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# AMERICAN CHEMICAL SOCIETY

## Council Agenda

**Wednesday, August 19, 2015  
8:00 AM**

**Grand Ballroom**

**Sheraton Boston Hotel**

**Boston, Massachusetts**

COUNCIL, AMERICAN CHEMICAL SOCIETY  
 8:00 A.M., August 19, 2015  
 Sheraton Boston Hotel, Grand Ballroom  
 Boston, Massachusetts

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**DRAFT**  
**MINUTES**  
**COUNCIL**  
AMERICAN CHEMICAL SOCIETY  
March 25, 2015  
Denver, Colorado

The Council of the American Chemical Society met in Denver, Colorado, on March 25, 2015, beginning at 8:03 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, Bruce E. Bursten, William F. Carroll, Jr., Pat N. Confalone, Thomas M. Connelly, Jr., Helen M. Free, Thomas R. Gilbert, Ned D. Heindel, Rigoberto Hernandez, Nancy B. Jackson, Paul W. Jagodzinski, 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:** 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-Heard, Michelle V. Buchanan, M. Bonner Denton, Al Ribes\*. *Biochemical Technology*, Arindam Bose, Theresa A. Good, Sadettin Ozturk, Ranjan Srivastava\*. *Biological Chemistry*, Erin E. Carlson, Christine S. Chow, Wendy L. Kelly. *Business Development & Management*, Janet L. Bryant, Michael Hurrey. *Carbohydrate Chemistry*, Anthony S. Serianni. *Catalysis Science and Technology*, Charles H.F. Peden. *Cellulose and Renewable Materials*, Kevin J. Edgar, Lucian A. Lucia. *Chemical Education*, Renée S. Cole, Melanie M. Cooper, Resa M. Kelly, Ellen J. Yezierski. *Chemical Health & Safety*, Joseph M. Pickel\*, Frankie K. Wood-Black. *Chemical Information*, Bonnie Lawlor, Andrea B. Twiss-Brooks. *Chemical Toxicology*, Penny Beuning, Steven E. Rokita\*. *Chemistry & The Law*, James C. Carver, Alan M. Ehrlich. *Colloid & Surface Chemistry*, Eric M. Furst, Tina M. Nenoff, Robert D. Tilton. *Computers in Chemistry*, Luke E.K. Achenie\*, Emilio X. Esposito, Peter C. Jurs, Henry L. Woodcock, III\*. *Energy & Fuels*, Joe D. Allison, Kathleen C. Gregar\*. *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*, Martin A. Abraham, Spiro D. Alexandratos, Mary K. Engelman, Melanie J. Moser. *Inorganic Chemistry*, Marina A. Petrukhina, Silvia Ronco, William B. Tolman. *Medicinal Chemistry*, Jane V. Aldrich, William J. Greenlee, Carrie Haskell-Luevano\*, Amy S. Ripka. *Nuclear Chemistry & Technology*, Silvia S. Jurisson, Graham F. Peaslee. *Organic Chemistry*, Huw M.L. Davies, Scott R. Gilbertson, Cynthia A. Maryanoff, Brian M. Stoltz. *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. Duddey, Daryl L. Stein. *Alabama*, Tracy P. Hamilton. *Ames*, Malika Jeffries-El. *Auburn*, Konrad Patkowski\*\*. *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.

\*Alternate Councilor

\*\*Temporary Substitute Councilor

Censullo. **Carolina-Piedmont**, Matthew K. Chan, Daniel Rabinovich. **Central Arizona**, Douglas J. Sawyer. **Central Arkansas**, Martin D. Perry. **Central Massachusetts**, Christopher Masi. **Central New Mexico**, Kristin M. Omberg, Donivan R. Porterfield. **Central New York**, Alyssa C. Thomas. **Central North Carolina**, Gail H. Webster, 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 Utah**, Jennifer B. Nielson. **Central Wisconsin**, C. Marvin Lang. **Chattanooga**, Verrill M. Norwood, III. **Chemical Society of Washington**, Joseph M. Antonucci, Christopher W. Avery, Elise A. Brown, Regina J. Cody, Monika I. Konaklieva, John M. Malin, Kim M. Morehouse, Jason E. Schaff, Stefanie S. Wittenberg. **Chicago**, Charles E. Cannon, Kenneth P. Fivizzani, Michael G. Koehler\*, Fran K. Kravitz, Josh W. Kurutz\*, Margaret S. Levenberg, Milt Levenberg, Avrom C. Litin\*, Inessa Miller, Susan M. Shih. **Cincinnati**, Bruce S. Ault, Kathleen Gibboney, Roger A. Parker. **Cleveland**, David W. Ball, Dwight W. Chasar. **Coastal Georgia**, Will E. Lynch. **Colorado**, Sandra J. Bonetti, David L. Dillon, Connie Gabel, 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**, Linda D. Schultz, E. Thomas Strom. **Dayton**, Steven Trohalaki. **Decatur-Springfield**, Harry J. Elston. **Delaware**, Tiffany N. Hoerter, Martha G. Hollomon, Nora S. Radu\*, Margaret J. Schooler. **Detroit**, Mark A. Benvenuto, 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**, Mary G. Galinato\*. **Florida**, Béla S. Buslig, Carmen V. Gauthier. **Georgia**, Lissa Dulany, David S. Gottfried, Donald G. Hicks\*, Terence E. Say. **Greater Houston**, Carolyn A. Burnley, Amber S. Hinkle, Mamie W. Moy, David M. Singleton. **Green Mountain**, Willem R. Leenstra. **Hampton Roads**, Lisa S. Webb. **Heart O'Texas**, Darrell G. Watson. **Huron Valley**, Ellene T. Contis, Harriet Lindsay. **Idaho**, Raymond P. Anderson\*. **Illinois Heartland**, Gregory M. Ferrence. **Illinois-Iowa**, Richard G. Rogers. **Indiana**, Brian M. Mathes, Robert A. Pribush. **Indiana-Kentucky Border**, Jeffery W. Seyler. **Inland Northwest**, Jeffrey A. Rahn. **Iowa**, Addison Ault. **Kalamazoo**, Lydia E.M. Hines. **Kanawha Valley**, Michael W. Fultz\*. **Kansas City**, William G. Gutheil, Eckhard Hellmuth. **Kentucky Lake**, Charles M. Baldwin. **Lake Superior**, Donald K. Harriss. **Lehigh Valley**, Jeanne R. Berk, Lorena Tribe. **Lexington**, Mark Blankenbuehler. **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**, George W. Ruger. **Midland**, Tina M. Leaym, Dale J. LeCaptain. **Milwaukee**, Kevin W. Glaeske, Joseph J. Piatt. **Minnesota**, Lynn G. Hartshorn, 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**, Gerald J. Putterman, Kap-Sun Yeung\*. **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 Alabama**, Ewa Ciszak\*. **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, Ronald Kong\*, Diane Krone, Cecilia E. Marzabadi\*, William H. Suits. **Northeast Georgia**, Susan D. Richardson. **Northeast Tennessee**, John Engelman, II. **Northeast Wisconsin**, Martin D. Rudd. **Northeastern**, Michaeline F. Chen, Mukund S. Chorghade\*, Catherine E. Costello, Michael P. Filosa, Patrick M. Gordon\*, Morton Z. Hoffman, Leland L. Johnson, Jr.\*., Doris I. Lewis, Robert L. Lichter, Patricia A. Mabrouk, Kenneth C. Mattes, Andrew Scholte\*, Mary Jane Shultz, Michael Singer, Anna W. Sromek\*, Ruth E. Tanner. **Northeastern Ohio**, Sarah S. Preston. **Northern New York**, Vinay Likhite\*\*. **Northern Oklahoma**, Joe D. Allison\*. **Northwest Central Ohio**, Hafed A. Bascal\*. **Northwest Louisiana**, Brian A. Salvatore. **Oklahoma**, Allen W. Apblett. **Ole Miss**, Jason E. Ritchie. **Omaha**, Richard B. Lomneth. **Orange County**, Robert S. Cohen, Sandra P. Sun, Sandra P. Thompson\*. **Oregon**, Richard L. Nafshun.

**Orlando**, Darlene K. Slattery. **Ozark**, Eric Bosch. **Panhandle Plains**, Mary E. Graff. **Penn-Ohio Border**, Doris L. Zimmerman. **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, Vincent M. Mautino, Michelle M. Ward. **Portland**, Angela Hoffman, Marcie J. Merritt. **Princeton**, Allen N. Jones, Louise M. Lawter. **Puerto Rico**, Néstor M. Carballeira, Agnes Dubey, Angela M. Gonzalez Medreros. **Puget Sound**, Gary D. Christian, Craig B. Fryhle, Gregory L. Milligan, Mark Wicholas. **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, Todd E. Pagano. **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**, Linda S. Brunauer, George J. Lechner, Howard M. Peters\*, Sally B. Peters, Peter F. Rusch, 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. **South Central Missouri**, Jyoti K. Malhotra. **South Florida**, Milagros Delgado, George H. Fisher, Zaida C. Morales-Martinez. **South Jersey**, Jennifer L. McCulley. **South Texas**, Thomas R. Hays. **Southeastern Pennsylvania**, Gregory P. Foy. **Southern Arizona**, Steven L. Brown. **Southern California**, Brian B. Brady, Thomas R. LeBon, Virgil J. Lee, Sofia Pappatheodorou\*, Eleanor D. Siebert, Barbara P. Sitzman. **Southern Illinois**, Rachel Morgan Theall. **Southern Indiana**, Kenneth G. Caulton. **Southern Nevada**, Kazumasa Lindley\*. **Southwest Georgia**, Linda de la Garza\*. **St. Joseph Valley**, Kayode D. Oshin\*. **St. Louis**, Lisa M. Balbes, Lawrence Barton, Donna G. Friedman, Alexa B. Serfis. **Susquehanna Valley**, Dee Ann Casteel. **Tampa Bay**, Thomas A. Jackman, Russell K. Odland\*. **Texas A&M**, David E. Bergbreiter. **Toledo**, Andrew D. Jorgensen. **Trenton**, Benny C. Chan, Matthew C. Crowe. **University of Arkansas**, Neil T. Allison. **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. **Virginia Blue Ridge**, W. Gary Hollis, Jr. **Wabash Valley**, Edward A. Mottel. **Wakarusa Valley**, Joseph A. Heppert. **Washington Idaho Border**, Richard V. Williams. **Western Carolinas**, Lucy P. Eubanks, George L. Heard. **Western Connecticut**, Dchia A. Habboush\*\*, Lawrence K. Steffen. **Western Maryland**, Don B. Weser. **Western Michigan**, Mark A. Thomson. **Wichita**, D. Paul Rillema. **Wichita Falls-Duncan**, Keith R. Vitense. **Wilson Dam**, Amanda H. Coffman\*\*. **Wisconsin**, Allen D. Clauss\*, Ieva L. Reich. **Wooster**, Judith C. Amburgey-Peters\*. **Wyoming**, Jane V. Thomas\*.

**Nonvoting Councilors:** Susan Ainsworth, Elizabeth P. Beckham, Brian A. Bernstein, Susan B. Butts, Bibiana Campos-Seijo, Bonnie A. Charpentier, H.N. Cheng, Brian D. Crawford, Denise L. Creech, Alicia E. Harris, Madeleine Jacobs, John C. Katz, Mary M. Kirchhoff, Steven R. Meyers, 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: 27 Ex- Officio Councilors; 1 Bylaw Councilor; 85 Division Councilors (77 elected, 8 alternate); 330 Local Section Councilors (294 elected, 32 alternate, 4 temporary); and 22 Nonvoting Councilors (staff and others). Approximately 55 observers were in attendance.

### Resolutions

The Council ADOPTED the following resolutions as presented by Council Policy Committee (CPC) Vice-Chair Alan M. Ehrlich:

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

- Dr. Cherlyn lavaughn Bradley, retired from the Amoco Corporation, and Councilor for the Chicago Section from 1993-2014.
- Dr. Maureen Chan, retired from AT&T Bell Labs, and Councilor for the North Jersey Section from 1979-1996 and from 2004-2012, and Ex Officio Councilor from 1997-2002.

2. BE IT RESOLVED That the Board of Directors, Council, and staff of the American Chemical Society note with sadness the passing of their former colleague and friend, Rodney N. Hader. A member of the ACS staff for thirty-eight years, during which he served as Secretary of the Society for eleven years, he contributed significantly to the ACS programs for the benefit of chemists and chemical engineers, and a generation of ACS officers, Councilors, and staff. His encyclopedic knowledge and high standards were admired as were his integrity and valued friendships. The Society's leadership and its staff extend to his wife and family their deepest sympathies in their time of sadness.

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

Approval of Minutes

3. VOTED to approve, as distributed, the minutes of the meeting of August 13, 2014.

Report of Interim Action, Council Policy Committee

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

Election of Elected Committees

**D. Richard Cobb**, 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 2016: G. Bryan Balazs, Allison A. Campbell, David J. Lohse, and Christopher J. Welch.

5. After each nominee spoke to Council, the Council selected by electronic ballot G. Bryan Balazs and Allison A. Campbell as candidates for President-Elect 2016.

Mr. Cobb introduced the candidates for the Board of Directors, chosen by voting Councilors in District I and District V for the election to be conducted this fall for the term 2016-2018: District I, Thomas R. Gilbert and Laura E. Pence; and District V, John E. Adams and Kenneth V. Fivizzani.

Mr. Cobb then announced the following candidates for Director-at-Large on the Board of Directors: Willem R. Leenstra, Ingrid Montes, Mary Jo Ondrechen, and Thomas W. Smith. The two successful candidates will fill 2016-2018 terms.

Reports of Society Officers

**President Diane Grob Schmidt** gave an update on several initiatives under her presidential theme of "Inspiring and Innovating for Tomorrow": a celebration of the 20<sup>th</sup> anniversary of the ACS Scholars Program; convening a

summit later this year of Chief Technology Officers of major chemical and pharmaceutical companies to interact and share perspectives on a variety of issues critical to the success of the chemistry enterprise; and joint visits to Chief Executive Officers of these companies by ACS Executive Director and Chief Executive Officer Thomas M. Connelly, Jr., to listen to them, assess their needs, and devise how ACS can align its programs and services to better serve industrial chemists.

Dr. Schmidt also reported that she has been working with staff in the Office of the Secretary & General Counsel and Membership & Scientific Advancement to host industry roundtables, which would allow scientific peers to discuss issues affecting their business and their science in a neutral setting. The first roundtable, in August, will center on accelerating innovation in the basic chemicals sector. A second roundtable, in October, will focus on a topic of interest to industry yet to be finalized.

She announced five Presidential symposia scheduled for the Boston national meeting: National Science Foundation Centers for Chemical Innovation; 21<sup>st</sup> Century Chemistry Education; ACS Scholars in Industry and Academe; Transforming University-Industry Partnerships for an Innovative Future; and The Science and Legacy of Henry Hill.

**President-Elect Donna Nelson** reported receiving, in response to her emails sent to ACS members during her election campaign, approximately 1,500 emails containing suggestions and comments. She listed several issues identified by ACS members as well as how these issues were being reviewed and/or addressed. Members particularly noted the urgency of the jobs issue, so she is establishing a task force to examine differences between the number of job seekers and jobs available. The task force will begin by reviewing the contributors to the jobs problem, including demographic concerns, public attitudes toward science, STEM salaries, and job differences between STEM disciplines. Dr. Nelson concluded by announcing members of her task force and reminding Councilors that she would appreciate receiving their ideas, concerns, and thoughts.

**Immediate Past President Tom J. Barton** reported that he has been continuing to advance his initiatives, which include working with staff in the Education Division to provide stipends to incentivize high school chemistry teachers to attend ACS regional meetings, hosting sessions at regional meetings for industrial chemists, holding meetings with the American Chemistry Council, developing plans for a joint task force on community colleges, and working with fellow Board member Ingrid Montes to conduct ACS webinars in Spanish.

**Board Chair Pat N. Confalone** expressed his gratitude for the opportunity to serve ACS as Chair of the Board, and thanked the previous Chair, William F. Carroll, Jr., for leading the Board in an organized, inclusive, and fruitful search for the new Executive Director and Chief Executive Officer, Thomas M. Connelly, Jr.. Dr. Connelly began his ACS career on February 17, 2015.

The Board received and discussed reports from its Committees on Grants and Awards (G&A), Professional and Member Relations (P&MR), Executive Compensation (CEC), Corporation Associates (CA); the Society Committee on Education (SOCED); and the Joint Board-Council Committee on Publications (PUBS).

On the recommendation of G&A and of the Committee on Science (ComSci), the Board voted to approve a Society nominee for the National Medal of Science. On the recommendation of P&MR, the Board voted to provide nominal sponsorship, without financial commitment, for the “Frontiers of Science Research and Education in the Middle East: A Bridge to Peace” (Malta VII) to be held in Rabat, Morocco, November, 2015.

The Board received an extensive briefing and approved several recommendations from CEC. The compensation of the Society’s executive staff receives regular review from the Board.

On the recommendation of SOCED, the Board voted to approve a procedure for the establishment of the inaugural Governing Board for the American Association of Chemistry Teachers (AACT). And on the recommendation of PUBS, the Board voted to approve the reappointment of an Editor-in-Chief for an ACS journal.

At this meeting, Dr. Connelly's direct reports updated the Board on the activities of Chemical Abstracts Service (CAS), the ACS Publications Division, the Society's Treasurer, and the Society's General Counsel. As part of its ongoing commitment to consider key strategic issues facing the Society, the Board held a discussion on improving governance agility. The Board also received an update on the plans for a one-day retreat to be held as part of its June Board meeting.

**Executive Director & CEO Thomas M. Connelly, Jr.** addressed the Council for the first time as Executive Director & CEO. He provided brief biographical background, stating that he feels honored and privileged to have been selected for the position. He has been constantly impressed by the capability of ACS staff and volunteers, and by the scope and scale of their efforts. As a long-time member of ACS, he has observed and admired the many ways in which the Society has made important contributions to chemistry.

Dr. Connelly reported that financial performance for both CAS and ACS Publications remains strong. With the launch of new CAS products and continued enhancements to SciFinder®, CAS expects that revenue growth will accelerate in 2015. CAS also achieved record and near-record growth in multiple content areas.

