

MINUTES
COUNCIL
AMERICAN CHEMICAL SOCIETY
August 19, 2015
Boston, Massachusetts

The Council of the American Chemical Society met in Boston, Massachusetts, on August 19, 2015, beginning at 8:00 a.m. Diane Grob Schmidt, President of the Society and of the Council, presided. The following Councilors, Alternate Councilors, and accredited representatives were present:

Ex-Officio: John E. Adams, Thomas J. Barton, George M. Bodner, William F. Carroll, Jr., Pat N. Confalone, Thomas M. Connelly, Jr., Thomas R. Gilbert, Ned D. Heindel, Rigoberto Hernandez, Catherine T. Hunt, Nancy B. Jackson, Paul W. Jagodzinski, Valerie J. Kuck, Thomas H. Lane, Flint H. Lewis, Ingrid Montes, E. Ann Nalley, Donna J. Nelson, Attila E. Pavlath, Dorothy J. Phillips, Elsa Reichmanis, Barbara A. Sawrey, Diane Grob Schmidt, Kathleen M. Schulz, Bassam Z. Shakhshiri, Edel Wasserman, Marinda Li Wu.

Bylaw: Judith N. Currano, Carol B. Libby.

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-Hear, Michelle V. Buchanan, M. Bonner Denton, Roland F. Hirsch. *Biochemical Technology*, Cynthia H. Collins*, Sadettin Ozturk, Sharon P. Shoemaker. *Biological Chemistry*, Christine S. Chow, Wendy L. Kelly. *Business Development & Management*, Janet L. Bryant, Michael Hurrey. *Carbohydrate Chemistry*, Anthony S. Serianni. *Catalysis Science and Technology*, Charles Peden. *Cellulose and Renewable Materials*, Kevin J. Edgar. *Chemical Education*, Renée S. Cole, Resa M. Kelly, Cheryl B. Frech*, Sally B. Mitchell*. *Chemical Health & Safety*, Robert H. Hill, Jr., Frankie K. Wood-Black. *Chemical Information*, Bonnie Lawlor, Andrea B. Twiss-Brooks. *Chemical Toxicology*, Frederick A. Beland, Penny Beuning. *Chemistry & The Law*, James C. Carver, Alan M. Ehrlich. *Colloid & Surface Chemistry*, Eric M. Furst, John N. Russell, Jr.*, Maria M. Santore, Robert D. Tilton. *Computers in Chemistry*, Luke E.K. Achenie*, Emilio X. Esposito, Ralph A. Wheeler, Henry L. Woodcock, III*. *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*, R. Lee Penn. *History of Chemistry*, Roger A. Egolf, Mary Virginia Orna. *Industrial & Engineering Chemistry*, Spiro D. Alexandratos, Mary Engelman, Leigh R. Martin*, Melanie J. Moser. *Inorganic Chemistry*, Thomas R. Cundari, Paula Diaconescu*, Marina A. Petrukhina, Silvia Ronco. *Medicinal Chemistry*, Jane V. Aldrich, William J. Greenlee, Craig W. Lindsley, Amy S. Ripka. *Nuclear Chemistry & Technology*, Silvia S. Jurisson, Graham F. Peaslee. *Organic Chemistry*, Huw M.L. Davies, Scott R. Gilbertson, Katherine N. Maloney*. *Physical Chemistry*, Teresa L. Head-Gordon, Ellen B. Stechel, Angela K. Wilson, Theresa L. Windus. *Polymer Chemistry*, Frank D. Blum, Mary Ann Meador, Robert B. Moore, John Pochan. *Polymeric Materials: Science & Engineering*, Anthony J. Dias, Benny D. Freeman, Julie L.P. Jessop, Dean C. Webster. *Professional Relations*, Lynne P. Greenblatt, R. Daniel Libby. *Rubber*, John M. Long. *Small Chemical Businesses*, Sharon V. Vercellotti.

Local Sections: *Akron*, James E. Dudley, Daryl L. Stein. *Alabama*, Tracy P. Hamilton. *Ames*, Malika Jeffries-El. *Auburn*, Christian R. Goldsmith**. *Baton Rouge*, Bryan K. Franklin. *Binghamton*, Wayne E. Jones, Jr. *Brazosport*, Carolyn Ribes. *California*, G. Bryan Balazs, Mark D. Frishberg, Sheila Kanodia, Lee H. Latimer, Alex M. Madonik, Eileen M. Nottoli, Paul F. Vartanian, Elaine S. Yamaguchi. *California Los Padres*, Albert C. Censullo. *Carolina-Piedmont*, Matthew K. Chan, Daniel Rabinovich. *Central Arizona*, Douglas J. Sawyer. *Central Arkansas*, Martin D. Perry. *Central Massachusetts*, Christopher

