion of the discussion to measure the level of agreement with the statement: “The current governance structure, processes, and procedures are already optimal to achieving the objects of ACS in the 21st century,” and for Councilors to indicate their willingness to provide additional input and feedback to the task force at a later date. Polls results were to be reported in the Councilor Talking Points issued within 24 hours of the meeting.

Forty Councilors approached the floor microphones to share observations, comments, and suggestions to assist the task force in identifying opportunities and issues for governance improvement.

Drs. Carroll and Jagodzinski concluded the discussion by thanking the Council and said a summary of the discussion would be sent to the task force.

Reports of Standing Committees

Economic and Professional Affairs (CEPA)

Tiffany Hoerter reported for committee chair Rick Ewing that response rates to its annual surveys of new graduates and ACS members have been in decline; the response rates to these and other ACS surveys are now so low that CEPA can no longer be confident in their accuracy. Additionally, many of those responding are not necessarily reflective of ACS membership or the chemistry enterprise. To modernize data collection a modular survey has been created that deploys different modules throughout the year and will provide a wealth of data on member, chemist, and new graduate professional outcomes. The net results are the same as previously collected offering quarterly running averages.

The ACS onsite career fair is celebrating its 80th anniversary, and changes have been implemented to ensure the continued sustainability and relevance of the program.

CEPA moved to create a cross-committee working group to investigate the creation of an ACS policy statement on work-related visas and immigration, with the goal of bringing a recommendation to the ACS Board of Directors. Any comments at this time can be sent to policy@acs.org.

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Meetings and Expositions (M&E)

Michael J. Morello reported for committee chair Kevin J. Edgar. He reported that as of April 3, the total attendance for this meeting was 18,709, a record attendance for a national meeting held in San Francisco. M&E reviewed the National Meeting Study Group on Programming's Future of National Meetings Report and identified the following goals: M&E will work with the Committee on Divisional Activities to further evaluate the following: monitor the impact of U.S. immigration policy on technical programming participation; consider the elimination of Thursday technical programming; review overall meeting space and cost concerns; conduct a competitive analysis of the Exposition; improve the functionality of the meeting mobile app; and evaluate the Multi-disciplinary Program Planning Group's (MPPG) mission of driving cross-division collaboration.

M&E has prepared a request that the Board of Directors and the President of ACS send a letter to officials in the State Government of Texas indicating ACS's intent to relocate the 2021 spring national meeting, currently scheduled for San Antonio, if SB 6 (the "bathroom bill") is adopted, because SB 6 is in opposition to the Society's commitment to diversity and inclusion.

Divisional Activities (DAC)

Rodney M. Bennett, committee chair, reported that DAC has prepared a formula for allocating dues funds to the divisions as required by the Bylaws.

DAC has received proposals seeking the establishment of two new probationary divisions, the Division of Space Chemistry and the Division of Materials Chemistry. If the committee can resolve several outstanding issues regarding the proposals, it may bring one or both to Council for action at the upcoming Washington, D.C. meeting.

The committee is eager to continue to increase the visibility of ACS technical divisions on acs.org and voted to ask staff to investigate additional ways to make divisions more prominent on the website. The committee also asked staff to investigate the implications of offering new ACS members the opportunity to join up to three divisions on a complimentary basis for the first year. Currently, new ACS members can receive one such complimentary division membership.

9. VOTED, on the recommendation of the Committee on Divisional Activities, to approve a formula for allocating dues funds to divisions, effective with allocations for 2017 division performance.

Local Section Activities (LSAC)

Jason E. Ritchie, committee chair, recognized the following sections for their anniversaries in 2017: 50th, Sierra Nevada; 75th, Kalamazoo and Mid-Hudson; 100th, Central Texas, Delaware, Greater Houston, Michigan State University, and Toledo; and 125th, the Cincinnati local section.

Local Section annual reports for 2016 have been completed by 156 sections.

The committee approved the funding of new Innovative Projects Grants (IPG) for sections. Beginning this year the maximum amount for IPGs has increased from \$3,000 to \$3,500.

LSAC received and approved a petition from the Santa Clara Valley Local Section to change its name to the Silicon Valley Local Section.

10. VOTED, on the recommendation of the Committee on Local Section Activities, to approve a petition from the Santa Clara Valley Local Section in California to change the name of the section to the Silicon Valley Local Section.

Membership Affairs (MAC)

Margaret J. Schooler, committee chair, reported that MAC continues to focus on efforts to recruit and retain members. The Society ended 2016 with 156,129 members, which is 0.5% fewer than in 2015. More than 23,700 new members were attracted in 2016. The year ended with 27,388 international members, exceeding the target by 5%. The year-end retention rate was 83.5%. Retention of graduate students increased by 2% to 76.2%.

11. VOTED, on the recommendation of the Committee on Membership Affairs, to extend the provision of \$15 commissions to International Chemical Sciences Chapters that recruit new members.

12. VOTED, on the recommendation of the Committee on Membership Affairs, to approve the Petition on the Rights of Affiliates (Bylaw II, Sec. 1, a, 2, a, 3, b, (3) and (4)).

Constitution and Bylaws (C&B)

James C. Carver, committee chair, reported that last year C&B certified 19 unit bylaws, and four additional unit bylaws have been certified since the beginning of this year. Since the 2016 fall meeting in Philadelphia, C&B has reviewed bylaws for 11 local sections and one division.