ACS Publications is experiencing sustained growth in manuscript submissions, article publications, web usage, and institutional subscription revenues, and expects an increase in revenue growth in 2015. At this meeting, ACS also showcased ACS Central Science, its Open Access journal, with Carolyn Bertozzi, Editor-in-Chief.

Dr. Connelly reported that more than 1,900 individuals have joined AACT, and urged Councilors to help promote this outstanding organization. ACS is grateful to Dow Chemical Company for providing \$1 million in support to AACT as the Sole Founding Partner.

Finally, he announced that nearly \$2 million in contributions and planned gifts have been pledged to the ACS Scholars Program this year, as that program observes its 20<sup>th</sup> anniversary.

#### Reports of Elected Committees

##### Council Policy Committee (CPC)

**Alan M. Ehrlich**, committee vice-chair, reported that CPC hosted two orientation programs – a webinar in February and a session at this national meeting – for new Councilors and Alternate Councilors to provide information about ACS governance, roles and responsibilities of Councilors, and how to get involved with committees. The mentoring program established for new Councilors needs volunteers from among experienced Councilors.

CPC approved the *Guidelines for Special Discussion for ACS Council Meetings*; the guidelines will now be made widely available, including on the Councilor site of the ACS Network.

The CPC Subcommittee on Petitions, Constitution and Bylaws, in conjunction with the Task Force on Councilor and Member Duties and Responsibilities, has been preparing two Bylaw changes. One proposed change is up for

consideration at this meeting. It would revise the Society's Bylaws on expulsion of members for "conduct injurious to the Society," which would significantly simplify the current Bylaw procedure while preserving due process. It is likely to be amended with the consent of the petitioners and the revised version will be up for action in Boston.

The other task force petition is still in the drafting stage; it will add Bylaw sections that will provide a process for removing Councilors and Alternate Councilors from office for neglect of duties and other misconduct. It would also authorize Local Sections and Divisions to remove locally elected officers from office for neglect of duties and other misconduct.

Dr. Ehrlich announced that as required by the Society's Bylaws, CPC has set the divisors which will be used to determine how many Councilors each Local Section and Division is entitled for 2016-2019. Official notification will be sent to Local Sections and Divisions well in advance of the Bylaws-required May 1 deadline, in order to accommodate the units' conduct of their elections in 2015. CPC's Long Range Planning Subcommittee is forming a task force to consider whether changes are in order for the calculations and policies, and to implement any recommendations in time for the 2020 election cycle.

In its continuing efforts to help the Society to reduce expenses, CPC is considering alternatives to reduce the printing and mailing costs of the Council Agenda. CPC will be conducting surveys to evaluate potential strategies.

#### Committee on Committees (ConC)

**Wayne Jones**, committee chair, reported that ConC conducted its annual New Chairs Training Session in Dallas, Texas, January, 2015, as part of the ACS Leadership Institute; ConC is developing its recommendations for 2016 committee chairs, members, associates, and consultant appointments for consideration by the President-Elect and Chair of the Board; and performance reviews for the committees on Ethics and on Science are complete and are on the Council agenda for action.

6. VOTED, on the recommendation of the Committee on Committees, that subject to the concurrence by the Board of Directors, the Committee on Ethics be continued and that the Committee on Science be continued.

Councilors were reminded to complete their online evaluation preference forms for 2016 for the period March 30 – June 5, 2015, at [www.yellowbook.acs.org](http://www.yellowbook.acs.org).

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

**D. Richard Cobb**, committee chair, reported the results of the morning's elections for President-Elect 2016 (see item 5). 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.

He announced that Councilors voting to select their two candidates for District Director from among four nominees now have the option of voting either electronically or by mail ballot.

N&E has reviewed the distribution of members within the six electoral districts to assure that the districts have equitable representation; that is, the year-end member count of each electoral district must be within 10 percent of the average number of members residing in each district. The December 31, 2014 year-end report was in compliance and no changes are required in the ACS election district boundaries.

The committee developed slates of potential candidates for the CPC and ConC for 2016-2018 terms. The names of the candidates will appear in the Boston fall Council agenda.

Reports of Society Committees and the Committee on Science

Budget and Finance (B&F)

**Kristen M. Omberg**, committee chair, reported that for 2014, ACS generated a net from operations of \$17.9 million, which was \$4.2 million favorable to the budget. Total revenue was \$499.0 million, which was \$0.7 million (or 0.1 percent) higher than budget. Expenses ended the year at \$481.1 million, \$3.5 million favorable to budget. This variance was largely attributable to a continued emphasis on expense management across the Society. Despite these favorable operating results, the Society's financial position weakened in 2014, with unrestricted net assets declining \$62.3 million, to \$144.7 million at year-end. The decline was the result of a significant accounting charge (\$93.7 million) related to the Society's two closed post-retirement benefit plans: a Defined Benefit Pension Plan and a Retiree Medical Plan.

Dr. Omberg presented information on the 2016 fully escalated dues calculation and a comparison of ACS dues amounts with those of other scientific societies; ACS falls in the middle in terms of cost and likely will remain there in 2016. The committee voted to recommend to Council that member dues for 2016 be set at the fully escalated rate.

7. VOTED, on the recommendation of the Committee on Budget and Finance, with the concurrence of the Council Policy Committee, that the member dues for 2016 be set at the fully escalated rate of \$162.

Education (SOCED)

**Diane Krone**, committee chair, reported that more than 1,900 individuals (88 percent of whom are K-12 teachers of chemistry) have joined AACT, which launched last year. As was reported previously, the Dow Chemical Company became the Sole Founding Partner of AACT, with a gift of \$1 million.

SOCED voted to form a task force with the Division of Chemical Education to develop a process for creating performance expectations for college level general chemistry by spring 2016.

Science (ComSci)

**Barry Streusand**, on behalf of committee chair Katherine C. Glasgow, 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.

The committee has collaborated with several ACS committees to develop five public policy statements that were approved by the Board in December 2014. More recently, ComSci led the development of a new draft ACS policy statement on hydraulic fracturing, which will be considered by the Board. Current collaborations include revising ACS policy statements on energy, climate change, and forensic science.

The ACS Board of Directors has approved ComSci's recommendation for the annual Presidential National Medal of Science; the committee will reach out again this spring to elicit suggestions for both the National Medal of Science and the National Medal of Technology and Innovation. Additionally, ComSci will develop recommendations for the French Grand Prix Award for 2016 and the prestigious Dreyfus Prize in the Chemical Sciences for 2017.

Reports of Standing Committees

Meetings and Expositions (M&E)

**Will E. Lynch**, chair, reported that 10,266 papers were accepted for the 249<sup>th</sup> National Meeting in Denver. The total attendance to date for this meeting was 13,940. The Exposition had 363 booths with 240 exhibiting companies. This meeting saw the launch of the new ACS Mobile Application that members can use to find meeting information while on site.

M&E has recommended to the Board of Directors that the Early Member Registration Fee for the 2016 national meetings be set at \$41, per the National Meeting Long-Range Financial Plan.

The committee has also recommended to the ACS Board of Directors that Washington, DC, be designated as the site for the fall national meetings in 2025 and 2028. The economic model adopted by M&E in 2013 resulted in a reduction exceeding \$330,000 to convention center lease agreements for each of these meetings. ACS official hotel rates will be far below market value in 2025 and 2028.

M&E also voted to recommend to the Board of Directors that the 2021 National Meeting in Boston be relocated to Atlanta, and that Atlanta also be awarded the spring 2026 National Meeting. The Board of Directors approved these sites. The action to relocate the fall 2021 National Meeting from Boston to Atlanta occurred because of the unfavorable financial package offered by the city of Boston.

Due to space restrictions for the fall 2015 National Meeting in Boston, there will be no exemptions from the Even Programming rules.

As part of the continuing sustainability effort by ACS and to encourage the use of the ACS Mobile Application and on-line program, M&E has decided to discontinue free distribution of the hard copy program book starting in 2016. A fee of \$10 per program book for early registration, with onsite pickup during the meeting, will be established, and a \$20 per program book fee will be established for those attendees who wish to purchase a book on-site. 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.

Following the report there was a lengthy discussion on revenue supporting National Meetings and the incremental cost adjustment used in the calculations to determine the Early Member Registration Fee.

8. VOTED to respectfully request that the Board of Directors delay the implementation of the technical meeting additional fee to the meeting registration fee, until the Board presents an analysis (preferably at the Boston National Meeting) of the projected break even fee, including and excluding the net revenue from the National Meeting Exposition.

Divisional Activities (DAC)

**Michael J. Morello**, committee chair, reported that DAC, in partnership with the Committee on International Activities (IAC), continues to develop a plan to help divisions identify, evaluate, and if appropriate, engage international scientists. The ultimate goal is to provide a toolkit for divisions to recognize and successfully pursue international opportunities.

The committee received an update from staff on the Meeting Abstracts Programming System on a number of steps being taken to improve the application's performance.

DAC voted to fund ten Innovative Project Grants (IPG) totaling \$54,000. The committee will consider another set of IPG proposals during the Boston National Meeting in August.

The committee continues to implement a plan designed to permit divisions to share and benefit from one another's best practices.

DAC, M&E, and P&MR continue to collaborate to review, and if necessary, update the Society's policy governing the use of devices to capture and/or disseminate content delivered at national meetings. Recent survey results expressed support for the current policy, but also indicated interest in amending the current policy to permit presenters – at their discretion – to authorize audience members to capture and disseminate content.

#### Local Section Activities (LSAC)

**Martin D. Rudd**, committee chair, recognized the following sections for their anniversaries in 2014: 50<sup>th</sup> – Southern Illinois; 75<sup>th</sup> – Western Maryland; and 100<sup>th</sup> – the Ames and Virginia sections.

Local Section annual reports for 2014 have been completed by 146 of 185 sections. LSAC awarded 15 IPGs totaling \$38,389, and to date has given nine mini-grants of \$300 each to Local Sections that attended the 2015 Leadership Institute to partner with neighboring sections to host an activity that would bring value to all members in a specific geographic region. The committee also reviewed proposals for the Bridging the Gap: Teachers of Chemistry K-12 Nano-Grant, and will fund 16 grants totaling \$4,000.

A preliminary review of the Local Section allotment formula was conducted; LSAC does not anticipate recommending any changes to the formula in 2016.

LSAC is developing a process and communication plan to assist with the annexation of unassigned territories adjacent to multiple sections. Local Sections can expect to receive details about this in the fall.

#### Membership Affairs (MAC)

**James M. Landis**, committee chair, reported that MAC continues to focus on new efforts to recruit and retain members. The past three years had disappointing results as the domestic job market for chemists has stagnated and yet, the Society continues to attract large numbers of new members each year and a growing student and global population.

MAC approved a recommendation from staff to ask individuals who have been receiving the 50 percent Graduate Student Discount for four years or more if they are still graduate students so they can receive the correct dues renewal. The current renewal process does not provide an opportunity for graduate students to change their status after graduation except by contacting ACS Member Services.

The current MAC-approved tests in progress are described and updated in the committee's written in the Council agenda. In cooperation with CAS and ACS Publications, MAC approved an Enterprise Model test to include memberships as part of institutional packages including other Society offerings. These enterprise model packages could be customized for industrial, academic, or government institutions.

In addition, the committee was pleased to endorse ACS President Diane G. Schmidt's matching gift campaign for faculty from the Ph.D.-granting U.S. institutions to give ACS membership as an award to their outstanding students in chemistry. Councilors were invited to participate in the Member-Get-A-Member program and Local Sections were invited to be active in the 2015 President's Challenge.

MAC reviewed the Petition on Preferential Voting and the Petition on Member Expulsion, both up for consideration at this meeting, and voted in favor of both.

#### Economic and Professional Affairs (CEPA)

**William R. Ewing**, committee chair, reported that the results from the *2014 New Graduate Survey* show that the unemployment rate for new graduate chemists has dropped to 12.4 percent from 14.9 percent in the 2013 survey, principally due to more new bachelor degree chemists finding employment. ACS members experienced three successive years of lowered unemployment, which could indicate a positive outlook for chemists in coming years. While unemployment is down, salaries have been stagnant overall.

CEPA received an update on the progress of data collection for the ACS ChemCensus 2015 launched earlier this year. So far 5,000 responses have been received, but many more are needed. The results serve as an important diagnosis on the overall health of the chemistry economy and enterprise. Councilors were encouraged both to participate, and to urge their colleagues to participate in the ACS ChemCensus 2015.

The ACS Career Navigator continues to grow in its branding, print materials, digital campaigns, social media, and blogs. In 2014, the programs, products, and services that comprise the Navigator, reported over 10,000 substantial interactions with ACS members and potential members.

CEPA renewed two career consultants and approved two new career consultants, bringing the total to 70. The ACS Career Fair and the Virtual Career Fair at this meeting featured 23 Career Pathway workshops, 218 mock interviews, and 368 resume reviews.

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

**James C. Carver**, committee chair, reported that last year C&B certified 23 bylaws, the second largest number of bylaws certified in any year. Since the beginning of this year, C&B has certified six bylaws. Since the 2014 fall meeting in San Francisco, C&B has submitted detailed bylaw reviews to 10 Local Sections and five Divisions.

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

The two petitions that are in the Council agenda for consideration at this meeting will be up for action in Boston. Petitioners also have the option to request that Council consider an urgent-action petition.

New petitions to amend the Constitution or Bylaws must be received by the Executive Director by April 29 to be included in the Council agenda for consideration at the fall 2015 meeting in Boston. Petitioners are encouraged to send any draft petition to C&B at least a month before the deadline for initial input.

#### Reports of Other and Joint Board-Council Committees

##### Women Chemists (WCC)

**Amber F. Charlebois**, committee chair, reported that WCC sponsored a symposium highlighting the accomplishments of 10 early-to-mid-career women chemists as the recipients of the Rising Star Award. The committee recognized eight WCC/Eli Lilly Travel awardees as a continuation of the student award program that is aimed at attracting women into the chemical sciences. WCC also congratulated Dr. Angela Wilson, the 2015 recipient of the Francis P. Garvan-John M. Olin medal and keynote speaker at the WCC luncheon.

Members of WCC have been involved as contributing authors and editors for the second edition of the book, "Mom the Chemistry Professor," published by Springer.

WCC, in collaboration with Merck, is developing a new Research Award that will fund the travel for eight female graduate students to present their research at each fall ACS National Meeting.

The Non-Tenure Track Faculty Task Force of the WCC is working on issues affecting non-tenure track faculty, which include a higher percentage of women than tenured and tenure track faculty. Recent efforts included working with ACS groups on how data related to these faculty and instructional staff are collected within Society surveys and reports.

#### Professional Training (CPT)

**Thomas J. Wenzel**, committee chair, reported that CPT evaluated 39 periodic reports from currently approved programs and held conferences with two departments beginning the process of applying for ACS approval. Site visit reports from four programs seeking approval were reviewed and CPT approved three new programs. There are currently 681 colleges and universities offering ACS-approved Bachelor's Degree Programs in chemistry.

The new *2015 ACS Guidelines for Bachelor's Degree Programs* were approved at CPT's winter meeting. The major changes in this edition include increasing the minimum number of faculty from four to five, an expanded requirement for instrument holdings, increased flexibility in the contact hour requirement for faculty and laboratory instructors, increased expectations that programs promote a safety culture, and required coverage in the certified degree of two of the following systems: synthetic polymers, biological macromolecules, supramolecular aggregates, and meso- or nanoscale materials. At this meeting, the committee voted to approve updated versions of the five disciplinary supplements to the ACS Guidelines covering analytical, biochemistry, inorganic, organic, and physical chemistry, which will be published on the ACS website.

The committee devoted a substantial portion of this meeting to reviewing and updating the various forms used to evaluate programs that are applying for approval and to the development of CPT's strategic plan for 2015-17.

A subcommittee discussed strategies to improve the consistency of program reviews as the new guidelines are implemented and the membership of CPT changes.

A progress report was given on the status of the CPT survey of Ph.D. Recipients and the publication of the 9<sup>th</sup> edition of *Planning for Graduate Work in the Chemical Sciences*. The committee finalized plans to meet with the Visiting Associates and Chairs of Ph.D. departments at the ACS fall National Meeting in Boston.

#### International Activities (IAC)

**H. N. Cheng**, committee chair, reported that the committee received, reviewed and approved five-year reports from the international chapters in Hong Kong, Hungary, Malaysia, Romania, Saudi Arabia, and Shanghai. In addition, the committee reviewed and approved new chapter applications initiated by ACS members in Brazil, Nigeria, Peru, and the United Arab Emirates.

IAC received two applications to establish International Chemical Sciences Chapters in India and Taiwan. Both applications have strong local champions and support of their national chemical societies.

9. VOTED, on the recommendation of the Committee on International Activities, with the concurrence of the Council Policy Committee and subject to approval by the ACS Board of Directors, to establish an International Chemical Sciences Chapter in India.

10. VOTED, on the recommendation of the Committee on International Activities, with the concurrence of the Council Policy Committee and subject to approval by the ACS Board of Directors, to establish an International Chemical Sciences Chapter in Taiwan.

#### Environmental Improvement (CEI)

**Laura E. Pence**, committee chair, reported that CEI continues to focus its attention on increasing ACS leadership related to sustainability in the chemistry enterprise, doing much of its best work through establishing partnerships with a wide array of ACS units.

CEI awarded Local Section Sustainability Grants to three Local Sections: the Cornell Local Section, to bring programming on green chemistry and sustainability to the 2015 Northeastern Regional meeting; the Kalamazoo Local Section, to support similar programming at the joint Great Lakes/Central Regional Meeting; and the Midland Local Section, to support a project in collaboration with an organization called Creative 360, which focuses on community food production.

At the Boston National Meeting with the support of the ACS President, CEI will present a debate focusing on the controversies about the best strategies for climate-related mitigation and adaptation. CEI and the Division of Environmental Chemistry have jointly established a project to provide grant support for programming around climate change at regional meetings.

CEI also is supporting a symposium at PacifiChem in December, 2015, through the Division of Industrial and Engineering Chemistry.

The committee continues to review existing ACS policy statements to keep them relevant and to explore emerging areas of interest where the Society can contribute the expertise of its members. CEI approved recommendations to the Board to establish new public policy statements on Hydraulic Fracturing and on Water Treatment and Conservation.

#### Chemistry and Public Affairs (CCPA)

**Susan B. Butts**, committee chair, reported that CCPA works to motivate and inspire ACS member participation in government affairs at both the federal and state levels, encouraging members to visit policymakers in Washington and their home districts, and to contact their legislators through the Act4Chemistry Legislative Action Network.