*Alternate Councilor

**Temporary Substitute Councilor

Masi. *Central New Mexico*, Kristin M. Omberg, Donovan 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*, Diane M. Kneeland, Barry J. Streusand. *Central Wisconsin*, C. Marvin Lang. *Chattanooga*, Verrill M. Norwood, III. *Chemical Society of Washington*, Joseph M. Antonucci, Christopher W. Avery, Regina J. Cody, Richard M. Goodman*, John M. Malin, N. Bhushan Mandava*, Kim M. Morehouse, Jason E. Schaff, Stefanie S. Wittenberg. *Chicago*, Charles E. Cannon, David S. Crumrine, Kenneth P. Fivizzani, Russell W. Johnson, Fran K. Kravitz, Margaret S. Levenberg, Milt Levenberg, Inessa Miller, Barbara E. Moriarty, Susan M. Shih. *Cincinnati*, Bruce S. Ault, Roger A. Parker. *Cleveland*, David W. Ball, Dwight W. Chasar. *Coastal Georgia*, Will E. Lynch. *Colorado*, Sandra J. Bonetti, Connie Gabel, Susan MacGregor Batenhorst*, Michael D. Mosher, Susan M. Schelble. *Columbus*, Edmund T. King, Donald C. Songstad, Virginia H. Songstad. *Connecticut Valley*, Ronald D. Archer, Kevin R. Kittilstved, Laura E. Pence, Julianne M.D. Smist, Frank J. Torre. *Cornell*, Thomas A. McCarrick. *Corning*, Roger F. Bartholomew. *Dallas-Fort Worth*, Mary E. Anderson, Linda D. Schultz, E. Thomas Strom. *Dayton*, Steven Trohalaki. *Decatur-Springfield*, Harry J. Elston. *Delaware*, John Gavenonis, Tiffany N. Hoerter, Martha G. Hollomon, Nora S. Radu*. *Detroit*, Mark A. Benvenuto, James M. Landis, Jr., Walter O. Siegl. *East Central Illinois*, Amy Nicely. *East Tennessee*, Alan A. Hazari. *East Texas*, Michael Sheets. *Eastern New York*, Mary K. Carroll, Warren D. Hull, Jr. *Eastern North Carolina*, Satinder Ahuja. *Erie*, Betty Jo Chitester. *Florida*, Béla S. Buslig, Carmen V. Gauthier. *Georgia*, Lissa Dulany, David S. Gottfried, Donald G. Hicks*, Terence E. Say. *Greater Houston*, Simon G. Bott, Carolyn A. Burnley, Amber S. Hinkle, Valerie Lafitte, Mamie W. Moy, David M. Singleton. *Green Mountain*, Willem R. Leenstra. *Hampton Roads*, Lisa S. Webb. *Hawaii*, T. Blake Vance, Jr. *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*, Dawn A. Brooks, Brian M. Mathes, Robert A. Pribush. *Indiana-Kentucky Border*, Jeff Seyler. *Inland Northwest*, Jeffrey A. Rahn. *Iowa*, Jay Shanata**. *Kalamazoo*, Lydia E.M. Hines. *Kanawha Valley*, Madan M. Bhasin. *Kansas City*, William G. Gutheil, Eckhard Hellmuth. *Kansas State University*, Viktor Chikan*. *Kentucky Lake*, Charles M. Baldwin. *La Crosse-Winona*, Claude L. Mertzenich. *Lake Superior*, Donald K. Harriss. *Lehigh Valley*, Jeanne R. Berk, Lorena Tribe. *Lexington*, Girish S. Patil**. *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*, Robert J. Hargrove. *Mid-Hudson*, George W. Ruger. *Midland*, Tina M. Leaym, Dale J. LeCaptain. *Milwaukee*, Kevin W. Glaeske. *Minnesota*, Marilyn Duerst, Ramesh C. Kumar*, Sarah M. Mullins, Danae R. Quirk Dorr, Wayne C. Wolsey. *Mobile*, William M. 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*, Stephen E. Cantor*, Gerald J. Putterman. *New York*, Ronald P. D'Amelia, Brian R. Gibney, Barbara R. Hillery, Neil D. Jespersen, Hiroko I. Karan, Joan A. Laredo-Liddell, Anne T. O'Brien, Patricia A. Redden, Frank Romano. *North Carolina*, James L. Chao, Alvin L. Crumbliss, Richard A. Palmer, Melissa A. Pasquinelli, Laura S. Sremaniak. *North Jersey*, Amy M. Balija, Jeannette E. Brown, Amber F. Charlebois, Alan B. Cooper, Jacqueline A. Erickson, Stan S. Hall, Elizabeth M. Howson, Diane Krone, Les W. McQuire, Monica R. Sekharan, William H. Suits. *Northeast Georgia*, Maurice E. Snook*. *Northeast Tennessee*, John Engelman, II. *Northeast Wisconsin*, Martin D. Rudd. *Northeastern*, Michaeline F. Chen, Catherine E. Costello, Michael P. Filosa, Morton Z. Hoffman, Christine H. Jaworek-Lopes, Leland L. Johnson, Jr.*, Doris I. Lewis, Robert L. Lichter, Kenneth C. Mattes, R. Christian Moreton*, Jackie J. O'Neil, Mary Jane Shultz, Michael Singer, Sophia R. Su*, Ruth E. Tanner, Mark J. Tebbe. *Northeastern Indiana*, Ruth E. Nalliah. *Northeastern Ohio*, Ann Abraham**. *Northern New York*, Martin A. Walker. *Northern Oklahoma*, Maziar Sardashti. *Northern West Virginia*, Edwin L. Kugler*. *Northwest Central Ohio*, Michael D. Edmiston. *Northwest Louisiana*, Brian A. Salvatore. *Oklahoma*, Allen W. Aplett. *Ole Miss*, Jason E. Ritchie. *Omaha*, Richard B. Lomneth. *Orange County*, Robert S. Cohen, Sanda P. Sun, Sandra P. Thompson*. *Oregon*, Kevin P. Gable*. *Orlando*, Darlene K. Slattery. *Ozark*, Eric Bosch. *Panhandle Plains*, Mary E. Graff. *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, Ella L. Davis, Anne S. DeMasi, Rick Ewing, Mark A. Forman, Kathryn A. Lysko, James K. Murray, Jr., Kathleen T. Shaginaw, John Tierney. **Pittsburgh**, Richard S. Danchik, Robert Mathers, V. Michael Mautino, Michelle M. Ward. **Portland**, Warren T. Ford*, Elaine Nam*. **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, Mark Wicholas. **Purdue**, Suzanne C. Bart. **Red River Valley**, Harmon B. Abrahamson. **Rhode Island**, Peter J. Bonk. **Richland**, Anna G. Cavinato*. **Rio Grande Valley**, Keith H. Pannell. **Rochester**, D. Richard Cobb, James H. Reynolds*. **Rock River**, Dennis N. Kevill. **Sabine-Neches**, John A. Whittle. **Sacramento**, John R. Berg, Dena J. Chubbic. **Salt Lake**, Thomas G. Richmond, 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**, Melissa L. Golden. **Santa Clara Valley**, George J. Lechner, David R. Parker*, Howard M. Peters*, Sally B. Peters, Ashley M. Piekarski*, Herbert B. Silber, Ean Warren. **Savannah River**, Christopher J. Bannochie. **Sierra Nevada**, Ana de Bettencourt-Dias. **Sioux Valley**, Jetty L. Duffy-Matzner. **Snake River**, Don L. Warner. **South Carolina**, William H. Breazeale, Jr., Scott R. Goode. **South Central Missouri**, Jyoti K. Malhotra. **South Florida**, Milagros Delgado, George H. Fisher, Zaida C. Morales-Martinez. **South Jersey**, Jennifer L. McCulley. **South Plains**, Bill Poirier. **South Texas**, Thomas R. Hays. **Southeastern Pennsylvania**, Gregory P. Foy. **Southern Arizona**, Patricia A. Schumann**. **Southern California**, Brian B. Brady, Thomas R. LeBon, Virgil J. Lee, Eleanor D. Siebert, Barbara P. Sitzman. **Southern Illinois**, Rachel Morgan Theall. **Southern Indiana**, Kenneth G. Caulton. **Southern Nevada**, Kazumasa Lindley. **Southwest Louisiana**, Omar E. Christian. **St. Louis**, Lisa M. Balbes, Lawrence Barton, Donna G. Friedman, Alexa B. Serfis. **Susquehanna Valley**, Dee Ann Casteel. **Tampa Bay**, Marie Bourgeois, Thomas A. Jackman. **Texas A&M**, David E. Bergbreiter. **Toledo**, Andrew D. Jorgensen. **Trenton**, Benny C. Chan, Matthew C. Crowe. **University of Missouri**, Justin R. Walensky. **Upper Ohio Valley**, Kevin Pate. **Upper Peninsula**, David M. Myton*. **Virginia**, Kristine S. Smetana, Ann M. Sullivan, Linette M. Watkins. **Wabash Valley**, Edward A. Mottel. **Wakarusa Valley**, Joseph A. Heppert. **Washington Idaho Border**, Richard V. Williams. **Western Carolinas**, Lucy P. Eubanks, George L. Heard. **Western Connecticut**, Linda Fasber, Lawrence K. Steffen. **Western Maryland**, Don B. Weser. **Western New York**, David P. Nalewajek, Peter M. Schaber. **Wichita**, D. Paul Rillema. **Wichita Falls-Duncan**, Keith R. Vitense. **Wilson Dam**, Michael B. Moeller. **Wisconsin**, Martha L. Casey, Ieva L. Reich. **Wyoming**, Jane V. Thomas*.