Councilors were reminded that certified bylaws and status reports are posted for referral on ACS's website at www.acs.org/bulletin5.

New petitions to amend the Constitution or Bylaws must be received by the Executive Director no later than May 3 to be included in the Council agenda for consideration at the fall 2017 meeting in Washington. Petitioners are encouraged to send any draft petition to C&B at least a month before the deadline for initial input.

13. VOTED, on the recommendation of the Committee on Constitution and Bylaws, to approve the Revision of Charter Bylaws for the International Chemical Sciences Chapters.

Reports of Other and Joint Board-Council CommitteesWomen Chemists (WCC)

Laura Sremaniak, committee chair, reported that the committee began celebrating its 90th anniversary with a symposium featuring past committee chairs. The presentations highlighted stubbornly persistent issues, such as bias, harassment, and the underrepresentation of women in certain sectors of the workforce and in national technical awards.

WCC began the process of strategic planning, gathering initial feedback. After 90 years, strategies are still needed for attracting, developing, promoting, retaining, and advocating for women chemists. Topics for consideration include engaging younger women, providing leadership development, interacting with local section women chemists, and developing chemical safety resources. The committee plans to assess its advocacy work in awards and for non-tenure track faculty. Prior to the strategic planning retreat, a written survey will be distributed to WCC stakeholders, and interested individuals may also contribute ideas to wcc@acs.org.

The committee will be considering the outcomes of the American Geophysical Union's recent workshop on sexual harassment in the sciences, as well as potential next steps. The workshop outcomes and resources are available at <https://harassment.agu.org/>.

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Professional Training (CPT)

Thomas J. Wenzel, committee chair, reported that the committee evaluated 28 periodic reports from currently approved programs and held conferences with seven departments beginning the process of applying for ACS approval. CPT also evaluated a site visit report from a program seeking approval, four reports from approved programs on probation, and one appeal of an action to withdraw approval. CPT voted to withdraw approval of one program. There are currently 688 colleges and universities offering ACS-approved bachelor's degree programs in chemistry.

The committee published a supplement that provides guidance on how departments might satisfy the requirement for coverage of two of the following systems: synthetic polymers, biological macromolecules, supramolecular aggregates, and meso- or nanoscale materials, and also discussed mechanisms to deliver certificates to graduates who have completed the curriculum requirements described in the ACS Guidelines.

A survey to solicit information on the use of online courses and virtual laboratory experiences in undergraduate chemistry programs will be launched following this meeting with a report on the results to be published later this year. The committee also approved a short survey on undergraduate research funding to be included in the CPT 2016-17 annual report that is completed by all ACS-approved chemistry programs.

CPT also met with Visiting Associates, the volunteers who make site visits to programs that are seeking initial approval by ACS, and with representatives from 41 Ph.D.-granting institutions.

Nomenclature, Terminology, and Symbols (NTS)

Michael D. Mosher, committee chair, reported that NTS had discussed the names of four newly discovered elements and provided comment to the International Union of Pure and Applied Chemistry (IUPAC) prior to its formal approval of those names.

NTS continues to liaise with the U.S. Adopted Names program and the U.S. National Adhering Organization to IUPAC, two external organizations heavily involved in the development and implementation of new nomenclature, terminologies, and symbols that affect chemists. NTS interaction allows the ACS to stay abreast of changes that affect chemists around the globe.

NTS members continued to provide educational outreach efforts through publication of numerous articles on IUPAC standards, summaries of nomenclature rules, and informative essays on definitions. Planning is under way to extend these efforts to high school teachers and students in the form of level-appropriate pamphlets, handouts, and activity sheets.

Chemistry and Public Affairs (CCPA)

Raymond E. Forslund, committee chair, shared a new development for chemistry in Congress. Following on the creation of the Chemistry Caucus in the U.S. House of Representatives, there is now a Senate Chemistry Caucus. ACS partnered with the American Chemistry Council and the National Association of Chemical Distributors to accomplish this. The Chemistry Caucus remains bipartisan and now is bicameral.

CCPA is developing programming for the Washington meeting, including cosponsoring a symposium with the Committees on Younger Chemists, Science, and International Activities, and the Division of Chemical Education, titled "Chemistry in an Evolving Political Climate -- Research Priorities and Career Pathways in Public Policy." The symposium will feature speakers who will discuss how recent changes on Capitol Hill impact the chemical enterprise, highlight how chemists can help shape government policy, and share information for chemists who are interested in science policy careers.

The committee will also cosponsor a Small Chemical Business Division symposium, “Working in the Public Sector: Running for Office,” which will share tools and personal stories about running for office at the local, state, and federal level.

New Business

Resolution

The Council adopted the following resolution:

14. BE IT RESOLVED That the Council of the American Chemical Society express to the officers and members of the California and Santa Clara Valley Local Sections, host Sections for the 253rd 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 253rd National Meeting.

Following the resolution, two comments were received from Councilors, one about an image used in the video shown during the special discussion, and an expression of gratitude for the work of retiring ACS staff member Nancy Blount.

There being no further business, the meeting adjourned at 11:40 a.m.

Flint H. Lewis
Secretary