She shared one example of the power of ACS member engagement: the effort to secure the 2014 National Chemistry Week resolution by the United States Senate, sponsored by Senators Chris Coons (D-Del.) and Pat Toomey (R-Penn.). The extra effort invested by ACS members from the Pittsburgh, Philadelphia, and Lehigh Valley Local Sections that persuaded their respective Senators to ensure that the resolution had bipartisan sponsorship, helped underscore that science is an issue where both parties can come together. Additionally, the door that ACS members opened by each contacting their Senators' office has remained open for ACS staff, who continue to work with Senators on other issues important to the chemistry enterprise.

New Business

Resolution

The Council adopted the following resolution:

BE IT RESOLVED That the Council of the American Chemical Society express to the officers and members of the Colorado Local Section, host Section for the 249<sup>th</sup> National Meeting, the sincere appreciation of the Council and of the entire Society for the cordial hospitality extended to all registrants at this meeting, and that the Council convey special thanks to the divisional program chairs and symposium organizers responsible for the outstanding technical sessions, as well as headquarters staff, for the planning and execution that have assured the success of the 249<sup>th</sup> National Meeting.

There being no further business, the meeting adjourned at 11:25 a.m.

Flint H. Lewis  
Secretary

ELECTION TO  
COMMITTEE ON COMMITTEES

Action Requested. The Committee on Nominations and Elections has selected the following slate of candidates for membership on the Committee on Committees, effective January 1, 2016:

Christopher J. Bannochie	Fran K. Kravitz
Michelle V. Buchanan	Patricia A. Redden
Alan B. Cooper	Carolyn Ribes
Jetty Duffy-Matzner	Sharon P. Shoemaker
Donna G. Friedman	Julianne M. D. Smist
Lynn G. Hartshorn	Stephanie J. Watson

The Council must elect six individuals. The five candidates receiving the highest numbers of votes will be declared elected for the 2016-2018 term, and the candidate receiving the sixth highest vote will be declared elected for the remainder of the 2016-2017 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are summarized at the end of the item.

Supplementary Information:

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

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

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

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

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

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

Members of ConC must be voting Councilors.

Those members of the Committee of Committees whose terms end on December 31, 2015 are:

G. Bryan Balazs, California Section  
Christopher J. Bannochie, Savannah River Section  
Dawn A. Brooks, Indiana Section  
Michelle V. Buchanan, Analytical Chemistry (East Tennessee Section)  
Alan B. Cooper, North Jersey Section  
Judith Currano, Bylaw

G. Bryan Balazs, Dawn A. Brooks, and Judith Currano are ineligible for reelection.

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

2014-2016

Janet Bryant, Business Development & Management (Richland Section)  
Dee Ann Casteel, Susquehanna Valley Section  
Amber S. Hinkle, Greater Houston Section  
Wayne E. Jones, Jr., Binghamton Section  
V. Michael Mautino, Pittsburgh Section

2015-2017

Mitchell R.M. Bruce, Maine Section  
Bonnie Lawlor, Chemical Information (Philadelphia Section)  
Zaida C. Morales-Martinez, South Florida Section  
Robert A. Pribush, Indiana Section

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**BANNOCHIE, CHRISTOPHER J.** *Savannah River Section.* Savannah River National Laboratory, Aiken, South Carolina.

**Academic Record:** St. John's University, B.A. *Cum Laude*, 1984; Texas A&M University, Ph.D., 1989.

**Honors:** ACS Fellow, 2009; ACS, Division of Professional Relations Louis J. Sacco Award, 2014; ACS, E. Ann Nalley Southeastern Regional Award for Volunteer Service, 2012; ACS, Savannah River Section Salute to Excellence Award, 2006; ACS, Stanley C. Israel Regional Award for Promoting Diversity in the Chemical Sciences, 2005; National Organization of Gay and Lesbian Scientists and Technical Professionals, Walt Westman Award, 2007; George Westinghouse Signature Award, 1992; Sigma Xi; Phi Lambda Upsilon.

**Professional Positions** (for the past ten years): Savannah River National Laboratory (operated by Savannah River Nuclear Solutions, LLC), Fellow, 1991 to date.

**Service in ACS National Offices:** Committee on Committees, 2013-15; Committee on Science, 2008-13; Committee Associate, 2007; Awards Committee, 2012-14; Diversity & Inclusion Advisory Board, 2011; Committee on Meetings and Expositions, Consultant, 2008-10; Committee on Economic and Professional Affairs, 2001-06, 1996-99.

**Service in ACS Offices:** Member ACS since 1984. *Savannah River Section:* Councilor, 1996-16, Chair, 1993-94, Chair-Elect, 1993; Archivist, 2001-12; Government Affairs Committee Chair, 2007-09; Newsletter Editor, 1995-98; Public Outreach Officer, 1992. *Southeastern Regional Meeting, Inc:* Executive Committee, 2013-15, 2005-10; Chair, 2014, 2009; Chair-Elect, 2013, 2008. *58th Southeastern Regional Meeting:* General Co-Chair, 2017-18; General Chair, 2005-06. *Division of Professional Relations:* Chair, 2011; Chair-Elect, 2010; Secretary, 2009; Treasurer, 2003-08; Program Chair, 2007-08; Member-At-Large, 2013-16, 2002. *PACIFICHEM 2015, 2010, ACS Topical Program Advisor.*

**Member:** National Organization of Gay and Lesbian Scientists and Technical Professionals, Board of Directors, 2009-16, Out to Innovate 2014, Co-Chair; Leadership Augusta, Class of 2004, Board of Directors, 2005;

Savannah River Site Gay, Lesbian, or Bisexual Employees and Allies Association, President, 2009-15, 2003; American Association for the Advancement of Science. *ACS Divisions*: Industrial and Engineering Chemistry; Nuclear Chemistry; and Professional Relations.

**Related Activities:** Lawrence Livermore National Laboratory (operated by the University of California), Visiting Scientist, 1998-01; Open Chemistry Collaborative in Diversity Equity (OXIDE) Advisory Board, 2014-16; CEPA Subcommittee on Public Policy, Chair, 2001-06, CEPA Subcommittee on Professional Services and Programs, Chair, 1998-99; Washington University, School of Medicine, Research Associate, 1989-91; Morris Museum of Art, Board of Directors, 2010; Augusta Pride, Inc., Board of Directors, 2010-13.

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**BUCHANAN, MICHELLE V.** *Division of Analytical Chemistry (East Tennessee Section)* Oak Ridge National Laboratory, Oak Ridge, Tennessee.

**Academic Record:** University of Kansas, M.S., 1973; University of Wisconsin, Madison, Ph.D., 1978.

**Honors:** ACS Fellow, 2010; AAAS Fellow, 2015; Hall Lecturer, Vanderbilt University, 2008; Knoxville YWCA, Science & Technology Award, 2003; UT-Battelle Excellence Award, 2002; UT-Battelle Leadership Award, 2000; ORNL, Technical Achievement Award, 1993, 1989, 1985; YWCA Outstanding Contribution to Science & Technology, 1998; McElvain Lecturer, University of Wisconsin, 1990; American Women in Science Technical Award (East Tennessee Chapter), 1988; IR-100 Award, 1986.

**Professional Positions** (for past ten years): Oak Ridge National Laboratory, Associate Laboratory Director, Physical Sciences, 2004 to date; Director, Chemical Sciences Division, 2000-04.

**Service in ACS National Offices:** Committee on Committees, 2013-15; Committee on Minority Affairs, 2013-15; Senior Chemists Committee, 2014-15; Committee on Divisional Activities, 2012-13, Committee Associate, 2011; Committee on International Activities, 2007-09; Editorial Board, *Analytical Chemistry*, 1991-93.

**Service in ACS Offices:** Member ACS since 1975. *Analytical Chemistry Division*: Councilor, 2009-17; Alternate Councilor, 2000-02; Treasurer, 1995-98. *East Tennessee Section*: Chair, 1995; Chair-Elect and Program Chair, 1994.

**Member:** American Association for the Advancement of Science; American Society for Mass Spectrometry; Sigma Xi; Alpha Chi Sigma. *ACS Division*: Analytical Chemistry.

**Related Activities:** Dallas 2014 ACS Spring National Meeting, Technical Organizer; NAS Board on Chemical Sciences and Technology, 2014 to date; NSF Mathematics and Physical Sciences Advisory Committee (MPSAC) Subcommittee on Food Security, Chair, 2014; NRC Chemical Science Roundtable, 2003-05; Co-Chair on DOE Basic Energy Sciences Workshops on Hydrogen, 2002, Electrical Energy Storage, 2007 and Carbon Capture, 2010; Associate Editor, *Biological Mass Spectrometry*, 1990-95; American Society for Mass Spectrometry, Treasurer, 1988-90. *Editorial Boards*: *Journal of Mass Spectrometry*, 1995-2000; *Biological and Environmental Mass Spectrometry*, 1986-90; *Organic Mass Spectrometry*, 1989-94; *Fresenius Journal of Analytical Chemistry*, 1998-2000. *Advisory Boards*: Cornell University

EMC<sup>2</sup> Center, 2010-14; University of North Carolina EFRC, 2010-14; University of Wisconsin Department of Chemistry Board of Advisors, 2011 to date; Argonne Advanced Photon Source, 2007-10; Vanderbilt University Committee of Visitors, 2006-12; Sandia Biotechnology Council, 2004-05; University of Tennessee Department of Chemistry Board of Visitors, 2000 to date; National High Field Magnet Laboratory, 1999-2001; Boston University School of Medicine NIH Mass Spectrometry Center, 1997-2010; National Institute of Justice, 1995-97; NSF Center for High Field FTICR at Florida State, 1994-2000.

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**COOPER, ALAN B. *North Jersey Section.*** Merck (Retired), Montclair State University, Montclair, New Jersey.

**Academic Record:** Rutgers University, B.S., 1973; M.S., 1977; Ph.D., 1984.

**Honors:** ACS Fellow, 2010; E. Ann Nalley Regional Award for Volunteer Service to ACS, 2010; Schering-Plough Research Institute Presidents Award for Outstanding Scientific and Technical Achievement, 1988.

**Professional Positions** (for past ten years): Montclair State University, Adjunct Professor, 2012 to date; Retired, Merck Research Labs, 2011 to date, Research Fellow, 2009-11; Schering-Plough Research Institute, Research Fellow, 2003-09.

**Service in ACS National Office:** Committee on Committees, 2013-15; Committee on Local Section Activities, 2013-15, 2003-08; Canvassing Committee, George and Christine Sosnovsky Award for Cancer Research, 2014-15; Canvassing Committee, Earle B. Barnes Award for Leadership in Chemical Research Management, 2013 to date; Task Force on Financial Goals for National Meetings & Expositions, 2013; Committee Associate, 2002; Committee on Analytical Reagents, 2013-15; Committee on Meetings and Expositions, 2009-12; Committee on Divisional Activities, 1996-01; Task Force on Local Section/Division Interactions, 2002-04.

**Service in ACS Offices:** Member ACS since 1974. *North Jersey Section:* Councilor 1995-17; Program Chair, 2013-15; Chair, 1998, Chair-Elect, 1997; Professional Relations Committee, Chair, 2006; Finance Committee, 1999-06; Executive Committee, 1997-08; Program Planning Committee, Chair, 1999-08; National ACS Award for Team Innovation, 2001-02; Lifetime Achievement Award Subcommittee, 1998; Website Committee Chair, 2000 to date; Nominating Committee Member, 2000-05, Chair, 2000; *Indicator* Committee, 1999-03; Planning Committee, 1998 to date; Baekeland Award Jury, Foremen, 1997; “*From Bench to Pilot Plant Symposium*,” Organizing Committee, 2000, 1997-98; Topical Group Planning Committee, Chair, 1996 to date; Organic Topical Group, Chair, 1995. *Middle Atlantic Regional Meeting (MARM):* Councilor Caucus, Chair, 2010 to date; General Co-Chair, 2005; Alternate Delegate, 2005 to date; Program Chair, 1999.

**Member:** American Association for the Advancement of Science; New York Academy of Science. **ACS Divisions:** Medicinal Chemistry; and Organic Chemistry.

**Related Activities:** LSAC-DAC Joint Subcommittee, 2004-08, Co-Chair, 2006-08; Medicinal Chemistry Division, Session Chair, 2005 ACS Spring National Meeting (“Targeting Kinase Inhibition for Cancer Therapy”; Montclair State University Visiting Committee Chair, 1999; Chemistry Olympics Judge (New Jersey Institute of Technology and North Jersey Section), 1999-07; Poster Session Judge at New York Academy of Sciences/ACS New York Section Annual Chemistry Graduate Poster Session, 1997; 46 publications & presentations and 61 patents and patent applications.

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

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

**Honors:** Salutes to Excellence Award, ACS, 2004; Vernon and Mildred Niebuhr Faculty Excellence Award for Teaching, Augustana College, 2011; GenCorp/Aero-jet Blue-sky Technical Achievement Award, 1993; University of California, Davis, Chancellor's Teacher Fellow, 1991-92; American Institute of Chemists Student Research and Recognition Foundation Awardee, 1986.

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

**Service in ACS National Offices:** Committee on Meetings and Expositions, 2013-15, Committee Associate, 2011-12; Committee on Local Section Activities, 2004-10; Advisory Board for Speaker Service, Speaker, 2002-09, Chair, 2005-09.

**Service in ACS Offices:** Member ACS since 1992. *Sioux Valley Section:* Councilor, 2003-16; Chair, 2011, 2001-03; Chair-Elect, 2000; Webmaster, 2006-15; National Chemistry Week Coordinator, 2001-11; Chemists Celebrate Earth Day Coordinator, 2004-15; Faculty mentor for Student Affiliates (Members) ACS, 2000-12. *Midwest Regional Meeting:* Board, 2003-15; Awards Committee, Chair, 2008-15.

**Member:** Graduate Women in Science. *ACS Divisions:* Chemical Education; and Organic Chemistry.

**Related Activities:** MAPS (Meetings Abstracts Programming Systems) Advisory Group ACS, 2014; Steering Committee for ACS Regional & National Meeting Registration & Planning, 2013-14; Working Group, ACS Policies Affecting Streaming & Recording of National Meetings, 2012-13; Diagnostic of Undergraduate Chemistry Knowledge (DUCK) Committee for the ACS Examinations Institute, Division of Chemical Education, 2013, 2011; First Term Organic Chemistry Examination Committee for the ACS Examinations Institute, Division of Chemical Education, 2010, 2006; General Chemistry Examination Committee for the ACS Examinations Institute, Division of Chemical Education, 2006; Moderator for 11<sup>th</sup> Boe Forum Event (Center of Western Studies, SD) with Vice President Al Gore, 2007; Keynote Speaker Convocation Ceremony, Augustana College, 2011; Panelist for proposed National Underground Science Lab, Lead, South Dakota, 2001; State University of New York, Cortland, Lecturer, 1998-99; University of California, Davis (UCD), Lecturer, 1994-97; KNECT/UCD, Research Chemist, 1994-96; GenCorp/Aerojet, Sacramento, California, Senior Chemist, 1992-94; State of Idaho Department of Health and Welfare, Forensic Section, Research Associate, 1986-87; Research Assistant, Boise State University; Department of Idaho, U.S. Fish and Wildlife, 1985-87; Editor, ACS Symposium Text (1108) "Advances in Teaching Organic Chemistry". Author of 10 journal publications, 1 patent, 2 book chapters, and 45 published research abstracts in the areas of chemical education and organic synthesis.

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**FRIEDMAN, Donna G.** *St. Louis Section.* St. Louis Community College at Florissant Valley, St. Louis, Missouri.

**Academic Record:** State University College of New York at Buffalo, B.A., 1973; University of Missouri – St. Louis, Ph.D., 1979.

**Honors:** ACS Fellow, 2012; Distinguished Service Award, ACS Committee on Technician Affairs, 2010; Distinguished Service Award, St. Louis Section, ACS, 2003; Ohio State University Postdoctoral Fellow, 1979.

**Professional Positions** (for past ten years): St. Louis Community College at Florissant Valley, Professor and Chair of Chemistry, 1989 to date; Lecturer, Washington University in St. Louis, 2008-10; Adjunct Professor, Fontbonne University, 2006-07.

**Service in ACS National Offices:** Committee on Budget and Finance, 2015-17; Council Policy Committee, (Nonvoting), 2014; Committee on Constitution and Bylaws, 2009-14, 1995-2000, Chair, 2014, Committee Associate, 2008, 1994; SOCED Task Force to revise the *ACS Guidelines for Chemistry in Two Year College Programs*, 2013 to date; Career Consultant, 2006-11; Committee on Membership Affairs, 2003-08, Committee Associate, 2001-02; Committee on Technician Affairs, Committee Associate, 2006-07, 1992-94, 1991.

**Service in ACS Offices:** Member ACS since 1975. *St. Louis Section*: Councilor, 1994-2017; Audit Committee Chair, 1996 to date; Chemical Bond Business Manager, 1999 to date, 1983-85; Bylaws Committee Chair, 2009-11, 1993-94; Parliamentarian, 2002-05; Undergraduate Research Symposium Chair, 2011, 2005; Investment Trustee, 1999-2004; Science Fair Subcommittee Chair, 1995, 1992; Director, 1993; Chair-Elect, 1991; National Chemistry Week Coordinator, 1994, 1991; College Awards Subcommittee Chair, 1989-90; Awards Committee Chair, 1988; Treasurer, 1986-87. *Chemical Technicians Division*: Treasurer, 2007-09; Chemical Technology Approval Service, 2008-09; Bylaws Committee Chair and Parliamentarian, 2003-06; Education Committee Chair, 1994-96. *District V Councilor Caucus*: Secretary 1997-2002.

**Member:** ACS Divisions: Chemical Education; Chemistry & the Law; and Industrial & Engineering Chemistry.

**Related Activities:** Faculty Advisor for the ACS Student Chapter at St. Louis Community College at Florissant Valley, 2009-14; published two instructor's resource manuals, one solutions manual, one study guide, seven journal articles; holds one patent.

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**HARTSHORN, LYNN G., Minnesota Section.** (Retired) University of St. Thomas, St Paul, Minnesota.