Nonvoting Councilors: Elizabeth P. Beckham, Brian A. Bernstein, Bibiana Campos-Seijo, Bonnie A. Charpentier, H.N. Cheng, Brian D. Crawford, Denise L. Creech, Katherine Glasgow, Alicia E. Harris, George E. Heinze, Douglas B. Hausner, Madeleine Jacobs, Mary M. Kirchoff, Susan S. Marine, Nina I. McClelland, Steven R. Meyers, Christi Pearson, Barbara F. Polansky, Sophie Rovner, Max B. Saffell, Sadiq Shah, David T. Smorodin, Simanco R. Staley, Frank E. Walworth, Marleen G. Weidner, Ganapati D. Yadav.

The preceding list of attendees at the Council meeting includes the following: 27 Ex- Officio Councilors; 2 Bylaw Councilors; 85 Division Councilors (76 elected, 9 alternate); 335 Local Section Councilors (305 elected, 25 alternate, 5 temporary); and 26 Nonvoting Councilors (staff and others). Approximately 55 observers were in attendance.

Resolutions

The Council ADOPTED the following resolutions as presented by Past President Attila E. Pavlath and Council Policy Committee (CPC) Vice-Chair Alan M. Ehrlich, respectively:

1. BE IT RESOLVED that the Board of Directors, Council, members, and staff of the American Chemical Society note with profound sorrow the passing of their colleague and friend, Eli M. Pearce, a longtime dedicated and active member of the Society, remembering with admiration and deep appreciation his service to the Society as its president in 2002, a member of the Board of Directors from 1999 – 2003, a Councilor for more than 27 years, a member or chair of numerous ACS bodies, and a member of the Society for 65 years.

As President of the Society, his steadfast commitment to strengthening the professional community of chemists and chemical engineers and his dedication to diversity raised the consciousness of many in the chemical enterprise of the need to make the profession truly inclusive. A passionate advocate for chemistry education reform, his challenge to examine the structure of chemical education in light of the interdisciplinary world resulted in cooperative exploration of alternatives both at home and abroad. His commitment to strong government support for science was evidenced by a significant increase in the Society's activities on Capitol Hill through its Legislative Action Network.

Eli Pearce worked tirelessly throughout his life for everyday chemists, and to ensure that women and minorities had equal opportunities for advancement in society and in their professions. He was a strong supporter of the ACS Scholars Program and was also instrumental in the establishment of the Senior Chemists Committee because he believed that retired ACS members could be meaningful ambassadors in K-12 education and in the larger public arena.

He will be remembered for his tenacious engagement in helping the Society achieve its goals in diversity, education, and outreach. The Society's members and leaders honor his memory and his contributions to chemistry and to the ACS, and extend sincere condolences to his family, colleagues, and friends.