**Academic Record:** Exeter University, U.K., B.S., 1964; Ph.D., 1973.

**Honors:** Minnesota Section Volunteer Service Award, ACS, 2015; Aquinas Scholars Professor of the Year, University of St Thomas, 2000; Commendation from Governor of Minnesota for work in Science Education, 1999; Iota Sigma Pi; Sigma Delta Epsilon.

**Professional Positions** (for past ten years): Retired 2011 to date, University of St. Thomas, Associate Professor, 1984-2010.

**Service in ACS National Offices:** Senior Chemists Committee, 2014-16, Newsletter Editor 2011-16; Committee on Local Section Activities, 2002-07, Committee Associate, 2000-01; Committee on Meetings and Expositions, 2008-15, Committee Associate, 2007; Chair of Regional Meetings Subcommittee 2009-2015.

**Service in ACS Offices:** Member ACS since 1985. *Minnesota Section*: Councilor, 1999-2016; Chair, 2000-01; Chair-Elect, 1998-2000; Education Chair 1989-99; Non-Officer Volunteer, 2014.

**Related Activities:** National Science Teachers' Association, Local Arrangements Chair for 2003 and 2009 Conferences; Minnesota Science Teachers' Association; Minnesota Academy of Science, 1989-94 and Chair of Student Activities; Girl Scout Troop Leader Science Trainer; Judge at State and Local Science

Fairs, 1990-2015; Science Teacher Mentoring, 1995-2005; Teacher Research Group of SciMath Minnesota, 1995-2005; Event Coordinator for Minnesota Science Olympiad, 1995-2007; Grants received for Science Education Research, 1998-2007; National Science Foundation, Science Education Grant for faculty pedagogical training, 2008; Eisenhower Grants for Teacher Science Workshops, 1987-97.

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**KRAVITZ, FRAN K.** *Chicago Section.* The STEM Wizards, Winfield, Illinois.

**Academic Record:** Northern Illinois University, B.S., 1976; Roosevelt University, M.S., 1988.

**Honors:** ACS, Chicago Section Outreach Volunteer of the Year, 2015; ACS, Chicago Section, Distinguished Service Award, 1997; Boy Scouts of America District Award of Merit, 2007; Chicago Association of Technological Society Merit Award, 1993; Sigma Xi.

**Professional Positions** (for past ten years): The STEM Wizards, Education, CEO 2015 to date; Kravitz/Edelman School, Educational Consultant, 1999 to 2015; Nalco Chemical Company, Senior Chemist, 1990-94.

**Service in ACS National Offices:** Committee on Local Section Activities, 2011-12, Committee Associate, 2015, 2010; Committee on Economic and Professional Affairs, 2002-07, 1994-96, Committee Associate, 2001; Committee on Membership Affairs, Committee Associate, 1992; Committee on Project SEED, Committee Associate, 2008-09; Committee on Professional Relations, Committee Associate, 1993.

**Service in ACS Offices:** Member ACS since 1981. *Chicago Section:* Councilor, 2014-16, 1992-2012; Alternate Councilor, 1989-91; Chair, 1990-91; Chair-Elect, 1989-90; Secretary, 1987-89; Director, 2011-14, 2005-09, 1994-2003, 1986-87; Budget Director, 2002-15; Primary Education Chair, 1991-2015; Boy Scout of America Chemistry Merit Badge Program Coordinator, 2006-15; Marie S. Curie Girl Scout Chemistry Patch Program Coordinator, 2011-15; Illinois Sections of the ACS State Fair Project Co-Chair, 2014-15; 2004-12; Office Affairs Chair, 2002-04; Host Committee National ACS Meeting Co-Chair, 2000-01; National Chemistry Week, 1999-2015; Endowment Chair, 1997-2000; Employment Chair, 1993-94; Newsletter Editor, 2014, 1991-2000; Distinguished Service Award Committee, 2014, 1991-2003, Chair, 2001-03; National Affairs Chair, 1991-92; Program Chair, 1988-89; Gibbs Arrangement Committee, 1993-94, 1987-88, Chair, 1993-94; Special Events Chair, 1987; Nominating Committee, 2005-06, 2003, 2001, 1994, 1987-88; Continuing Education, 1985-94, Chair, 1985-87; Membership Affairs Committee, 1983-84; Minuteman, 1983-94; Hospitality Committee, 2002-04, 1983-86, Chair 2002-04; Younger Chemists Topical Group, 1983-88; Tellers, 2001-12, 1985-88, 1981, Chair 2002, 1985. *Great Lakes Regional Meeting:* Fundraising Chair, 2007-09. *District V Caucus:* Secretary, 1997-98. *Professional Relations Division:* Chair, 2005; Chair-Elect, 2004.

**Member:** American Association for the Advancement of Science; American Association University Women; International Union of Pure and Applied Chemistry; Chicago Chemists Club; Federation of Societies for Coatings Technology; National Science Teachers Association. *ACS Divisions:* Chemical Education; Organic Chemistry; Polymer Chemistry; Polymeric Materials Science & Engineering; and Professional Relations.

**Related Activities:** ACS Career Workshop Presenter, 2009 to date; ACS Career Consultant, 1995 to date; Ada S. McKinley, Board of Directors, 2006 to date; Chanonee District of Three Fires Council Boy Scouts of America, 2000 to date; Roosevelt University Alumni Board, 2001-08; Christopher Columbus Awards, Semi-Finalist Judge, 1998-2014; DuPage County Girl Scouts Science Coordinator, 1993-96; Chicago Chemists Club, President, 1997-98, 1990-01; holds five patents in polymer chemistry

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**REDDEN, PATRICIA A. *New York Section.*** St. Peter's University, Jersey City, New Jersey.

**Academic Record:** Cabrini College, B.S., 1962; Fordham University, Ph.D., 1968.

**Honors:** ACS Fellow, 2011; Division of Chemical Health and Safety Fellow, 2001; Outstanding Service Award, New York Section, ACS, 1993; Tillmans-Skolnik Award, Division of Chemical Health and Safety, ACS, 1991; Distinguished Service Award, Rockland Chemical Society, 1993; Phi Lambda Upsilon; Alpha Sigma Nu; Beta Beta Beta; Gamma Sigma Epsilon.

**Professional Positions** (for past ten years): St. Peter's University, Professor, 1980 to date; Department Chair, 1978-2013; Associate Professor, 1973-80; Assistant Professor, 1968-73.

**Service in ACS National Offices:** Committee on Chemists with Disabilities, Committee Associate, 2015; Committee on Chemical Safety, 2006-14, 1985-93; Committee Associate, 2003-05, 1984; Committee on Environmental Improvement, 2000-02, Committee Associate, 1997-99; Committee on Economic and Professional Affairs, 1995-96; Committee on Chemistry and Public Affairs, Committee Associate, 1994.

**Service in ACS Offices:** Member ACS since 1965. *New York Section:* Councilor, 2011-16, 2006-08, 1983-04; Alternate Councilor, 2010, 1992; Past Chair, 1994; Chair, 1993; Chair-Elect, 1992; Board of Directors, 1983 to date. *Hudson-Bergen Subsection:* Chair, 1981; Chair-Elect, 1980; Treasurer 1986-91; Secretary, 1977-78; Board of Directors, 1977-2010. *Chemical Health & Safety Division:* Chair, 1988-89; Chair-Elect, 1987-88; Program Chair, 1986-88; Board of Directors, Member-at-Large 1985-90. *ACS Divisions:* Chemical Education; and Chemical Health & Safety.

**Related Activities:** New York University Institute of Fine Arts; Conservation Center, Scholar-in-Residence, 1986; University College, Cork, Ireland, Research Associate, 1972-73.

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

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

**Honors:** ACS Fellow 2014; 2011 Distinguished Woman in Chemistry/Chemical Engineering (2011 IYC Project); Phi Beta Kappa.

**Professional Positions** (for past ten years): The Dow Chemical Company: *Terneuzen, Netherlands*, Analytical Technology Center, Business Analytical Leader, 2009 to date; Analytical Sciences, R&D, Technical Leader, 2006-09; *Freeport, Texas*, Analytical Sciences, R&D; Technical Leader, 2001-06.

**Service in ACS National Offices:** Council Policy Committee, 2010-15, Vice Chair, 2011-13; Committee on Science, 2006-09, Chair, 2007-09; Women Chemists Committee, 2000-05, Chair, 2003-05, Committee Associate, 1999; Younger Chemists Committee, 1995-98, Chair, 1997-98, Committee Associate, 1994; PROGRESS Steering Team, 2002-05; International Strategy Implementation Group, 2008; Board Committee on Planning, 2010-15; Joint Subcommittee on Diversity, Chair, 2006-07; Sustainability Stakeholders Steering Group, 2009-10.

**Service in ACS Offices:** Member ACS since 1983. *Brazosport Section:* Councilor, 2006-17, Alternate Councilor, 2000-05. *Baton Rouge Section:* Alternate Councilor, 1997, Chair, 1992, Chair-Elect, 1991. *Analytical Chemistry Division:* Treasurer, 1999-2004.

**Member:** International Union of Pure and Applied Chemistry; Iota Sigma Pi. *ACS Divisions:* Analytical Chemistry; and Professional Relations.

**Related Activities:** Secretary, Committee on Chemistry and Industry, IUPAC, 2014-15; US National Committee for International Union of Pure and Applied Chemistry, 2004-12; Chair, 2010-11; US Representative to IUPAC Committee on Chemistry and Industry, 2007-12; Symposia Organizer for ACS National Meetings: Transforming University-Industry Partnerships for an Innovative Future, August 2015; Quality and Analytical Chemistry, August 2012; Workshop on Interpersonal Communication Styles, August 1998 and April 2001; Process Analytical Chemistry, 2001; Workshop on Communicating Science to Non-scientists, March 1999; Quality in the Chemical Industry, Fall, 1995; Ethics, Spring 1996; Industrial Careers, Fall, 1996; Strategies for Success in 2020, Fall 1997; Sustainability Engagement Event Chair, 2010.

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**SHOEMAKER, SHARON P.** *Division of Biochemical Technology (Sacramento Section)*. California Institute of Food & Agricultural Research, University of California, Davis, California.

**Academic Record:** Virginia Technical Institute, B.S., 1970, M.S., 1973; Ph.D., 1976.

**Honors:** Phoenix Award for Public Outreach, Sacramento Section, ACS, 1996; James M. VanLanen Distinguished Service Award, Division of Biochemical Technology, ACS, 1991; Almond Board of California Recognition Award, 2010; Friendship Award, Chinese Institute of Food Science and Technology, 2008; Charles D. Scott Award for Biotechnology Research Applied to Production of Fuels and Chemicals, 2002; DOE Industries of the Future Valued Partner in Food and Agriculture, 1999; Invited signaturee for original DOE Compact on "Plant Crop-based Renewables", 1998; Woman Leader Alumni Award, Virginia Tech, 1996; Sigma Xi; Distinguished Service Award, Biotechnology Secretariat, 1988; Wallenburg Award Lecturer, Faulin, Sweden, 1985.

**Professional Positions** (for past 10 years): University of California, Davis, Founder and Executive Director/Academic Administrator, California Institute of Food & Agricultural Research, 1991 to date; Site Director, National Science Foundation Center for Advanced Processing and Packaging Studies, 1994-04. Energy Institute, Associate Director, 2009-14. DOE, BioEnergy Science Center (Oak Ridge), Scientific Advisory Board, 2007-15, Chair; 2007-12. USDA, Cranberry Marketing Committee, Public Member, 2003-06. University of California, Berkeley, Forest Products Laboratory, Research Leader Biochemistry Processing, 1995-03. Zhejiang University, Hangzhou, China, Visiting Professor, 2003 to date.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2007-12; Council Policy Committee (Voting), 2002-05; Committee on International Activities, 2009; Committee on Science, 1994-02, Committee Associate, 1992-93; Committee on Divisional Activities, 2001-03, Committee Associate, 2006, 2000; Advisory Board, *Journal of Agricultural & Food Chemistry*, 1999 to date; Advisory Board, *Biotechnology Progress*, 1990-99.

**Service in ACS Offices:** Member ACS since 1975. *Division of Biochemical Technology*: Councilor, 1999-16; Chair, 1996, 1987-88; Chair-Elect, 1995, 1986-87; Secretary-Treasurer, 1983-86; Alternate Councilor, 1981-83; Awards Committee Chair, 1996, 1988-89. *Biotechnology Secretariat*: Program Chair, 1987; General Secretary, 1988-89. *Sacramento Section*: Alternate Councilor, 1998-99; Chair, 1994; Chair-Elect, 1993. *Western Regional Meeting*: General Chair, 1993-94. *District VI Divisional Councilors' Caucus*: Secretary, 2008-09. *District VI Divisional Officers' and Divisional Councilors' Caucus*: Secretary, 2009-15.

**Member:** Institute of Food Technology; Society of Industrial Microbiology. **ACS Divisions:** Agricultural & Food Chemistry; Biochemical Technology; Carbohydrate Chemistry; Cellulose & Renewable Materials; and Environmental Chemistry.

**Related Activities:** Founding Steering Committee Member, Global Action Platform, 2013 to date; Partner, Global HealthShare® Initiative, 2008 to date; Organizing Committee Member, Chinese Institute of Food Technology-IFT Food Summit, 2001 to date; Executive Committee, College of Agriculture and Environmental Sciences, University of California, Davis, 2001-06; Explorit Science Center, Trustee, 1999-08; International House, Davis, Board Member, 1998-2005, President, 2002-04; Rotary International, 1998 to date; Genencor International, Staff Scientist, 1985-91.

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

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

**Honors:** Outstanding Graduating Senior 1972 Connecticut Valley Local Section, ACS; Gerbrich Fellow, University of Connecticut, 1996; Beta Beta Beta Biological National Honor Society, Honorary Member.

**Professional Positions** (for past ten years): Springfield College, Chair, Biology/Chemistry Department 2013 to date; Professor of Chemistry, 2004 to date; Associate Professor, 1996-03; Assistant Professor, 1988-96; Instructor, 1981-88.

**Service in ACS National Offices:** Committee on Divisional Activities, 2011-15, Committee Associate, 2010; Committee on Meetings and Expositions, 2002-07, Committee Associate, 2001.

**Service in ACS Offices:** Member ACS since 1972. *Connecticut Valley Section:* Councilor, 2000-17; Chair, 1989; Chair-Elect, 1988; Associate Secretary, 1984-87. *Division of Chemical Education:* Program Chair, 2008-10. *Northeast Regional Meeting:* General Chair 2009. *Northeast Region:* NERACS, Inc., Board Chair, 2005-13.

**Member:** American Association for the Advancement of Science; National Science Teachers Association; New England Association of Chemistry Teachers. *ACS Division:* Chemical Education.

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

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**WATSON, STEPHANIE J.** *Maryland Section.* National Institute of Standards and Technology (NIST), Gaithersburg, MD.

**Academic Record:** College of Wooster, B.A., 1989; University of Pittsburgh, Ph.D., 1997.

**Professional Positions** (for past ten years): NIST, Engineering Laboratory, Polymeric Materials Group Leader, 2014 to date; Research Chemist, 2002-14.

**Service in ACS National Offices:** Committee on Local Section Activities, 2010-15, Committee Associate, 2009.

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**Service in ACS Offices:** Member ACS since 1989. *Maryland Section:* Councilor, 2007-17; Chair-Elect, 2015, 2005; Chair, 2007; Vice-Chair, 2006; Secretary, 2002-04. *Middle Atlantic Regional Meeting:* General Co-Chair, 2012.

**Member:** Sigma Xi.

**Related Activities:** Millennium Inorganic Chemistry (Cristal Global), Senior Scientist, 1998-2002.

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ELECTION TO  
COUNCIL POLICY COMMITTEE

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

John R. Berg	Lisa Houston
Frank D. Blum	Lee H. Latimer
Mary K. Carroll	Doris I. Lewis
Dwight W. Chasar	Barbara P. Sitzman

The Council must elect four individuals: The four candidates receiving the highest numbers of votes will be declared elected for the 2016-2018 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are presented in summary form at the end of this item.

Supplementary Information:

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

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

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

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

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

Members of CPC must be voting Councilors.

Those members of the Council Policy Committee whose terms end on December 31, 2015, are as follows:

Frank D. Blum, Polymer Chemistry (Oklahoma Section)  
Mary K. Carroll, Eastern New York Section  
Lee H. Latimer, California Section  
Carolyn Ribes, Brazosport Section

Carolyn Ribes is ineligible for reelection.

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

2014 - 2016

Harmon B. Abrahamson, Red River Valley Section  
Alan M. Ehrlich, Chemistry & the Law (Chemical Society of Washington Section)  
Andrea B. Twiss-Brooks, Chemical Information (Chicago Section)  
Angela K. Wilson, Physical Chemistry (Dallas –Fort Worth Section)

2015- 2017

Lawrence Barton, St. Louis Section  
Lynne P. Greenblatt, Professional Relations (Princeton Section)  
Peter C. Jurs, Computers in Chemistry (Central Pennsylvania Section)  
Linette M. Watkins, Professional Relations (Virginia Section)

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**BERG, JOHN R. *Sacramento Section.*** (Retired) University of California, Davis, California.

**Academic Record:** University of California, Berkeley, B.S., Chemistry, 1967; Columbia University, NYC, M.A., Organic Chemistry, 1968; University of California, Davis, Ph.D., Inorganic Chemistry, 1982.

**Professional Positions** (for past ten years): Retired 2012 to date, University of California, Davis; Laboratory Manager, Department of Chemistry, Instrumentation Management and Maintenance, 2002-12.

**Service in ACS National Offices:** Committee on Economic and Professional Affairs, 2011-15, Committee Associate, 2010; Committee on Environmental Improvement, Committee Associate, 2009-10.

**Service in ACS Offices:** Member ACS since 1966. *Sacramento Section:* Councilor, 2008-16; Webmaster, 2006-15. *Western Regional Meeting:* Webmaster, 2004.