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

- Dr. Richard N. Armstrong, a biochemistry and chemistry professor at Vanderbilt University, and Councilor for the Division of Biological Chemistry from 2002 to 2004.
- Dr. Ellington M. Beavers, a retired Rohm and Haas executive and entrepreneur, and Councilor for the Philadelphia Section from 1963 to 1971.
- Dr. Donald D. Bly, retired chemist from DuPont, and Councilor for the Delaware Section from 1989 to 2003.
- Dr. Grace B. Borowitz, professor of organic chemistry emerita at Ramapo College of New Jersey in Mahwah, and Councilor for the New York Section from 1975 to 2004.
- Dr. Newman M. Bortnick, retired Corporate Research Fellow for Rohm and Haas, and Councilor for the Philadelphia Section from 1968 to 1982 and 1990 to 1998, ExOfficio Councilor from 1983 to 1988 and Bylaw Councilor in 1999.
- Dr. Derek Horton, retired Isbell Chair of Carbohydrate and Natural Product Chemistry at American University, and Councilor for the Carbohydrate Chemistry Division from 1996 to 2015.
- Dr. Sandra I. Lamb, chemistry professor, and Councilor for the Southern California Section from 1989 to 1996 and the California Los Padres Section from 1997 to 2002.
- Dr. J. Ivan Legg, Executive Vice President and Provost at Northern Illinois University, and Councilor for the Auburn Section from 1991-1993 and for the Memphis Section from 1994 to 2001.
- Dr. David Straus, retired Associate Professor for the State University of New York at New Paltz, and Councilor for the Mid-Hudson Section from 1995 to 2010.

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

Approval of Minutes

3. VOTED to approve, as amended, the minutes of the meeting of March 25, 2015.

Election of Elected Committees

D. Richard Cobb, chair, Committee on Nominations and Elections (N&E), introduced the candidates for election to the Council Elected Committees:

4. 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 2016: Christopher J. Bannochie, Michelle V. Buchanan, Alan B. Cooper, Jetty Duffy-Matzner, Donna G. Friedman, Lynn G. Hartshorn, Fran K. Kravitz, Patricia A. Redden, Carolyn Ribes, Sharon P. Shoemaker, Julianne M. D. Smist, and Stephanie J. Watson. By electronic ballot, the Council ELECTED Christopher J. Bannochie, Michelle V. Buchanan, Alan B. Cooper, Donna G. Friedman, and Carolyn Ribes for the 2016-2018 term and Jetty Duffy-Matzner for the 2016-2017 term.

5. 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 2016: John R. Berg, Frank D. Blum, Mary K. Carroll, Dwight W. Chasar, Lisa Houston, Lee H. Latimer, Doris I. Lewis, and Barbara P. Sitzman. By electronic ballot, the Council ELECTED Frank D. Blum, Mary K. Carroll, Lisa Houston, and Lee H. Latimer for the 2016-2018 term.

6. 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 2016: V. Dean Adams, Matthew K. Chan, David A. Dixon, Mary K. (Moore) Engelman, Joseph A. Heppert, Roland F. Hirsch, C. Marvin Lang, Les W. McQuire, Donovan R. Porterfield, and Ralph A. Wheeler. By electronic ballot, the Council ELECTED Mary K. (Moore) Engelman, Roland F. Hirsch, C. Marvin Lang, Les W. McQuire, and Donovan R. Porterfield for the 2016-2018 term.

Reports of Society Officers

President Diane Grob Schmidt updated Council on several initiatives under her presidential theme of “Inspiring and Innovating for Tomorrow.” She announced that the Anniversary Appeal in observance of the 20th anniversary of the ACS Scholars Program has achieved its \$1 million goal.

Working with ACS Executive Director & CEO Thomas M. Connelly, Jr., she developed a summit of Chief Technology Officers to be convened by ACS in late September. ACS will benefit by learning the current issues most critical to the success of the chemistry enterprise, and potentially by developing new programs to serve industry members.

As an outcome of two presidential symposia held in Denver last spring on developments in nanotechnology across industry, academia, and government, the White House Office of Science and Technology Policy (OSTP), through its National Nanotechnology Coordination Office, enlisted the help of ACS to publicize a Grand Challenge on Nanotechnology. OSTP now looks to collaborate with ACS on promotion of future grand challenges.

ACS and the American Chemistry Council have had a series of meetings to examine the workforce needs of the chemical industry and the capabilities of two-year colleges to meet those needs. With Immediate Past President Tom Barton, she created the Presidential Task Force on Addressing Workforce Needs through Industry/Two-Year College Partnerships. Members represent industry, academia, and ACS.

As this was her last Council meeting as ACS President, she concluded by stating it has been an honor to serve the members and represent this tremendous Society.

President-Elect Donna Nelson reported on the progress of her Task Force on Employment in the Chemical Sciences and introduced recent additional appointments. The task force continues to collect chemical community opinions and concerns via poster sessions at ACS meetings, and soon will report on activities and results via articles and symposia at ACS meetings. Councilors were invited to communicate opinions and concerns to this task force by sending email to or speaking with any task force member, including its chair, Attila Pavlath.

She announced that programming is being planned for the ACS National Meeting in San Diego on employment in chemical sciences, diversity in chemical sciences, and organic chemistry education.

Immediate Past President Tom J. Barton stated that he had promised to focus on three areas during his time in the presidential succession: education, internationalization, and industrial membership, and then offered a summary of progress on each.

In education he has spoken about the various obstacles facing attainment of uniform high-quality K-12 science education in the US, and has enjoyed funding and attending sessions designed for high-school chemistry teachers at our regional meetings. He informed Council that funds remaining in his budget will be turned over to existing ACS education projects such as ACS Scholars, ACS Science Coaches, Project Seed, and continuing the sponsorship of high-school chemistry programs at regional meetings.

In the arena of internationalization, he stated he was most proud of being a part of strengthening relationships with chemical societies south of our borders, in particular, the Mexican Society of Chemistry, and the incredibly successful jointly-produced webinars in Spanish resulting from those relationships.

In efforts to find better ways to serve our invaluable industrial members, he was pleased to have been a force in establishing a more meaningful relationship with the American Chemistry Council, which resulted in ACS establishing a joint task force to design community college programs to provide our chemical industries with workers ready to hit the ground running in the various aspects of manufacturing.