**Member:** City of Davis Bicycling, Transportation, and Street Safety Commission, Chair.

**Related Activities:** University of California, Davis, Instruction and Consultation with multiple campus groups, service on Academic Federation Committees, 2003-12; Varian Instruments 1974-2002, Manufacturing, Marketing, Technical Training, Research, and Product Development; Manager of Gas Chromatography Research; Presentations at multiple Pittsburgh Conferences and a number of International Capillary Symposia, as well as conferences in China and Brazil; holds two patents;

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

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

**Honors:** Special Service Award, ACS Polymer Division, 2010; Fellow ACS Polymer Division, 2010; ACS Fellow, 2009; Special Service Award, ACS Polymer Division, 2002; Distinguished Service Award, ACS Polymer Division, 2002; Regents' Professorship, Oklahoma State University, 2011; Outstanding Graduate Alumni Award, Eastern Illinois University, 2011; Harrison I. Bartlett Chair, Oklahoma State University, 2009; Clarence J. Karcher Lecturer, University of Oklahoma, 2004; Jefferson Smurfit Lecturer, University College Dublin, Dublin, Ireland, 2002; Distinguished Alumni Award, Eastern Illinois University, 2001.

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

**Service in ACS National Office:** Council Policy Committee, (Voting), 2013-15; Committee on Nominations and Elections, 2005-10, Chair, 2009-10; Committee on Budget and Finance, Committee Associate, 2012, 2003-04; Younger Chemists Committee, Consultant, 2012; Committee on Divisional Activities, 1999-02, Chair, 2000-02, Committee Associate, 2003; Council Policy Committee (Nonvoting), 2000-02; Committee on Publications, 1997-01, Consultant, 2007, Committee Associate, 2002; Advisory Board for Industrial Relations, 2000-01; Advisory Board, Office of Technical Programming and Conferences, 2000-01; Task Force on Division and Local Section Allocation and Representation, 2003, 2000; Presidential Task Force on Bylaw Changes for Division and Local Section Support, 2001-02; Presidential Task Force on Electronic Council Communications, 2001; Canvassing Committee, Award for Volunteer Service to the ACS, 2003-05; Oversight Committee for ACS Fellows 2010-12; Canvassing Committee, ACS Award in Applied Polymer Science, 1992-95, Chair, 1994-95.

**Service in ACS Offices:** Member ACS since 1976. *Division of Polymer Chemistry*: Councilor: 2011-13; Chair, 1999; Chair-Elect, 1998; Vice-Chair, 1997; Secretary, 1990-95; Webmaster, 1995-10; POLY e-list manager, 1993 to date. *Polymer Preprints*, Assistant Editor, 1986-90. *South Central Missouri Section*: Councilor, 1988-10. *Materials Secretariat*: Secretary General, 1996-97. *Midwest Regional Meeting*: Program Chair, 1997.

**Member:** MASUA Chemistry Chairs Group, North American Thermal Analysis Society. *ACS Divisions*: Colloid and Surface Chemistry; Polymer Chemistry; and Polymeric Materials: Science and Engineering.

**Related Activities:** Joint CPC-N&E Working Group on Electronic Voting at Council, 2008; University of Missouri Research Board, Member, 2006-08; President, President-Elect, Secretary, Parliamentarian, University of Missouri-Rolla Academic Council, 2004-08; Chair, Graduate Council and Graduate Faculty (UMR), 1994-96; *Visiting Professor*, Physical Chemistry 1, Lund University, Lund, Sweden, 1997; *Visiting Scientist*, IBM Almaden Research Center, San Jose, CA, 1992; published 200+ publications and supervised 27 Ph.D., 22 M.S., 8 Postdoctoral, and 12 undergraduate students in the areas of polymer science, colloid chemistry, NMR spectroscopy and friction materials.

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

**Academic Record:** Union College, B.S., 1986; Indiana University, Bloomington, Ph.D., 1991; University of Massachusetts, Amherst, Postdoc, 1991-92.

**Honors:** ACS Division of Analytical Chemistry Graduate Fellowship, 1990-91; Faculty Meritorious Service Award, Union College Alumni Council, 2012; Stillman Prize for Teaching, Union College, 1995; NSF Graduate Fellowship, 1987-90; Phi Beta Kappa; Sigma Xi.

**Professional Positions** (for past ten years): Union College, Professor, 2005 to date; Chair, Chemistry Department, 2008-11; Director of Undergraduate Research, 2005-08; Associate Professor, 1998-05. Sunthru LLC, Chief Science Officer, 2013 to date.

**Service in ACS National Office:** Council Policy Committee, (Voting), 2013-15, (Nonvoting), 2010-12; Leadership Advisory Board, Associate, 2014-15; Committee on Education, 2005-12, Chair, 2010-12, Committee Associate, 2001-04; Program Review Advisory Group, 2010-11; Women Chemists Committee, 2004, Committee Associate, 2001-04; Advisory Board, Graduate Education, 2010-12.

**Service in ACS Offices:** Member ACS since 1986. *Eastern New York Section:* Councilor, 1998-16, Alternate Councilor, 1995-97; Education Committee, 1993 to date; Acting Chair, 2004-07. *Northeast Regional Meeting:* Planning Committee, NERM'03 and NERM'97.

**Member:** Society for Applied Spectroscopy; Materials Research Society; American Ceramics Society; International Sol-Gel Society; Iota Sigma Pi. *ACS Divisions:* Analytical Chemistry; Chemical Education; Inorganic Chemistry; and Polymer Chemistry.

**Related Activities:** Union College Chemistry Club (ACS Student Chapter): Faculty advisor, 1994-2009 and 2013; University at Buffalo, Research Assistant Professor, 1997-2000; Indiana University, Lecturer, 1990; Published 32 journal articles and two book chapters; holds two patents.

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**CHASAR, DWIGHT W. *Cleveland Section.*** (Retired) Emerald Performance Materials, Brecksville, Ohio.

**Academic Record:** University of Pittsburgh, B.S., 1964; Case Western Reserve University, Ph.D., 1968.

**Honors:** ACS Fellow, 2010; Phi Eta Sigma; Phi Theta Kappa; Goodrich Technical Recognition Award, 1983; National Science Foundation College Teacher Summer Fellowship, 1973; National Science Foundation Fellowship, 1965.

**Professional Positions** (for past ten years): Retired, 2007 to date; Emerald Performance Materials, Technical Fellow, 2006-07; Lubrizol Corporation, Research and Development Fellow, 2004-06; Noveon, Research and Development Fellow, 2001-04.

**Service in ACS National Offices:** Committee on Science, Committee Associate 2013-15; Committee on Nominations and Elections, 2010-12, 2009, Vice-Chair, 2011-12; Council Policy Committee (Voting), 2007-08, (Nonvoting), 2005-06; Committee on Divisional Activities, 2001-06, Chair, 2005-06; Committee on Constitution and Bylaws, 1995-00; Committee on Local Section Activities, 1989-94, Committee Associate, 1988; Committee on Patents and Related Matters, 1985-87; Committee on Planning, 2005-06; Governance Review Task Force on Disciplinary Organization, 2005-06.

**Service in ACS Offices:** Member ACS (Emeritus 2014) since 1965. *Cleveland Section:* Councilor, 1987-14; Alternate Councilor, 1986, 1981; Chair, 1982; Chair-Elect and Program Chair, 1981; Treasurer, 1979-80; *ISOTOPICS* Editor, 1976-78; National Chemistry Week Committee, 1991; Archives Committee, 1989-2014; Morley Award Jury, 1986-91; Nominating Committee Chair, 1983; Budget Committee, 1979-80. *Central Regional Meeting:* Program Co-Chair, 1985. *Division of Rubber Chemistry:* Editorial Board, *Rubber Reviews* and *Rubber Chemistry and Technology*, 2002-10.

**Member:** *ACS Divisions:* Organic Chemistry; and Rubber Chemistry (*emeritus*).

**Related Activities:** Technical Consultant 2007-11; Zoning Commission, Sagamore Hills Township, 1977 to date, Chair, 1994-04, 1983-86; BFGoodrich, 1974-01; 40 publications, one book chapter in the *Vanderbilt Rubber Handbook*, and holds 24 US patents.

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**HOUSTON, LISA** *Division of Energy & Fuels (Greater Houston Section)*. Petroleum Analyzer Company, L.P., Houston, Texas.

**Academic Record:** University of North Texas, B.S., Biochemistry, 1986.

**Honors:** Distinguished Service Award, Division of Energy & Fuels, ACS, 2013; ACS Fellow 2012; Distinguished Service Award, Division of Petroleum Chemistry, ACS, 2005; Award of Appreciation, ASTM D02, 2012.

**Professional Positions** (for past ten years): Director, Petroleum Analyzer Company, L.P., 1999 to date.

**Service in ACS National Offices:** Women Chemists Committee, 2014-17, Committee Associate, 2010-13; Committee on Divisional Activities, Multidisciplinary Program Planning Group, Chair 2014, Chair-Elect 2013; Communications and Outreach Subcommittee Chair 2010 to date. Committee on Nomenclature, Terminology and Symbols, Committee Associate 2009-10.

**Service in ACS Offices:** Member ACS since 1990. *Division of Energy & Fuels*: Councilor, 2014-16; Alternate Councilor, 2012-13. *Greater Houston Section*: Treasurer, 2012-14. *Division of Petroleum Chemistry*: Alternate Councilor, 2008-11; Chair 2005; Chair-Elect, 2004; Newsletter Editor, 1997-2004; Treasurer, 1993-96; Area II Representative 1992-94. *Biotechnology Secretariat*: Secretary-Treasurer 2007-12.

**Member:** American Society for Testing and Materials (ASTM). *ACS Division*: Energy and Fuels.

**Related Activities:** ASTM D02.03 Petroleum Products Elemental Analysis Task Group Leader 2009 to date; ASTM D16 Aromatics: Secretary 2010 to date; ASTM D16.04 Instrumental Analysis: Subcommittee Chair 2008 to date; published nine articles.

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**LATIMER, LEE H.** *California Section*. NeurOp, Inc., Oakland, California.

**Academic Record:** Tulane University, B.S., 1971; University of Wisconsin, Ph.D., 1976.

**Honors:** ACS Fellow, 2012; Shirley B. Radding Award, Santa Clara Valley Section, ACS, 2014; Walter B. Petersen Award, California Section, ACS, 2010; Rochester Section Award, ACS, 1991; Lecturer, San Francisco State University, 2012; Chemical Sciences Excellence Award, Elan Pharmaceuticals, 2009; Gold Team Achievement Award, Kodak Research Labs, 1992; NIH Post-Doctoral Fellowship, 1977-79; Phi Beta Kappa, 1971; Sigma Xi, 1971; Phi Eta Sigma, 1968.

**Professional Positions** (for past ten years): NeurOp, Inc., Head of Chemistry, 2014 to date (a virtual pharmaceutical company); Consultant, 2011 to date; Elan Pharmaceuticals, 1995-2011, Senior Director, Process and Analytical Chemistry, 2005-11, Chemical Hygiene Officer, 2004-10.

**Service in ACS National Office:** Council Policy Committee, (Voting) 2013-15, (Nonvoting), 2010-12; Task Force on Communications Divisor, 2015, Chair, 2015; Task Force on Councilor Travel Reimbursements, 2013-14, Chair, 2013-14, Committee on Local Section Activities, 2007-12, Chair, 2010-12; ACS Fellows Oversight Committee, 2010-11; Committee on Public Relations and Communications, 2003-06, 1994-98, Committee Associate, 2001-02, 1993; Board Committee on Planning, 2010-12; Leadership Institute, Track Leader for Local Sections, 2010-12; Leadership Institute Planning Group, 2011-12; Canvassing Committee, Grady-Stack Award, 1996-98.

**Service in ACS Offices:** Member ACS since 1972. *California Section:* Councilor, 2004-15; Alternate Councilor, 2003; Chair, 2004; Chair-Elect and Program Committee Chair, 2003; Long Range Planning Committee, various committees. *Division of Organic Chemistry:* Liaison to Multi-Program Planning Committee, 2014-15. *Rochester Section:* Alternate Councilor, 1991-93; Chair, 1988; Chair-Elect, 1987; NCW Chair, 1989-91; High School Exam and Awards Committee, Chair, 1985-87, many other committees. *Philadelphia Section:* NCW Committee, 1993-94. *Santa Clara Valley Section:* NCW Committee, 1998. *Western Region Board:* Chair, 2014 to date; Vice-Chair, 2010-13. California Section Representative, 2007 to date. *Western Regional Meeting:* General Co-Chair, 2013. *Northeast Regional Meeting:* Organic Program Chair, 1981.

**Member:** American Association for the Advancement of Science; American Association of Pharmaceutical Scientists. *ACS Divisions:* Business Development and Management; Chemical Education; Chemical Health & Safety; Chemistry and the Law; History of Chemistry; Industrial & Engineering Chemistry; Medicinal Chemistry; Organic Chemistry; and Small Chemical Business.

**Related Activities:** District VI Caucus Chair, 2009; LSAC Sub-Committee on Grants and Awards (IPGs), Chair, 2008-09; Chemists in the Community, Co-organizer, San Francisco ACS National Meeting, 2006; Interview Skills Workshops, Co-founder, joint project of California and Santa Clara Valley Sections, ACS and NorCal Section of AIChE, 2004 to date; Tulane University, School of Science and Engineering Board of Advisors, 2006 to date, School of Liberal Arts and Sciences Board of Advisors, 2003-05; University of California-Davis, R. Bryan Miller Symposium Committee, 2013-15; Rochester Council of Scientific Societies, President, 1990-93; Kodak Research Labs, 1979-93; Sterling Winthrop Inc., 1993-95; Adjunct Professor, Rochester Institute of Technology, 1985; Visiting Adjunct Professor, University of Rochester, 1982-83; post-doctoral research at University of California-Berkeley, 1976-77 and University of Wisconsin School of Pharmacy, 1977-79; Co-inventor on >55 issued U.S. Patents, > 35 publications and invited presentations.

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**LEWIS, DORIS I.** *Northeastern Section.* Suffolk University, Newton, Massachusetts.

**Academic Record:** Duke University, B.S., 1965; Tufts University, Ph.D., 1972.

**Honors:** E. Anne Nalley Northeast Regional Volunteer Service Award, ACS, 2013; Henry A. Hill Outstanding Service Award, Northeastern Section, ACS, 2011, and to the Profession of Chemistry, 2012; JFY Networks Achievement Award, 1998 for service on Environmental Technology Advisory Board; Sigma Xi; NewTV (Newton Cable TV) Red Carpet Award for “Bubbles and Beakers” video 2008.

**Professional Positions** (for past ten years): Suffolk University Professor Emerita 2014; Professor, 1986-2014.

**Service in ACS National Offices:** Committee on Public Relations and Communications, 2013-15, Committee Associate, 2012; Committee on Chemistry and Public Affairs, 2003-11, Committee Associate, 2001-02; Committee on Local Section Activities, Committee Associate, 1997.

**Service in ACS Offices:** Member ACS since 1966. *Northeastern Section:* Councilor, 1994-2016; Alternate Councilor, 1991-93; Chair, 2000; Government Affairs Chair, 2005-14; Norris Award Committee, 2010 to date; Chair, 2013; Founder and Chair, Phyllis A. Brauner Memorial Lecture Committee, 2002 to date; National Chemistry Week Committee, 2000 to date; Nominating Committee, 2001-13, Chair, 2013, 2003, 2001; Board of Publications, 1995-97, Chair, 1997; National Meeting Committee 1998, 1990; NESACS Student Affiliate Coordinator, 1978-90; Continuing Education Committee, 1979-81; Suffolk University, ACS Student Affiliate Chapter Adviser, 1977-2013; Summerthing, Chair, 2009 to date (Fenway Park Red Sox events).

**Related Activities:** Science, Engineering, and Technology Congressional Visits Day, participant, 2014; ACS Legislative Summit on Capitol Hill, 2002-10; ACS Legislative Action Network, 1991 to date; ACS Legislative Action Honor Roll 2004, 2003; ACS National Science Funding Network, 1993-2004; Suffolk University Biochemistry-Forensic Science Advisory Board, 2002-12; Suffolk University Summer Forensic Science Institute in collaboration with the Boston Police Crime Laboratory, Founder and Coordinator, 2002-06; Environmental Technology Advisory Board; JFY Networks, 1994-2012.

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**SITZMAN, BARBARA P. *Southern California Section.*** (Retired) Los Angeles Unified School District, Los Angeles, California.

**Academic Record:** San Diego State University, B.A. 1965; Whittier College, M.A.s, 1977-78; Standard California Life Teaching Credential, Chemistry 1973; National Board Certification, Chemistry 2001.

**Honors:** ACS Fellow, 2009; ACS Conant Award, 2001; ACS Western Regional Award, High School Teaching, 1998; Sigma Xi Science Teaching Award, 2001; Woodrow Wilson Fellow Princeton University, 1982.

**Professional Positions** (for past ten years): Retired, 2014 to date; Granada Hills Charter High School, Chemistry Teacher, 2006-14; Chatsworth High School, Los Angeles Unified School District, Chemistry Teacher and Chemical Safety Coordinator, 1986-2006.

**Service in ACS National Offices:** Committee on Project SEED, 2013-15, Committee Associate, 2012; Society Committee on Education, 2003-11, Chair SubA, 2007-11, Committee Associate, 2002; Board Presidential Task Force on Education, 2008-09.

**Service in ACS Offices:** Member ACS since 1998. *Southern California Section:* Councilor, 2011-16. *Division of Chemical Education:* Long Range Planning Committee, 2009-17.

**Member:** ACS American Association of Chemistry Teachers; National Science Teachers Association; California Science Teachers Association; California Chemistry Teachers Association. *ACS Division:* Chemical Education.

**Related Activities:** Chair, Advisory Board, ACS American Association of Chemistry Teachers (AACT); Editor and Author, Teachers Guide, Open for Discussion Column, ACS *ChemMatters Magazine*; Teacher Advisory Council (TAC) to the American Academies of Science, Engineering, and Medicine; ACS Guidelines and Recommendations for the Teaching of High School Chemistry; Chair, National ACS High School Day and member, High School Day Committee; Board of Publications, *Journal of Chemical Education*; Teacher Leader, ACS *ChemCom*; Los Angeles Unified School District, In-service Teacher Trainer; Teaching Strategies Consultant, Los Angeles County Department of Education; Question Leader, College Board Advanced Placement Chemistry Reading; AP Chemistry Consultant, Educational Testing Service; Staff Director, First UCLA Science Project; Co-author *Relationships and Math in Physical Science* textbook; chapter author, ACS book *Sputnik to Smartphones*.

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**ELECTION TO  
COMMITTEE ON NOMINATIONS AND ELECTIONS**

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

V. Dean Adams	Roland F. Hirsch
Matthew K. Chan	C. Marvin Lang
David A. Dixon	Les W. McQuire
Mary K. (Moore) Engelman	Donivan R. Porterfield
Joseph A. Heppert	Ralph A. Wheeler

**The Council must elect five individuals:** The five candidates receiving the highest numbers of votes will be declared elected for the 2016-2018 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are presented in summary form at the end of this item.