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 voted to approve nominees from among ACS members for the National Science Board Public Service Award and the 2016 Alan T. Waterman Award; to reappoint an Editor-in-Chief for an ACS journal; to set the advance member registration fee to \$415 for national meetings held in 2016; to authorize a new program funding request for the ACS Festival Series program; and to reauthorize funding for the ACS Science Coaches program.

Dr. Connelly, the Executive Director & CEO, and his direct reports updated the Board on the activities of Chemical Abstracts Service (CAS), the ACS Publications Division, and the Society's Office of the Secretary and General Counsel. The Board heard reports from members of the presidential succession on their current and planned activities for 2016. As part of its ongoing commitment to consider the most important strategic issues facing the Society, the Board held a discussion evaluating the health and strength of Local Sections and Divisions.

Dr. Confalone concluded by calling attention to the flyers made available to Councilors at the meeting, highlighting a new Educators Legal Liability insurance plan for chemists in the academic field.

Executive Director & CEO Thomas M. Connelly, Jr. reported that the Society is strong, and is operating in line with the 2015 strategic plan, overall and in each of our units. Year-to-date, our membership is down by 1-2 percent but efforts are underway to reverse this trend by strengthening support of industrial members. A summit for CTOs from U.S. and European chemical science companies will convene in September to explore ways to increase further ACS value to chemists in industry.

CAS is enjoying its strongest revenue growth in several years. Its new offerings such as Patent Pak™ are generating significant revenue. The new SciFinder® 16 release is on track for launch in mid-2016. Through ACS International, CAS has significantly increased its global presence, with staff now in Mexico, Brazil, India, China, Japan, Korea, Russia, and the Ukraine.

ACS Publications continues to be the largest, most-cited, most-respected publisher of new science in chemistry-related fields, with a #1 impact factor or total citations in six core chemistry areas. At 2.8 million, citations were up eight percent in 2014. For that year, 16 ACS journals had their highest-ever impact factor, including JACS with an impact factor of 12.1 and Chemical Reviews with an impact factor of 46.6. C&EN is positioned for a vibrant future with updated graphics and more online and global content.

The Society Program Portfolio Management (SPPM) process is now approaching the end of its first full year of utilization. SPPM is a partnership between governance and staff. Through the first cycle, the partners worked on both the review of programs and also the refinement of the SPPM process. Program adjustments are being recommended for the 2016 budgets, and several improvements are being proposed for the next SPPM cycle.

The Society has received more than \$3.2M in new gifts and pledges, year-to-date. Dr. Connelly thanked ACS leaders, dedicated volunteers, and generous members who have contributed to the success of the ACS Scholars 20th Anniversary Appeal. He also recognized Teva Pharmaceuticals for its third pledge of \$1M to support research grants to early career faculty; and acknowledged the generosity of the *Journal of Chemical Education* for endowing the James Bryant Conant Award, and the Division of Chemical Education Examinations Institute for endowing the ACS Award for Achievement in Research for the Teaching and Learning of Chemistry.

Reports of Elected Committees

Council Policy Committee (CPC)

Alan M. Ehrlich, committee vice-chair, reported that of the two petitions and their respective procedures documents for action, CPC concurs with the Petition on Preferential Voting and its procedures (pages 80-85 of the Council agenda). With respect to the Petition on Member Expulsion and its procedures (pages 93-100 of the Council agenda), CPC has worked with the Committee on Economic and Professional Affairs (CEPA) to address CEPA's desire to have the Chemical Professional's Code of Conduct referred to by name. With an amendment to the procedures that CPC proposed to CEPA and was accepted by CEPA, CPC then concurred with this petition and the procedures. A proposed petition and procedures document for removal of Councilors and Alternate Councilors from office for failure to carry out their responsibilities as a Councilor or Alternate Councilor, as well as authorization for Local Sections and Divisions to remove elected officers from office for neglect of duties are expected to be submitted for consideration in San Diego.

CPC also concurred with the recommendation from the Committee on International Activities (IAC) to charter the following five new International Chemical Sciences Chapters: United Arab Emirates, Peru, Nigeria, Brazil, and Australia, and agreed to vote on all five petitions at one time.

In April 2015, the CPC Long-Range Planning Subcommittee (LRP) was asked to review the way Local Sections and Divisions are currently represented on Council. LRP thus far has determined that the size of Council has not increased significantly relative to the size of ACS's membership, and has begun to look at other issues that affect the divisor formulae set out in the Bylaws, such as the ratio of Local Section and Division Councilors, an increase in Division representation, and the representation of international members. Councilors were invited to submit comments to president@acs.org.

Strategy Cafés continue to be scheduled and have grown in popularity to aid in strategic planning efforts; a working group consisting of members from LRP and the Board Committee on Planning has been formed to collaborate on the enhancing the content and the delivery model.

The *Guidelines for Special Discussion Items at Council Meetings* were approved by CPC in Denver. They can be found at www.acs.org/councilors.

Committee on Committees (ConC)

Wayne Jones, committee chair, reported that the Committee on Committees (ConC) is developing its recommendations for 2016 committee chairs, members, associates, and consultant appointments for consideration by the President-Elect and the Chair of the Board of Directors.

ConC has developed a presentation describing the committee member selection process to encourage broad and diverse participation in ACS governance and to help foster a greater understanding of the committee appointment process. The pilot presentations in Boston were well received and a revised version of the presentation will be made at all Councilor caucuses, the ACS Leadership Institute, and regional meetings in 2016.

ConC formed a review group to review the Bylaws of the Society Committees due to issues arising from the membership requirements for appointment to these two committees.

On the recommendation of its task force to improve and streamline the Bylaws-mandated review process for Joint Board-Council and Other Committees of Council, ConC agreed to shorten the format and utilize an online form, to be implemented in 2016.

ConC will conduct its annual New Chairs Training Session in Dallas, Texas, January 22-24, 2016, as part of the ACS Leadership Institute.

On behalf of Council, ConC recognized 28 Councilors who will have served the statutory limit or otherwise completed their service on ACS governance committees at the end of 2015; 13 committee chairs who will have served the statutory limit on the committee they chair; and 32 Councilors observing 15, 20, 25, 30, 35, or 40 years of service as members of the Council.

Nominations and Elections (N&E)

D. Richard Cobb, committee chair, reported the results of the morning's elections to the Council Elected Committees (see items 4-6).

N&E received positive feedback on the format of the Town Hall Meeting for Directors-at-Large conducted Sunday.

Ballots for the 2015 fall national election will be mailed on October 2, with a voting deadline four weeks later on October 30. Members will have the option to vote electronically or by paper ballot. Mr. Cobb then announced the names of candidates for President-Elect (2016), Directors-at-Large (2016-18), District I Director (2016-18), and District V Director (2016-18).

The committee developed slates of potential nominees for President-Elect for 2017 and Directors of Districts II and IV for 2017-2019, as well as a slate of potential candidates for Director-at-Large for 2017-2019.

N&E prepared the procedures document, *Balloting and Preferential Voting Procedures for Elections of President-Elect, District Directors, and Directors-at-Large*, at the request of the petitioners of the Petition on Preferential Voting. The intent of the procedures is to detail the provisions in Bylaw V of the ACS Governing Documents, reflecting the procedures currently used in ACS national elections, except to add preferential voting for Directors-at-Large, and for selecting candidates for District Directors and President-Elect.

7. VOTED to approve the *Balloting and Preferential Voting Procedures for Elections of President-Elect, District Directors, and Directors-at-Large*, contingent upon approval of the Petition on Preferential Voting.

8. VOTED to approve the Petition on Preferential Voting, contingent upon confirmation by the ACS Board of Directors.

Reports of Society Committees and the Committee on Science

Budget and Finance (B&F)

Kristen M. Omberg, committee chair, reported that B&F reviewed the Society's 2015 probable year-end financial projection which expects a Net Contribution from Operations of \$15.5 million, or \$2.1 million higher than the Approved Budget. Total revenues are projected at \$512.1 million, which at \$481,000 favorable is essentially on budget. Total expenses are projected at \$496.6 million, which is \$1.6 million or 0.3 percent favorable to the Approved. This variance is the result of lower-than-budgeted expenses across almost all major expense categories.

The committee considered two program funding requests, the ACS Science Coaches and the ACS Festival Series programs. The Board subsequently took action and approved funding, and these programs will be included in the 2016 Proposed Budget.

Education (SOCED)

Diane Krone, committee chair, reported that SOCED voted to approve revisions to the *ACS Guidelines for Chemistry in Two-Year Colleges*. The committee also voted to make the pilot program of ACS International Student Chapters a permanent feature of the Student Chapters program.

SOCED was informed of recent developments related to the new American Association of Chemistry Teachers (AACT), including \$50,000 grants from both the Camille and Henry Dreyfus Foundation and the Ford Motor Company.

SOCED received an update on federal science education policy from the Government Affairs staff in the Office of Public Affairs; and from Education Division staff on the 10th anniversary of ACS ChemClubs, Division strategic planning, and the launch of an Individual Development Plan (IDP) tool for graduate students.

Science (ComSci)

Katherine C. Glasgow, committee chair, reported that ComSci remains focused on increasing understanding of emerging frontiers in science, developing public policies to advance science in society, and recommending outstanding chemical scientists for prestigious external awards.

At this meeting, ComSci voted to recommend approval of the draft ACS policy statement on energy, a notably improved statement on this critical economic and environmental issue. The committee sponsored a roundtable discussion with leaders of Divisions, journals, and outside experts on moving advanced materials from discovery to application.

ComSci submitted an ACS nomination in April for the Presidential National Medal of Science, is coordinating efforts with the Committee on Patents and Related Matters on the companion National Medal of Technology, and will recommend nominees for the 2016 French Grand Prix Award and the 2017 Dreyfus Prize in chemistry.

Reports of Standing Committees

Divisional Activities (DAC)

Michael J. Morello, committee chair, reported that DAC recently completed a review of a white paper to help Divisions identify, evaluate, and pursue international engagement opportunities; received an update on several changes to the Meeting Abstracts Programming System (MAPS); was briefed on a recently-created task force that seeks to enhance the content and functionality of the acs.org web pages that help Division and Local Section volunteers execute their volunteer duties; and voted to fund 14 Innovative Project Grants (IPG) totaling \$77,050.

The Multidisciplinary Program Planning Group is proposing the following 2018 national meeting themes to the Divisions for their consideration: Nexus of Food, Energy and Water (Spring/New Orleans), and Nanotechnology (Fall/Boston).

Local Section Activities (LSAC)

Martin D. Rudd, committee chair, announced that LSAC presented the 2014 Awards for Outstanding Performance for Local Sections for six Sections at the 17th Annual ChemLuminary Awards celebration. Additionally, four other sections received ChemLuminary Awards.

LSAC will award 20 Innovative Project Grant (IPG) grants this year, totaling \$39,886. This brings the total for 2015 to 34 IPG awards totaling over \$75,000. Since the inception of the program, a total of 166 Local Sections have received at least one award.

The committee voted to keep the current Local Section allotment formula in place for the next three years, and developed a new process for managing the annexation of unassigned territories by multiple sections.

Membership Affairs (MAC)

James M. Landis, committee chair, reported as of July 31, the ACS membership was 156,561; 2,055 fewer than on the same date in 2014. The number of new members who have joined this year is 14,457; 147 fewer than this time last year. The Society's overall retention rate is 84 percent. The number of international members has increased to 25,989; 1,014 higher than in July, 2014. The international retention rate is 85 percent.

The committee intends to submit a petition for consideration in San Diego to extend permanently the Unemployed Member Dues Waiver Benefit period from two years to three years.