**Supplementary Information:**

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

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

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

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

During every ACS National Meeting, the Nominations & Election Committee:

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

Members of N&E must be voting Councilors.

Those members of the Committee on Nominations and Elections whose terms end on December 31, 2015, are as follows:

Milagros Delgado, South Florida Section  
Roland Hirsch, Analytical Chemistry (North Jersey Section)  
Carol B. Libby, Lehigh Valley Section  
Les McQuire, North Jersey Section  
Donivan R. Porterfield, Central New Mexico Section

Milagros Delgado and Carol B. Libby are ineligible for reelection.

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

2014-2016

Lisa M. Balbes, St. Louis Section  
Jeannette E. Brown, North Jersey Section  
Martha L. Casey, Wisconsin Section  
D. Richard Cobb, Rochester Section  
Lissa Dulany, Georgia Section

2015-2017

Lydia E.M. Hines, Kalamazoo Section  
Robert L. Lichter, Northeastern Section  
Mamie W. Moy, Greater Houston Section  
Anne T. O'Brien, New York Section  
Eleanor D. Siebert, Southern California Section

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**ADAMS, V. DEAN** *Division of Environmental Chemistry (Salt Lake Section).* Utah State University, Logan, Utah

**Academic Record:** Idaho State University, B.S., 1966; Utah State University, Ph.D., 1972.

**Honors:** Distinguished Service Award, Division of Environmental Chemistry, ACS, 1990; Friends of Honors Award, Utah State University, 2015; Excellence in Student Advocacy and Support Award, Utah State University, 2015; Alumni Hall of Honor, Utah State University, 2005; Nevada Board of Regents' Academic Advising Award, 2004; Elliott Award for Exemplary Service in the California/Nevada American Water Works Association (AWWA), 2002; Prestigious Chair's Award, California/Nevada, AWWA, 1999; Sigma Xi Research Award, Tennessee Technical University (TTU), 1990; Performance Par Excellence Award, TTU, Tennessee Higher Education Commission, 1987; Professional Achievement Award, Idaho State University Alumni Association, 1986.

**Professional Position (for past ten years):** Utah State University, Associate Dean, 2012 to date; University of Nevada Reno, Associate Dean, College of Engineering, 2003-10; Professor of Civil & Environmental Engineering, 1996-2011; Associate Dean and Professor Emeritus, 2011.

**Service in ACS National Offices:** Committee on Constitution and Bylaws, 2014-15; Committee on Meetings & Expositions, 2007-12, Committee Associate, 2005-06, 1996-97; Committee on Divisional Activities, 1998-04; Committee on Environmental Improvement, 1994-99, Committee Associate, 1993; Committee on Science, Committee Associate, 1991.

**Service in ACS Offices:** Member ACS since 1967. *Division of Environmental Chemistry:* Councilor, 1992-15; Alternate Councilor, 1988-91; Chair, 2010-11, 1988-89; Chair-Elect, 1986-87; Program Committee Chair, 1991-92; Secretary, 1984-85; Assistant Secretary, 1983.

**Member:** Water Environmental Federation; Utah Water Pollution Control Association; Association of Environmental Engineering & Science Professionals; American Water Works Association; Utah American Water Works Association; International Water Association; American Society for Engineering Education. *ACS Division:* Environmental Chemistry.

**Related Activities:** Peer Review Panel – Chair/Vice Chair of the Universities Space Research Association and Information Dynamics/NASA ES 3.2A, Biological and Physical/Chemical (Air/Water/Food) Regeneration (BPCR) (Washington, DC), 1996-99; Peer Review Panel (Chair, ES 3.2 A, Physiochemical and Biological Air/Water/Food Regeneration), AIBS/NASA Life and Biomedical Sciences Division, Washington, D. C., 1994-1995; Peer Review Panel - Environmental Science and Engineering, Advanced Research and Technology Program, Texas Higher Education Coordinating Board, Austin, TX., 1991-93; IAWPRC Water Research Journal Founders Award Selection Committee, 1990-96; AWWA Lars Scholarship Committee, 1990-98; Chairman, Governor's Committee on Water and Wastewater Treatment, Utah Science and Technology Council, Salt Lake City, 1982-84.

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**CHAN, MATTHEW K. *Carolina-Piedmont Section.*** BASF Corporation, Charlotte, North Carolina.

**Academic Record:** Broome Community College, A.A.S., 1975; New Jersey City University (formerly Jersey City State College), B.S., 1981.

**Professional Positions** (for past ten years): BASF Corporation, Regulatory Compliance-NAFTA, 2004 to date.

**Service in ACS National Offices:** Committee on Constitution and Bylaws, 2009-15, Secretary, 2011-15, Committee Associate, 2007-08; Committee on Minority Affairs, 2003-09, Committee Associate, 2002; Committee on Community Activities, 2004; ACS Scholar Mentor, 2004 to date; National Chemistry Week, 2002-03.

**Service in ACS Offices:** Member ACS since 1982. *Carolina-Piedmont Section:* Councilor, 2006-17; Alternate Councilor, 2002-05; Acting Chair (by appointment), 2009; Secretary, 2006-07; Executive Committee, 2000 to date; Younger Chemist Committee, Advisor, 2006 to date. *Eastern New York Section:* Alternate Councilor, 1995-2000; Past Chair, 1993; Chair, 1992; Chair-Elect, 1991; Program Chair, 1991; Student Affiliate Liaison Committee Chair, 1999-2000; *Eastern New York Chemist*, Business Manager, 1988-93; National Chemistry Week Committee, 1987-2000; Membership and Hospitality Committee, 1983. *Northeast Regional Meeting:* Arrangement Committee, 1990-97, Chair, 1997; Continuing Education Committee, Chair, 1995-97; Executive Committee, 1991-2000; Nominating Committee, 1991-93; Education Committee, 1991-2000.

**Member:** United States Naval Institute, Air Force Association. *ACS Division:* Chemistry and the Law.

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**DIXON, DAVID A. *Division of Fluorine Chemistry (Alabama Section).*** The University of Alabama, Tuscaloosa, Alabama.

**Academic Record:** California Institute of Technology, B.S., (with honors), 1971; Harvard University, Ph.D., 1976; Junior Fellow, Society of Fellows, Harvard University, 1995-97.

**Honors:** Distinguished Service Award, Division of Fluorine Chemistry, ACS, 2015; ACS Fellow, 2013; Creative Work in Fluorine Chemistry Award, Division of Fluorine Chemistry, ACS, 2003; Leo Hendrik Baekeland Award, North Jersey Section, ACS, 1989; The University of Alabama Southeastern Conference Faculty Achievement Award, 2012; Burnum Award, The University of Alabama, 2011; DOE Hydrogen Program R&D Award for Outstanding Contributions to Hydrogen Storage Technologies 2010; 20th Charles A. Coulson Lecture, University of Georgia; 2010; Fellow, American Physical Society, Division of Chemical Physics, 2002; Fellow, European Academy of Sciences 2002; Fellow, American Association for the Advancement of Science, 1994; Federal Laboratory Consortium Technology Transfer Award, 2000.

**Professional Positions** (for past ten years): University of Alabama, Tuscaloosa, Professor of Chemistry, 2004 to date; Robert Ramsay Chair, Department of Chemistry, 2004 to date; Interim Chair, 2007-08; Argonne National Laboratory, Joint Appointment, 2010 to date.

**Service in ACS National Offices:** Committee on Publications, Committee Associate, 2014-15. Editorial Advisory Board, *Journal of Physical Chemistry*, 2011 to date, 1993-98.

**Service in ACS Offices:** Member ACS since 1980. *Fluorine Chemistry Division*: Councilor, 2013-15; Executive Committee, 2011-15, 1994-98; Vice-Chair and Program Chair, 1996-97; 22<sup>nd</sup> Winter Fluorine Conference Co-organizer, 2015; 20<sup>th</sup> Winter Fluorine Conference Organizer, 2011.

**Member:** American Physical Society; American Association for the Advancement of Science; Society for Industrial and Applied Mathematics; Association for Computing Machinery; Geochemical Society; Society for Mathematical Biology. *ACS Divisions*: Catalysis Science and Technology; Computers in Chemistry; Energy and Fuels; Environmental Chemistry; Fluorine Chemistry; Geochemistry; Inorganic Chemistry; Organic Chemistry; and Physical Chemistry.

**Related Activities:** Editorial Boards for: *Computational and Theoretical Chemistry*, 2014 to date; *Journal of Fluorine Chemistry*, 2012 to date; *The International Journal of Supercomputer Applications and High Performance Computing*, 1988 to date; Symposium Organizer at ACS National Meetings (ACS Award for Creative Work in Fluorine Chemistry; Symposium in Honor of Véronique Gouverneur, 249<sup>th</sup>, ACS Award for Creative Research and Applications of Iodine Chemistry; Symposium in Honor of Karl O. Christe, 249<sup>th</sup>; Computational Methods and Modeling in Fuel Chemistry, 235<sup>th</sup>); DuPont Central Research & Development, Research Fellow, 1983-95; Pacific Northwest National Laboratory, Battelle Fellow, 1995-2003; published 605 peer reviewed journal articles, 34 book chapters, 22 articles in Proceedings; >360 invited presentations.

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**ENGELMAN (MOORE), MARY K. *Division of Industrial & Engineering Chemistry (Northeast Tennessee Section)*.** Eastman, Kingsport, Tennessee.

**Academic Record:** Northeast State Technical Community College A.D., 1991.

**Honors:** E. Ann Nalley Southeastern Award for Volunteer Service, ACS, 2013; ACS Fellow, 2009; ACS Career Service Making a Difference Award, 2010; ACS Chemical Technician Division, Chemical Technician Award, 1998; Northeast Tennessee Section, ACS, Speaker of the Year Award, 2009; Northeast Tennessee Section, ACS, Chemical Technical Division Award, 1997; Northeast State Community College Outstanding Alumna Award, 2011; Northeast State Technical Community College Outstanding Graduate Award, 1991; Honorable Discharge from the United States Air Force, 1998; Air Force Commendation Medal, 1984 and 1988.

**Professional Positions** (for past ten years): Eastman Chemical Company, Innovation Process Manager, Process and Application Innovation Strategic Technology Division, 2014-15; Principal Technologist, Chemical and Catalysis Research Laboratory, 2004-14; Technologist, Chemical Synthesis Research Lab, 2000-04; Technician, Chemical Process & Engineering Research Laboratory, 1991-2000.

**Service in ACS National Offices:** Committee on Divisional Activities, 2014-15, Committee Associate, 2011-12; Committee on Technician Affairs, 2008-13, Chair 2012-13, Committee Associate, 2007; ACS Fellows Steering Committee, 2012-14; ACS Fellows Selection Committee.

**Service in ACS Offices:** Member ACS since 2004. *Industrial & Engineering Chemistry Division:* Councilor, 2011-17; Non-Officer Volunteer, 2014-15. *Northeast Tennessee Section:* Co-Secretary, 2013; Non-Officer Volunteer, 2013-15; Chair, 2011; Chair-Elect, 2010. *Chemical Technicians Division:* Chair, 2010 2008; Secretary, 2005-07, Non-Officer Volunteer 2004-10. *Northeast Tennessee Section:* Student Affiliate Group President 1990; Non-Officer Volunteer 1989-91.

**Member:** *ACS Division:* Industrial & Engineering Chemistry.

**Related Activities:** ACS Career Consultant 2007-15; Certified Pathway Workshop Facilitator for several workshops; STEM (Science Technology Engineering Math) Leadership Team, Girls Raised in Tennessee Science (GRITS) Program 2008-11; Leader of a program for 5 years for Eastman Chemical Company Sponsorship for Southeast Regional Meeting of the ACS; Organized several ACS symposiums from 2004 to date; Numerous presentations at ACS meetings and colleges; Management and Project Management Classes, more than 150 internal publications/presentations, 10 external publications, one book chapter and an editor for an ACS Symposium Series book; six patents.

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**HEPPERT, JOSEPH A.** *Wakarusa Valley Section.* University of Kansas, Lawrence, Kansas.

**Academic Record:** San José State University, B.S., 1978; University of Wisconsin, Ph.D., 1982; Indiana University, Post-Doctoral Fellow, 1985.

**Honors:** ACS Fellow 2012; KU Leading Light Award, 2012; Vice-Chancellor's Fellow, 2002; KUCTE Graduate Teaching Award, 1998; Keeler Intra-University, Professor, 1998.

**Professional Positions** (for past ten years): University of Kansas, Associate Vice Chancellor for Research, 2009 to date; Chemistry Chair, 2005 to date; Professor 2001 to date; Director, Center for Science Education, 2001-09.

**Service in ACS National Offices:** Committee on Budget and Finance, 2013-15, Vice Chair, 2014-15, Committee Associate, 2011-12; Committee on Education, 2002-10, Chair, 2004-06, Committee Associate, 2000-01; Council Policy Committee (Nonvoting), 2004-06; ACS Chemistry Teacher Education Coalition National Advisory Board, 2011-14; Governance Review Team A, 2007; ACS Program Review Advisory Group 2005-06; Task Forces on Program Valuation and Metrics, 2013-14; ACS Joint Board President's Task Force on Education, Spring 2009-10; ACS President's Task Force on Competitiveness, 2007-08.

**Service in ACS Offices:** Member ACS since 1979. *Wakarusa Valley Section (formerly University of Kansas Section):* Councilor, 1997-2017; Alternate Councilor, 1994-96; Chair, 2004, 1993; Chair-Elect, 2003, 1992; Treasurer, 1991. *Midwest Regional Meeting:* General Meeting Co-chair, 2017, Program Chair, 2002.

**Member:** Sigma Xi; American Association for the Advancement of Science; National Science Teachers Association; Association for the Education of Teachers in Science; National Association for Research on Science Teaching. *ACS Divisions:* Chemical Education; Inorganic Chemistry; and Organic Chemistry.

**Related Activities:** Participant, ACS Legislative Summit, April 2008; Past Member, Senator Pat Roberts Advisory Committee on Science, Technology and the Future; Past Director, University of Kansas' Center for Science Education; Past Chair, University of Kansas Faculty and University Senate Executive Committees; Education Director of the Center for Environmentally Beneficial Catalysis (NSF-ERC); Past Member Board of Directors, the Advanced Academy of Georgia; University of Kansas Medical Center, Institute for Advancing Medical Innovation, Advisory Board Member, 2015.

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**HIRSCH, ROLAND F.** *Division of Analytical Chemistry (North Jersey Section).* U.S. Department of Energy, Germantown, Maryland.

**Academic Record:** Oberlin College, B.A., 1961; University of Michigan, M.S., 1963; Ph.D., 1965.

**Honors:** ACS Fellow, 2011; Distinguished Service Award in the Advancement of Analytical Chemistry, ACS Division of Analytical Chemistry, 2000; Honorary Fellow, The Library of America, 2010; Sigma Xi.

**Professional Positions** (for past ten years): U.S. Department of Energy, Office of Science, Program Manager, 1991 to date; Acting Director, Biological Systems Science Division, 2008.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2015, 1985-87; Secretary, 1986-87; Committee on Chemists with Disabilities, 2012-14; Committee on Committees, 2008-10; Committee on Science, Committee Associate, 2005-07; Committee on Divisional Activities, 1999-04, Committee Associate, 1998; Committee on Publications, Committee Associate, 1996-97; Committee on International Activities, 1984-92, Chair, 1990-92, Committee Associate, 1981-83; Committee on Meetings and Expositions, 1978-84; Program Coordination Conference Advisor, 1983-96; Advisory Board, *Analytical Chemistry*, 1987-88, 1983-85; Advisory Board, *ACS Books*, 1985-88.

**Service in ACS Offices:** Member ACS since 1966. *Division of Analytical Chemistry:* Councilor, 1995-2015; Alternate Councilor, 1992-94; Chair, 1987-88; Chair-Elect, 1986-87; Secretary, 1980-83; Division Website Editor, 1995 to date; Financial Planning Committee Chair, 1989-90; Nominations Committee Chair, 1989-90; Awards Committee Chair, 1987-88. *ByLaw Councilor*, 1987. *North Jersey Section:* Councilor, 1976-86, 1972-74; Alternate Councilor, 1987-89; Chair, 1979; Chair-Elect and Program Chair, 1978; Nominations Committee Chair, 1981; Hospitality Committee Chair, 1971-74; Analytical Topical Group Chair, 1970.

**Member:** American Physical Society; Society for Applied Spectroscopy; Society for Electroanalytical Chemistry. *ACS Divisions:* Analytical Chemistry; Chemical Education; Chemical Information; Geochemistry; and Organic Chemistry.

**Related Activities:** National Institutes of Health, National Research Resources Advisory Committee 1991-2011; Office of Science & Technology Policy, Interagency Working Group on Neutron Science, 2000-02; Manager, American Student Delegation to Annual Meeting of Nobel Laureates, Lindau, Germany, 2000-08.

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**LANG, C. MARVIN** *Central Wisconsin Section.* University of Wisconsin - Stevens Point, Stevens Point, Wisconsin.

**Academic Record:** Elmhurst College, B.S., 1961; University of Wisconsin - Madison, M.S., 1964; University of Wyoming, Ph.D., 1970.

**Honors:** ACS Fellow, 2010; Harry & Carol Mosher Award, Santa Clara Valley Section, ACS, 2003; Helen Free Award for Public Outreach, ACS, 1997; Visiting Scientist Award, Western Connecticut Section, ACS, 1994; Outstanding Contributions to Chemistry Award, Central Wisconsin Section, ACS, 1983; Outstanding Service Award, Central Wisconsin Section, ACS, 1979; Katz Distinguished L&S Faculty Member, University of Wisconsin - Stevens Point, 2001; Lifetime Corresponding Member, Finnish Chemical Society, 1999; Phi Eta Sigma, 1970; National Defense Education Act Title IV Fellow, 1967-70.

**Professional Positions** (for past ten years): University of Wisconsin-Stevens Point, Emeritus Professor of Chemistry, 2006 to date; Professor, 1978-2006.

**Service in ACS National Offices:** Committee on Constitution and Bylaws, 2015-16, 1998-03; Committee on Meeting and Expositions, 2009-14, Committee Associate, 2005-08; Committee on Community Activities, Consultant, 2004-09; Committee on Public Relations and Communications, 2005-07, Committee Associate, 2004; Board of Directors, Councilor ex officio, Director-at-Large, 1989-94; Committee on Public Affairs and Public Relations, 1989-94, Chair, 1991-93; Committee on Grants and Awards, 1994, 1989-92; Committee on Education, 1989-94; ad hoc Board Committee on Board Regulations, 1990; Chemical Heritage Foundation Board of Directors, 1992-96; Board Task Force on Chemistry Vans, 1992-93; Advisory Board, "Action-Reaction" TV Project; Board Liaison to Committee on Public Relations, 1990-91; Council Policy Committee (Voting), 1987-88, (Nonvoting), 1983-86, 1978-80; Committee on Nominations & Elections, 1981-86, Chair, 1983-86; Professional Programs Planning and Coordination Committee (PROPPACC), 1992-93, Chair, 1992-93; Committee on Science, 1981, Committee Associate, 1982-83; Experimental Science Commission, 1978-80; Committee on Local Section Activities, 1975-80, Chair, 1978-80, Secretary, 1976-77; National Chemistry Week Task Force, 1993; Advisory Board, "Science in American Life", 1990-93; ACS Award in Chemical Education, Canvassing Committee, 1983-86, Chair, 1985-86.

**Service in ACS Offices:** Member ACS since 1962. *Central Wisconsin Section:* Councilor, 1997-2017, 1973-88; Chair, 1972; Chair-Elect, 1971; Executive Committee, 1971 to date; Bylaw Revision Committee Chair, 1975-76. *Wyoming Section:* Program Committee, 1968-69. *Division of Chemical Education:* Local Section Chemical Education Activities Task Force, Chair, 1981-83. *Great Lakes Regional Meeting:* Treasurer, 2013 to date; Program Chair, 1977.

**Member:** University of Wisconsin - Stevens Point Academy of Letters and Science. *ACS Divisions:* Chemical Education; and History of Chemistry.

**Related Activities:** Iowa State University, W. B. King Visiting Professor, 1976-77; Program Co-Chair, Chemistry in Philately Exhibit, ACS National Meeting, 1983; Program Co-Chair, Chemistry in Stamps Exhibit, ACS National Meeting, 1990; Co-Editor, "Chemistry in Stamps" Mini-Series in the *Journal of Chemical Education*, 1985-90.

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**MCQUIRE, LES W. *North Jersey Section.*** Novartis Pharmaceuticals, Warren, New Jersey.

**Academic Record:** Dundee University, B.S., 1986; Ph.D., 1989.

**Honors:** ACS Fellow 2013; Burton C. Belden Distinguished Service Award, 2010; Salters-Jerwood Prize, 1999; Fulbright Travel Scholar, 1989; Dundee University, Grad Scholar, 1986-89, Chemist Medal, 1983-86; Salters Institute of Industrial Chemists Graduate Prize, 1986; Irvine Jubilee Medal, 1986; Richie Prize in Chemistry, 1986; Carnegie Scholar, 1985; The Graham Smith Chemistry Prize, 1984.

**Professional Positions** (for past ten years): Novartis Pharmaceuticals, Global Program Team Director (Oncology) 2013 to date, Global Program Manager 2010-13; Institute for BioMedical Research, Research Scientist to Senior Research Investigator, 1992 to 2010.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2013-15; Committee on Committees, 2007-12, Chair, 2009-11; Council Policy Committee, (Nonvoting) 2009-11; Committee on Corporation Associates, 2012-14, 2005-07; Committee on Local Section Activities, 2000-06, Committee Associate, 1999; ACS Board Oversight Group on Leadership Development, 2004-09; Leadership Advisory Board, 2009-15; Speaker Service Advisory Board, 2003-04, Chair 2004; Ad hoc Study Group on Regional Meetings, 2003-04.

**Service in ACS Offices:** Member ACS since 1992. *North Jersey Section:* Councilor, 1999-16; Chair, 2000; Chair-Elect, 1999; National Chemistry Week, 1999-05; National Awards Nomination Committee, 2003-09; Nomination Committee, 2000-11, Chair, 2002; Awards Committee, 2002-15; Baekeland Award, Jury Foremen, 1999; Baekeland Symposium Committee, 1999-03, Co-Chair, 2001, 2003; Meetings and Arrangements Co-Chair, 1999; Finance Committee, 1999-09; *The Indicator* Committee Chair, 2003-15, *The Indicator* Editorial Board Co-chair, 2008-15; Planning Committee, 1999-15; Industrial Relations Committee, 1999-05; Organic Topical Group, Chair, 1997; Treasurer, 1996; “*Chemistry as a Life Science Symposium*” Organizing Committee, 1996-2000. *MARM:* Program Co-Chair, 2005. *Medicinal Chemistry Division:* Long-Range Planning Committee, 2001-04.

**Member:** Inflammation Research Association; Fellow, Royal Society of Chemistry. *ACS Divisions:* Medicinal Chemistry; Chemical Information; Computers in Chemistry; Industrial and Engineering Chemistry; and Organic Chemistry.

**Related Activities:** Novartis Representative to ACS Corporate Associates, 2004-10. North Jersey Section’s “*From Bench To Pilot Plant*” Symposium, Co-Founder, 1997, Symposium Organizing Committee, 1997-01; Northeastern Section/RSC/IUPAC’s “*Advances in Chemical Sciences*” Symposium, Co-Chair 2007, Symposium Organizing Committee, 2007-09; ACS Leadership Development System, facilitator for two courses; Chair, Gordon Research Conference on Medicinal Chemistry, 2008, Vice Chair, 2007, Vice Chair-elect, 2006; Royal Society of Chemistry US Section, Secretary and Webmaster 2006-11, President 2012-13; organized 9 technical sessions at ACS national meetings.

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**PORTERFIELD, DONIVAN R. *Central New Mexico Section.*** Los Alamos National Laboratory, Los Alamos, New Mexico.

**Academic Record:** University of Texas, Arlington, B.S., 1984; University of Texas, Austin, M.A., 1990.

**Honors:** ACS Fellow, 2014; ASTM International Fellow, 2013; ASTM International Committee C26 (Nuclear Fuel Cycle) Harlan J. Anderson Award, 2010; ASTM International Committee D19 (Water) Max Hecht Award, 2010; Radio-bioassay and Radiochemical Measurements Conference Founders Award, 2001.

**Professional Positions** (for past ten years): Los Alamos National Laboratory, Scientist, 1993 to date.

**Service in ACS National Office:** Committee on Nominations and Elections, 2013-15; Leadership Advisory Board, Associate, 2014-15; Committee on Economic and Professional Affairs, 2012; Committee on Nomenclature, Terminology and Symbols, 2009-12; Committee on Meetings & Expositions, 2004-10.

**Service in ACS Offices:** Member ACS since 1984. *Central New Mexico Section*: Councilor, 2003-17; Chair, 2015, 2011, 2000-02; Chair-Elect, 2014, 2010, 1999; Treasurer, 1996-98. *17th Rocky Mountain Regional Meeting*: 2002, General Chair. *Rocky Mountain Region Board*: Chair, 2013 to date.

**Member:** American Nuclear Society; IEEE; New Mexico Academy of Science. *ACS Divisions*: Analytical Chemistry; Chemical Education; Nuclear Chemistry & Technology; and Small Chemical Business.

**Related Activities:** ASTM International, Committees on Water (D19) and Nuclear Fuel Cycle (C26).

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**WHEELER, RALPH A.** *Division of Computers in Chemistry, (Pittsburgh Section)*. Duquesne University, Pittsburgh, Pennsylvania.

**Academic Record:** Harvey Mudd College, B.S, 1982; Cornell University, Ph.D., 1988.

**Honors:** ACS Fellow, 2010; ACS Computers in Chemistry Division Outstanding Service Awards, 2009, 2004; President's Associates Presidential Professor, University of Oklahoma, 2003-10; Regents' Award for Superior Research, University of Oklahoma, 2002; Junior Faculty Research Fellowships, University of Oklahoma, 1993, 1990-91; National Institutes of Health National Research Service Award, 1989; National Research Council Postdoctoral Fellowship (declined), 1987. Sigma Xi Honorary Research Society, 1982; ARCS Foundation Scholarship, 1981-82; National Merit Scholarship, 1978-82; National Society of Professional Engineers Scholarship, 1978-80.

**Professional Positions** (past ten years): Duquesne University, Professor and Department Chair, Department of Chemistry and Biochemistry, 2010 to date; Presidential Professor, Department of Chemistry and Biochemistry, University of Oklahoma, Norman, 2003-10.

**Service in ACS National Offices:** Committee on Science, 2013-17, Committee Associate, 2011-12.

**Service in ACS Offices:** Member ACS since 1982. *Division of Computers in Chemistry*: Councilor, 2009-17; Past-Chair, 2008; Chair, 2007; Chair-Elect, 2006; Alternate Councilor, 2004-06; Program Chair, 2000-04.

**Member:** Council for Chemical Research. *ACS Divisions*: Computers in Chemistry; and Physical Chemistry.

**Related Activities:** Council for Chemical Research (CCR) Governing Board, 2014-15, Chair, (CCR) Advocacy Task Force, 2014-15; Editor, Annual Reports in Computational Chemistry, 2008-14, Co-Editor, 2006-08; Editorial Board Member, Journal of Molecular Graphics and Modeling (publication of the Molecular Graphics Society and the ACS COMP Division), 1998 to date; University of Oklahoma's faculty representative to Federal Demonstration Partnership to streamline grant application and reporting requirements, 2002-10; published 75 journal articles, cited more than 2600 times.

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## REQUEST FOR SUGGESTIONS FOR 2017 ELECTED COMMITTEES

### A Reminder

At the Council meeting in Boston, Massachusetts, Councilors will elect members to the Committee on Committees, Council Policy Committee, and Committee on Nominations and Elections to fill 2016-2018 terms. The process to select nominees for 2017-2019 terms will begin almost immediately. The Committee on Nominations and Elections therefore asks each Councilor to examine the following list of Elected Committee positions with terms ending on December 31, 2016, and the list of the other members of these committees. Names of individuals suggested for nomination should be inserted on the form on page **48**. This form may be left on the registration table as you leave the Council meeting or emailed to the Chair of the Committee: Mr. D. Richard Cobb, [nomelect@acs.org](mailto:nomelect@acs.org).

### **COMMITTEE ON COMMITTEES**

Members of the Committee on Committees (ConC) whose terms end on December 31, 2016, are:

Janet Bryant, Business Development & Management (Richland Section)  
Dee Ann Casteel, Susquehanna Valley Section  
Amber S. Hinkle, Greater Houston Section  
Wayne E. Jones, Jr., Binghamton Section  
V. Michael Mautino, Pittsburgh Section

Janet Bryant, Amber S. Hinkle, and V. Michael Mautino are ineligible for reelection.

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

#### Term ending December 31, 2017

Mitchell R.M. Bruce, Maine Section  
Bonnie Lawlor, Chemical Information (Philadelphia Section)  
Zaida C. Morales-Martinez, South Florida Section  
Robert A. Pribush, Indiana Section

#### Term ending December 31, 2015

G. Bryan Balazs, California Section  
Christopher J. Bannochie, Savannah River Section  
Dawn A. Brooks, Indiana Section  
Michelle V. Buchanan, Analytical Chemistry (East Tennessee Section)  
Alan B. Cooper, North Jersey Section  
Judith Currano, Bylaw

ConC nominees for 2016-2018 terms are listed in this Council agenda under "Election to Committee on Committees." Names of those elected will be announced at that meeting. G. Bryan Balazs, Dawn A. Brooks, and Judith Currano are ineligible for reelection.

### **COUNCIL POLICY COMMITTEE**

Members of the Council Policy Committee whose terms end on December 31, 2016, are as follows:

Harmon B. Abrahamson, Red River Valley Section  
Alan M. Ehrlich, Chemistry & the Law (Chemical Society of Washington Section)  
Andrea B. Twiss-Brooks, Chemical Information (Chicago Section)  
Angela K. Wilson, Physical Chemistry (Dallas-Fort Worth Section)

Alan M. Ehrlich is ineligible for reelection.

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

Term ending December 31, 2017  
Lawrence Barton, St. Louis Section  
Lynne P. Greenblatt, Professional Relations (Princeton Section)  
Peter C. Jurs, Computers in Chemistry (Central Pennsylvania Section)  
Linette M. Watkins, Professional Relations (Virginia Section)

Term ending December 31, 2015  
Frank D. Blum, Polymer Chemistry (Oklahoma Section)  
Mary K. Carroll, Eastern New York Section  
Lee H. Latimer, California Section  
Carolyn Ribes, Brazosport Section

CPC nominees for the 2016-2018 term are listed in this Council agenda under "Election to Council Policy Committee." Names of those elected will be announced at that meeting. Carolyn Ribes is ineligible for reelection.

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

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

Those members of the Committee on Nominations and Elections whose terms end on December 31, 2016, are as follows:

Lisa M. Balbes, St. Louis Section  
Jeannette E. Brown, North Jersey Section  
Martha L. Casey, Wisconsin Section  
D. Richard Cobb, Rochester Section  
Lissa Dulany, Georgia Section

Jeannette E. Brown, Martha L. Casey, Lissa Dulany and D. Richard Cobb are ineligible for reelection.

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

Term ending December 31, 2017

Lydia E.M. Hines, Kalamazoo Section  
Robert L. Lichter, Northeastern Section  
Mamie W. Moy, Greater Houston Section  
Anne T. O'Brien, New York Section  
Eleanor D. Siebert, Southern California Section

Term ending December 31, 2015

Milagros Delgado, South Florida Section  
Roland Hirsch, Analytical Chemistry (North Jersey Section)  
Carol B. Libby, Lehigh Valley Section  
Les McQuire, North Jersey Section  
Donivan R. Porterfield, Central New Mexico Section

N&E nominees for the 2016-2018 term are listed in this Council agenda, under "Election to Committee on Nominations and Elections." Names of those elected will be announced at that meeting. Milagros Delgado, and Carol B. Libby are ineligible for reelection.



Mr. D. Richard Cobb  
nomelect@acs.org

Dear Mr. Cobb:

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

(Please Print)

COMMITTEE ON COMMITTEES (Councilors only)

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

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

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

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

COUNCIL POLICY COMMITTEE (Councilors only)

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

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

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

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

COMMITTEE ON NOMINATIONS AND ELECTIONS (Councilors only)

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

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

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

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

Sincerely,

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

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

This form must be received by Mr. Cobb no later than October 31, 2015

8/15

BALLOT COUNTS, PREVIOUS ELECTIONS

The Committee on Nominations and Elections regularly reports in the Council agenda the numerical results of balloting from elections at the previous meeting. The following tabulations give the numerical results of the balloting at the March 25, 2015, meeting of the Council for selection of candidates for 2016 President-Elect. Also reported are the results of balloting (March 3, 2015) for the selection of candidates for Director from District I and for Director from District IV for 2016-2018 terms. Nominees selected as the candidates are identified by an asterisk.

2016 PRESIDENT-ELECT

*G. Bryan Balazs	330
*Allison A. Campbell	194
David J. Lohse	111
Christopher J. Welch	182

DIRECTOR, DISTRICT I

Perry L. Catchings, Sr.	9
*Thomas R. Gilbert	36
Gerard F. R. Parkin	7
*Laura E. Pence	19

DIRECTOR, DISTRICT IV

*John E. Adams	31
Debbie C. Crans	18
*Kenneth P. Fivizzani	22
Donna G. Friedman	21

\* Individuals nominated

## REPORT OF THE PRESIDENT

In pursuit of my Presidential theme for 2015 “Inspiring and Innovating for Tomorrow,” this report will provide a snapshot of progress this year.

**White House Partnership - Presidential Nanotech Program in Denver Makes a Big Splash:** My Presidential symposium in Denver, *Nanotechnology: Delivering on the Promise* caught the attention of the White House Office of Science & Technology Policy, and specifically the National Nanotechnology Coordination Office [NNCO]. The White House has requested a Partnership with ACS to promote the National Nanotechnology Initiative [NNI]. From post-Denver conversations with NNCO, there was a “request for information” in June, when the White House seeks comment from the scientific community about which science and technology challenges future NNI investments should focus on President Obama’s Grand Challenges. ACS has agreed to partner with the White House to engage the chemistry community. To this end, the ACS Office of Public Affairs staff is working closely with the White House and will use the whole spectrum of ACS communications tools to reach out to ACS membership to ensure that chemists help shape the future directions of the federal government’s investments in nanoscience and nanotechnology. Additionally, the Denver Presidential symposia are available on “Presentations on Demand” and an ACS symposium e-book is being prepared.

**Presidential Task Force on Industry Employment:** I appointed a Presidential Task Force to address *workforce needs through industry/ two year college partnerships* in cooperation with Immediate Past President Tom Barton. This action is an outcome of meetings initiated by Tom Barton with the American Chemistry Council [an industry group] in November 2014 and February 2015, where critical workforce needs were identified and prioritized. The role of this Presidential Task Force is to summarize issues and articulate strategies to create effective partnerships. The task force is charged to complete and summarize its work by the end of 2015. It is anticipated that an Implementation Task Force will then be appointed to take action on the recommendations.

**ACS Collaborations with Industry:** I have several initiatives underway to address the declining industry membership in ACS and re-build our relationship with industry.

*First*, a Chief Technology Officer Summit is set for September 2015. This unique initiative is in partnership with ACS Chief Executive Officer and Executive Director Tom Connelly. It leverages the neutral convening power of ACS and our Washington, D.C. presence.

*Second*, meetings with Chief Executive Officers and CTOs have been occurring in 2014 and 2015 at external events where ACS and industry are participating.

*Third*, industry roundtables on non-competitive and/ or pre-competitive topics have been and are being formed.

*Fourth*, Advocacy on subjects of shared interest to ACS and industry has been implemented. Subjects include the chemistry talent pipeline, Toxic Substances Control Act [TSCA] reform, and sustainability, for example.

*Fifth*, Outreach - I am utilizing the tools afforded to me as President to reach out and inform our industry members of the initiatives and specific actions I am advocating for on their behalf. I have upcoming ACS Comments that I will use to stress the importance of our industrial membership, and discuss the initiatives outlined in this report.