The committee prepared a procedures document, *Procedures for Expulsion of a Member*, at the request of petitioners of the Petition on Member Expulsion. The intent of the procedures is to detail the provisions in Bylaw I, Section 5 of the ACS Governing Documents, regarding member expulsion.

9. VOTED to approve, as amended, the *Procedure for Expulsion of a Member*, contingent upon approval of the Petition on Member Expulsion.

10. VOTED to approve the Petition on Member Expulsion, contingent upon confirmation by the ACS Board of Directors.

Economic and Professional Affairs (CEPA)

William R. Ewing, committee chair, reported that ACS ChemCensus data showed that domestic unemployment among ACS member chemists edged slightly upwards in the last year from 2.9 percent to 3.1 percent. Still, the current unemployment rate is lower than it was from 2009 to 2013. The ChemCensus also showed a modest salary increase from year to year. For the first year since 2004, the percentage of ACS members working in manufacturing increased. These trends are mirrored by a slight decline in the percentage of members in academia. Other workforce categories remained relatively flat.

The Subcommittee on Public Policy updated the Healthcare Policy Statement which was then approved by CEPA. It will now go to the Board of Directors for action at its next meeting.

The Standards and Ethics Subcommittee finalized revisions to the *Chemical Professional's Code of Conduct*, which should be ready for Council review in San Diego.

Meetings and Expositions (M&E)

Will E. Lynch, chair, reported that M&E accepted 9,271 papers for the Boston meeting. As of the Council meeting, total attendance for the meeting was 13,888. The Exposition had 475 booths with 325 exhibiting companies. There were nearly 5,500 downloads of the Boston Mobile App. The committee is reviewing site selection options for the fall meeting in 2024. Potential locations include Philadelphia, PA and Denver, CO.

M&E confirmed its conversion to electronic versions of the program book starting with the Spring 2016 meeting. The hardcopy program book will be available for attendees to purchase (at cost) when they register for the meeting and onsite. The PDF version of the national meeting program will be more prominently displayed on the ACS website for those who would like to print portions for themselves.

The committee established a new subcommittee titled "Operations," which is responsible for monitoring the financial success of the national meetings, compliance with the National Meeting Long-Range Financial Plan, and the recommendations of the 2015 Task Force on Implementing National Meeting Financial Targets.

Constitution and Bylaws (C&B)

James C. Carver, committee chair, reported that C&B certified 14 bylaws in 2015, and has reviewed bylaws for 9 Local Sections and 2 Divisions since the spring meeting in Denver. The use of C&B's new bylaw templates and expedited bylaw process enables faster bylaw reviews than in previous years.

New petitions to amend the Constitution or Bylaws must be received by the Executive Director no later than November 25 to be included in the Council agenda for consideration at the spring 2016 meeting in San Diego.

Reports of Other and Joint Board-Council Committees

Chemical Safety (CCS)

Elizabeth M. Howson, committee chair, reported that CCS had been requested by the Chemical Safety Board to assist in developing guidance with methods to recognize, assess, and control hazards in research laboratories. CCS released its final report, *Identifying and Evaluating Hazards in Research Laboratories*, in 2015. Councilors and their institutions who are engaged in research were urged to consider using this guide to help keep their laboratories safer. CCS has continued its strategy to help strengthen academic safety culture by providing authoritative resources for the ACS community through its Task Force for Safety Education Guidelines.

Chemists with Disabilities (CWD)

John J. Johnston, committee chair, reported that in June 2015, CWD held a strategic planning workshop. Accomplishments included developing and refining mission and vision statements, as well as four goals and strategies to achieve them.

CWD and the ACS Standard Exams Institute initiated conversations regarding collaboration to address issues such as the unavailability of ACS Standard Exams, Practice Tests, and Study Guides in Braille.

The committee has expressed concern regarding current ACS petitions on the formation of International Chemical Sciences Chapters, and of ACS affiliating with organizations that may exclude and/or segregate subpopulations based on gender, race, sexual orientation, or disabilities.

CWD worked with the ACS Office of Public Affairs (OPA) to draft a letter of support for the Ratification of the United Nations Convention on the Rights of Persons with Disabilities. The letter was accepted by ACS and adopted as a public policy statement of the Society. CWD is in ongoing discussions with OPA on continuing the pursuit of congressional support for the Ratification of this treaty.

Community Activities (CCA)

George Heard, committee chair, reported that one of CCA's most popular programs is the nation-wide Illustrated Poem Contest (IPC), where Local Sections submit outstanding entries based on the theme of National Chemistry Week or Chemists Celebrate Earth Day. In the spirit of the IPC, the chair used various styles of verse to report on CCA's public outreach event held at the Boston Museum of Science, and to announce the theme of National Chemistry Week 2016, "Solving Mysteries Through Chemistry".

Ethics (ETHX)

Keith Vitense, committee chair, requested that Councilors keep the committee informed of any ethics-related activity sponsored by ACS committees, Local Sections, and Divisions. ETHX will provide this information (with proper credit) to national meeting attendees.

International Activities (IAC)

H.N. Cheng, committee chair, reported that at this meeting in Boston, IAC welcomed dignitaries from sister societies in Canada, Cuba, India, Germany, Taiwan, the UK, as well as the leadership of the Organization for the Prohibition of Chemical Weapons (OPCW), the U.S. National Academies of Science, the Iraqi Chemical Society, ACS International Chapters, and ACS International Student Chapters.

The committee approved the ACS Global Innovation Initiatives (Gii) Singapore White Paper and chose South America and Mexico for the 2017 joint ACS-Pittcon program to foster exchange and research collaboration in analytical chemistry.

IAC received applications for the establishment of ACS International Chemical Sciences Chapters in Australia, Brazil, Nigeria, Peru, and the United Arab Emirates, by ACS members in good standing and residing in the respective countries. The applications meet all requirements of Bylaw IX of the Society and include statements that the applicants are familiar with and will abide by all governing documents of the Society. The applications have been reviewed and approved by IAC; they provide strong evidence of their respective national chemical society's support and cooperation, and show connections to ACS Technical Divisions and editorial communities.

11. VOTED to approve the establishment of the Australia, Brazil, Nigeria, Peru, and United Arab Emirates International Chemical Sciences Chapters, subject to confirmation by the Board of Directors.

Minority Affairs (CMA)

Madeleine Jacobs, committee chair, reported that CMA focused its activities at this meeting on the 20th anniversary celebration of the ACS Scholars Program. The program has awarded more than \$17 million in scholarship assistance since 1995 to enable 2,500 talented minority students to pursue their dreams of a degree in the chemical sciences. The new Scholars Endowment Fund now has commitments of more than \$2 million.

At the spring 2016 meeting San Diego, CMA will host a symposium “How to Foster Diversity in the Chemical Sciences: Lessons Learned and Taught from the Stories of Recipients of the Stanley C. Israel Award.” Dr. Israel was a well-known polymer chemist who supported diversity in many areas. He was serving on the ACS Board of Directors when he died in 2003.

CMA continues to focus on diversifying speakers at ACS National Meetings and is also working with the ACS Leadership Advisory Board to develop specific training modules on diversity and inclusion.

Patents and Related Matters (CPRM)

Sadiq Shah, committee chair, reported that CPRM continues to monitor legislative and regulatory developments influencing intellectual property in ways that impact the chemical enterprise. The committee website is updated frequently and contains helpful information about intellectual property matters relevant to those in the chemical enterprise.

The committee has submitted detailed suggestions to the U.S. Patent and Trademark Office (PTO) in support of enhancing the quality of patents and the patenting process. CPRM recently partnered with the Chemical Society of Washington and the ACS Office of Public Affairs to participate in the PTO’s Technology Fair.

Project SEED (SEED)

Anna Cavinato, committee chair, announced another successful SEED program in 2015 with the participation of 411 high school students. These students are currently placed in over 100 laboratories across the nation, under the supervision of over 400 volunteer scientists and coordinators in 39 states, the District of Columbia, and Puerto Rico. The committee awarded 32 first-year non-renewable College Scholarships to SEED alumni in 17 states and Puerto Rico.

2018 will mark the 50th anniversary of Project SEED and the committee has set an ambitious goal to expand the program to all 50 states.

Public Relations and Communications (CPRC)

David S. Gottfried, committee chair, reported that CPRC co-sponsored a number of events in Boston to showcase ways to increase public appreciation for chemistry: the PBS preview of “Mystery of Matter: Search for the Elements”; a symposium on the public perception of chemistry co-sponsored with Chemical & Engineering News and the ACS Office of Public Affairs; ChemChamps; and the Wikipedia Edit-a-thon, cosponsored with the Division of Chemical Information.

Senior Chemists (SCC)

George E. Heinze, committee chair, announced that this meeting marked the third anniversary of the formation of the SCC at the Philadelphia National Meeting in 2012. SCC has been able to establish a number of initiatives through its provision of mini-grants to Local Sections to sponsor senior-related activities, several of which were recognized by the initial ChemLuminary awards at Boston. A committee retreat is being planned for this fall to identify priorities that will serve the SCC constituency as well as meeting the strategic goals of the committee.

Technician Affairs (CTA)

Susan Marine, committee chair, announced that CTA is now accepting nominations for the 2016 National Chemical Technician Award. This annual award is presented in recognition of outstanding technical and communication skills, reliability, leadership, teamwork, publications, and presentations.

Councilors were reminded that all Local Sections and Divisions who hold technician-related events are encouraged to submit them for consideration for the 2016 CTA ChemLuminary award. Interested Local Sections and Divisions may nominate themselves for the award through their annual reports.

Younger Chemists (YCC)

Douglas Hausner, committee chair, reported that the *Program in a Box* effort continues to grow rapidly with a 43 percent increase in the number of disseminated boxes between fall 2014 and February 2015. A total of 181 boxes were delivered to Local Sections and International Chemical Sciences Chapters during this period.

At this meeting YCC participated in the 5th Younger Chemists Crossing Borders, which is an exchange that brings younger chemists from parts of Europe to this meeting.

YCC is currently in discussions with N&E, ACS Webinars, ACS Office of Public Affairs, and the President-Elect candidates for 2016 about holding a roundtable webinar, "Catalyze the Vote," where the candidates can speak to the younger constituency about their future visions for the Society.

New Business

Resolution

The Council adopted the following resolutions:

12. BE IT RESOLVED That the Council of the American Chemical Society express to the officers and members of the Northeastern Local Section, host Section for the 250th National Meeting, the sincere appreciation of the Council and of the entire Society for the cordial hospitality extended to all registrants at this meeting, and that the Council convey special thanks to the divisional program chairs and symposium organizers responsible for the outstanding technical sessions, as well as headquarters staff, for the planning and execution that have assured the success of the 250th National Meeting.

13. BE IT RESOLVED That the Council of the American Chemical Society expresses to Diane Grob Schmidt, President of the Society in 2015, its sincere appreciation for her service as its presiding officer, and its gratitude for her 48 years of service to the Society.

The Council is appreciative of her efforts and devotion to promote a stronger dialogue with our members employed in industry through a multifaceted approach for greater engagement, her continued championing and fundraising for the ACS Scholars program, and her advocacy on behalf of the recently established American Association of Chemistry Teachers.

The Council also urges continued support for her advocacy to all members to engage with public officials, to express the fundamental importance of chemistry in our lives and our communities; to increase our efforts in diversity and inclusion – allowing all our members the opportunity to excel in their field; and to advance policies and outreach events that encourage the appreciation of chemistry both nationally and globally.

The Council extends to President Schmidt and her husband Warren its best wishes in their future endeavors, and for her continuing professional and personal achievements.

There being no further business, the meeting adjourned at 11:20 a.m.

Flint H. Lewis
Secretary