*Sixth*, Partnering with Corporation Associates [CA] to provide support and visibility to this committee. Actions include participating in the CA strategic planning retreat and co-authoring industry updates in the Councilor Bulletin with Dawn Mason, CA Chair.

The preceding six initiatives are designed to support the ACS Value Proposition for our industry members. It utilizes a two pronged approach.

- 1. We must to find out from leaders throughout the chemical industry where ACS aligns with their needs.
- 2. We need to take those findings and convert them into programs and services that help our individual industry members.

The value to our industry members will be immense if we/ACS are able to empower them with tools and information that align with the needs of the larger chemical enterprise.

**ACS Scholars:** A key and meaningful part of my Presidential year is serving as the Co-Chair of the ACS Scholars Program's 20th Anniversary Appeal. I was pleased to use one of my C&EN Comments [February 23, 2015; p. 41] to tell the story of Procter & Gamble's strong support of the program, the Scholars P&G sponsored, and the employees it hired. My firsthand experience is that industry understands that diversity adds to creative thinking that leads to enhanced and accelerated innovation. Of the \$17 million that ACS has awarded in scholarships to high-achieving underrepresented minority students, approximately \$7 million has come from corporations that recognize the importance of building a diverse future workforce. Seven companies have contributed more than \$100,000; six have given more than \$250,000; and three have donated more than \$500,000. I am honored and proud to share the news that Procter & Gamble has made a new pledge to bring the company's cumulative gifts to \$1 million, matching the investment of PPG Industries, the program's Founding Partner.

The ACS Scholars 20<sup>th</sup> Anniversary Appeal recognizes the need for individuals to strengthen their support of the program to help ensure its future. A pledge of \$15,000 paid over three years names you to the Scholars Leadership Circle. A pledge of \$100,000 to the ACS Scholars Endowment, which can be planned as a gift from your estate, entitles you to have a scholarship in perpetuity in your name or that of someone who has been important to you. In 2015 we have four new members of the Scholars Leadership Circle and three additional endowed scholarships. I urge your consideration of these opportunities to join me in supporting the future of our profession.

Diane Grob Schmidt

## REPORT OF THE PRESIDENT-ELECT

### I. ACS Presidential Task Force on US Employment of Chemists

Activities to initiate the task force work have been initiated. They are as follows:

A. David Harwell was assigned to be the task force staff liaison on 3 May 2015

B. The charge was emailed to the members of the task force on June 11; it includes:

- Examine previous reports on employment of U.S. chemists available from ACS and other sources, especially including pertinent data and updating data as needed. Where significant gaps exist, the Task Force shall investigate factors affecting employment of chemical professionals in the U.S.
- Not repeat studies when results are readily available. Instead, the task force should build upon the work of others and form a holistic view of the U.S. chemical employment spectrum.
- Identify discrepancies in supply vs. demand, discriminatory practices, misalignments of training to available jobs, and variances among demographic groups and scientific disciplines.
- Determine the impact of the oversupply of scientists upon the salaries of scientists.
- Determine the impact of the oversupply of scientists upon the employment of underrepresented minorities.
- Determine the contribution of immigration of scientists into the US to the oversupply of scientists in the US.
- Look at contributing factors to the employment situation for U.S. chemists including, but not limited to globalization, public perception of chemistry, and insourcing/outsourcing trends.
- Analyze the impact of steady US STEM graduates along with increasing STEM immigrants
- Analyze the Homeland security issues possible, if there are insufficient US citizens
- Analyze the decrease in US influence upon product development, if there are insufficient US natives
- Analyze the impact of decreasing the representation of US citizens among science professors putting off some domestic students
- Analyze how the public is influenced by TV shows such as Breaking Bad and Big Bang Theory and movies about science, by bad press about rogue scientists such as Pedro Mascheroni, and by scientists discussing their profession inside their community.
- Prioritize recommended actions considering the ability of ACS to implement them, and their potential for positive impact.
- Propose practical, implementable actions that will: (1) improve the employment climate for chemical professionals in the U.S., (2) position ACS and its governance units for long-term gains in chemical workforce development, and (3) create greater alignment between academic and industry.

### II. Programming for ACS National Meeting in San Diego in March 2016

In order to meet deadlines for entering into MAPS information about the symposia for the ACS National Meeting in San Diego in March 2016, it is now necessary to identify topics and the people to be involved in them.

The symposia topics identified to date are:

- A. Associates Degree. Data, impact, industry needs, ACS role matching students to jobs
- B. Expected reduction in demand for Organic Chemistry. MCAT content, ASBMB recommended curriculum changes, degree requirements of related science disciplines
- C. Ubiquitous Chemistry. Scientific development in computing vs chemistry/diversity

Donna J. Nelson

#### REPORT OF THE IMMEDIATE PAST PRESIDENT

During what remains of my Immediate Past President year, I look to fulfill my promise of participating in all but one of the ACS Regional Meetings. The ‘but one’ was due to a conflicting series of successful meetings in Brazil. I participated in two ACS on Campus events, presented at the Chemical Society of Brazil (RASBQ) with my views on “The Future of Chemistry,” and spoke at an ACS Local Chapter kick-off event.

The Regional Meetings are a two-fold priority for me:

1. To assist high school teachers by attending, participating in, and financially supporting workshops, and
2. To participate in sessions for our industry members to learn of better ways to serve their specific needs.

High school chemistry teacher programming at regional meetings presents a unique opportunity for local high school teachers to connect with ACS, build peer relationships and undertake professional learning opportunities. Specifically, I have been and will continue to provide funding for breakfast or lunch during the high school program, a subscription to ChemMatters magazine, and a travel stipend of up to \$100 for each teacher in attendance traveling more than 100 miles (they are encouraged to liberally calculate this distance!) The ACS Education Division is providing promotional bags with information about its programs, products and services of interest to the high school teaching community for each attendee. The two that I have attended to date have proved very successful, and I always enjoy meeting teachers who are so passionate about their students and their science. I remain amazed that they can maintain their focus despite the numerous obstacles placed in the path to high quality science teaching.

As I write, I am eagerly awaiting my first Industry Member session in Pocatello. My thanks go to Diane Grob Schmidt who stepped in for me at NERM to lead a group of industry members in a very successful discussion about their scientific, career, and information needs. The feedback from this first focus group was useful for Membership & Scientific Advancement, and I look forward to amassing many data points from multiple sources across our membership.

Lastly, I'd like to inform Council that the Spanish language Webinars are proving quite successful. The first coincided with our meeting in Denver, and the second out of four will take place on July 22<sup>nd</sup> and cover the topic of Nanotechnology in biological systems and medicine. I hope ACS/SQM continues these webinars.

Tom Barton

## REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

I am pleased to present a mid-year report to Council. In my recent C&EN comment entitled *Transition State*, I observed that our Society is in the midst of dramatic change. Our annual environmental scan, which takes a close look at all factors that might influence our members and the chemical enterprise, identified a significant number of trends, and they are not all positive. Given this rapidly changing environment, coupled with new leadership at the CEO/ED level, the Board of Directors conducted a one-day retreat. After several months of planning, the retreat design team, with the aid of a very able facilitator, put together a stimulating, engaging agenda. There are several key learnings that came out of the retreat as well as a significant number of action items and workstreams. We have established two task forces – they are chaired and staffed, and their efforts are already underway. The retreat was followed by our June Board of Directors Executive Session in which we considered a number of key strategic issues and responded with several actions.

### **The Board's Committees**

- The Board of Directors received reports from its Committee on Grants and Awards (G&A) and on Executive Compensation.
- The Committee on Grants and Awards announced Mostafa El-Sayed as the recipient of the 2016 Priestley Medal, and H.N. Cheng as the recipient of the 2016 Award for Volunteer Service to the ACS. On the recommendation of G&A, the Board VOTED to approve financial options for two ACS awards and to decline the establishment of a new award.
- On the recommendation of the Committee on Executive Compensation, the Board VOTED to select Quatt Associates to conduct an executive compensation market study in 2015. The Board ensures these benchmarking studies are conducted regularly and carefully selects the external consulting firm to carry out this key benchmarking activity.

### **The Executive Director/CEO Report**

- The Executive Director/CEO and his direct reports updated the Board on the major challenges and projects facing the Society this year and provided updates since the spring meeting. Recent activities of Chemical Abstracts Service (CAS), the ACS Publications Division, the Society's Treasurer, and the Society's General Counsel were received.

### **Other Society Business**

- The Board VOTED to approve actions arising from the spring Council meeting: continuation of the Joint Board Council Committee on Science; the establishment of International Chemical Sciences Chapters in India and Taiwan; and ratification of Board interim actions.
- The Board VOTED to amend the Board Regulations to establish the Governing Board for the American Association of Chemistry Teachers (AACT).
- On the recommendation of the Editor Search Committee, the Board VOTED to approve the appointment of an inaugural Editor-in-Chief for a new ACS journal.
- The Board heard reports from the Presidential Succession on their current and planned activities for the remainder of 2015 and for 2016.

- As part of its ongoing commitment to consider the most important strategic issues facing the Society, the Board reviewed follow-ups from its March discussion on ACS governance effectiveness and agility, and continued with the question “What can and should be done to increase the efficiency and appropriateness of the ACS governance decision-making process?” Additionally, the Board reviewed initial committee responses received on the strategic issue question for its next meeting, “Are ACS Local Sections and Divisions as strong and healthy as ACS needs them to be?”
- The Board debriefed and identified follow-up actions from its Board Retreat, conducted June 3-4 in Baltimore.
- The Board passed a resolution in memory of ACS Past President Eli Pearce, who passed away May 18, 2015.

Lastly, I am pleased to report that the Board of Directors is very pleased with the on-boarding process of our new CEO/ED, Dr. Tom Connelly. He has had a very “fast start” and we are confident that his experience and leadership will bring the American Chemical Society to the next level of excellence.

Pat N. Confalone

MINUTES  
REGULAR SESSION  
BOARD OF DIRECTORS  
DENVER, Colorado  
March 22, 2015

The Board of Directors of the American Chemical Society met in Denver, Colorado, on March 22, 2015, beginning at 12:00 p.m. Pat N. Confalone, Chair, presided. Other Directors present for all or part of the meeting were: John E. Adams, Tom J. Barton, George M. Bodner, William F. Carroll, Jr., Thomas M. Connelly, Thomas R. Gilbert, Rigoberto Hernandez, Paul W. Jagodzinski, Ingrid Montes, Donna J. Nelson, Dorothy J. Phillips, Barbara A. Sawrey, Diane G. Schmidt, and Kathleen M. Schulz. Present by invitation for all or parts of the meeting were: Brian A. Bernstein, Bibiana Campos-Seijo, Brian D. Crawford, Denise L. Creech, Manuel Guzman, Mary Kirchhoff, Martha K. Lester, Flint H. Lewis, Robert H. Rich, Glenn S. Ruskin, David T. Smorodin, John R. Sullivan, Frank E. Walworth, and Marleen G. Weidner. More than three hundred observers were present at various times during the meeting.

Call to Order and Report from Executive Session

Pat N. Confalone, Chair, opened the meeting by welcoming the attendees and introducing his Board colleagues. Next, he summarized the key actions and discussion points from the Board's executive session, March 20-21:

- On the recommendation of the Committee on Grants and Awards and of the Committee on Science, the Board voted to approve a Society nominee for the National Medal of Science.
- On the recommendation of the Committee on Professional and Member Relations, the Board voted to provide nominal sponsorship, without financial commitment, for the "Frontiers of Science Research and Education in the Middle East: A Bridge to Peace" (Malta VII) to be held in Rabat, Morocco, November, 2015.
- The Board received an extensive briefing and approved several recommendations from its Committee on Executive Compensation. The compensation of the Society's executive staff receives regular review from the Board.
- On the recommendation of the Society Committee on Education, the Board voted to approve a procedure for the establishment of the inaugural Governing Board for the American Association of Chemistry Teachers (AACT).
- On the recommendation of the Joint Board-Council Committee on Publications, the Board voted to approve the reappointment of an Editor-in-Chief for an ACS journal.
- The Executive Director/CEO offered a review of his initial month in the position, and his direct reports updated the Board on the activities of Chemical Abstracts Service (CAS), the ACS Publications Division, the Society's Treasurer, and the Society's General Counsel.
- The Board heard reports from the Presidential Succession on their current and planned activities for 2015.
- As part of its ongoing commitment to consider the most important strategic issues facing the Society, the Board held a discussion on improving governance agility.
- The Board received an update on its retreat planned for June 2015 as part of the June Board meeting.

Reports of Officers

President

ACS President Diane G. Schmidt encouraged participants to attend two Presidential Symposia focused on the advances being made in nanotechnology and nanoscience. The first symposium, “Nanotechnology: Delivering on the Promise,” highlights the fascinating research, development, and commercialization of nanochemistry and nanotechnology. It includes 16 senior-level speakers from industry, academe, and government. The other symposium, “DOE Nanoscience Research Centers: National Resources for the Nanoscience Community,” features the five heads of these research centers at U.S. national laboratories. This is the first symposium of its type to highlight these speakers collectively.

President-Elect

ACS President-Elect Donna J. Nelson reported receiving, as responses to her emails sent to ACS members, approximately 1500 emails containing suggestions and comments. She identified several issues identified by ACS members, as well as how these issues were being reviewed and/or addressed. Members noted the urgency of the jobs issue, and she is establishing a task force to examine the mismatch between the number of job seekers and jobs available. The task force will begin by reviewing the contributors to the jobs problem, including demographic concerns, public attitudes toward science, STEM salaries and job differences between STEM disciplines. Dr. Nelson concluded by announcing the membership of her task force.

Immediate Past President

ACS Immediate Past President Tom J. Barton reported that he has been continuing to advance his initiatives, which include working with the staff in the Education Division to provide stipends to incentivize high school chemistry teachers to attend ACS regional meetings, hosting sessions at regional meetings for industrial chemists, holding meetings with ACC, developing plans for a joint task force on community colleges, and working with fellow Board member Ingrid Montes to conduct ACS webinars in Spanish.

Executive Director and Chief Executive Officer

ACS Executive Director and Chief Executive Officer Thomas M. Connolly stated that he is honored to have the opportunity to serve in his position, and that the members of the Board and staff have been helpful, friendly, and welcoming. He reflected on his time allocation over his first 100 days as CEO, and of his meetings and conversations with members and staff. He noted that ACS has tremendous strengths in its membership activities, its journals, and in CAS, and looks forward to the challenges ahead.

Guest Presentation

Dr. Confalone informed the audience that Deborah Blum, the speaker originally scheduled for the meeting, was unable to attend due to extenuating family circumstances. He then introduced Bibiana Campos-Seijo, Editor-in-Chief, C&EN, who graciously agreed to rearrange her schedule to speak on “Getting Bang for Your Buck in Science Communications.”

Dr. Campos-Seijo shared her life story and work before assuming her duties at ACS’ weekly newsmagazine in December, 2014. Speaking on the importance of reporting and communicating about chemistry using all forms of social media, she reminded the audience that chemistry is a wide-ranging discipline that has a vibrant legacy of great researchers. It is vital to know the “language” of chemistry, to understand our audience, to be accurate but accessible, and to have fun. She briefly shared current activities and future projects associated with C&EN and C&EN Online.

Following Dr. Campos-Seijo's presentation, Dr. Confalone thanked her for sharing her informative and enlightening views on how science is communicated in today's world via various social media. Dr. Campos-Seijo then answered questions posed by members of the audience.

At the conclusion of the question and answer session, Dr. Confalone thanked all the participants for the success of another filled-to-capacity meeting.

There being no further business, the meeting was adjourned at 1:00 p.m.

Flint H. Lewis  
Secretary

**BOARD CHAIR'S REPORT  
OF THE EXECUTIVE SESSION  
ACTIONS AND DISCUSSION ITEMS  
JUNE 2015**

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

**The Board's Committees**

- The Board of Directors received reports from its Committee on Grants and Awards (G&A) and on Executive Compensation.
- The Committee on Grants and Awards announced Mostafa El-Sayed as the recipient of the 2016 Priestley Medal, and H.N. Cheng as the recipient of the 2016 Award for Volunteer Service to the ACS. On the recommendation of G&A, the Board VOTED to approve financial options for two ACS awards and to decline the establishment of a new award.
- On the recommendation of the Committee on Executive Compensation, the Board VOTED to select Quatt Associates to conduct an executive compensation market study in 2015. The Board ensures these benchmarking studies are conducted regularly.

**The Executive Director/CEO Report**

- The Executive Director/CEO and his direct reports updated the Board on the major challenges and projects facing the Society this year and recent updates since the spring meeting; and the activities of Chemical Abstracts Service (CAS), the ACS Publications Division, the Society's Treasurer, and the Society's General Counsel.

**Other Society Business**

- The Board VOTED to approve actions arising from the spring Council meeting: continuation of the Joint Board Council Committee on Science; the establishment of International Chemical Sciences Chapters in India and Taiwan; and ratification of Board interim actions.
- The Board VOTED to amend the Board Regulations to establish the Governing Board for the American Association of Chemistry Teachers (AACT).
- On the recommendation of the Editor Search Committee, the Board VOTED to approve the appointment of an inaugural Editor-in-Chief for a new ACS journal.
- The Board heard reports from the Presidential Succession on their current and planned activities for the remainder of 2015 and for 2016.
- As part of its ongoing commitment to consider the most important strategic issues facing the Society, the Board reviewed follow-ups from its March discussion on ACS governance effectiveness and agility, and continued with the question "What can and should be done to increase the efficiency and appropriateness of the ACS governance decision-making process?" Additionally, the Board reviewed initial committee responses received on the strategic issue question for its next meeting, "Are ACS Local Sections and Divisions as strong and healthy as ACS needs them to be?"

- The Board debriefed and identified follow-up actions from its Board Retreat, conducted June 3-4 in Baltimore.
- The Board passed a resolution in memory of ACS Past President Eli Pearce, who died May 18, 2015.

Pat N. Confalone  
Chair, ACS Board of Directors

## REPORT OF THE EXECUTIVE DIRECTOR

In Boston, we will celebrate the 250<sup>th</sup> ACS National Meeting. The program theme, “Innovation from Discovery to Application” is fitting and our location appropriate in a city known as a hub for innovation and cutting edge science. We have an extensive and exciting technical program, as well as numerous presidential events. On Sunday, August 16, ACS will host the prestigious ACS Heroes of Chemistry Awards, recognizing winning teams from Bristol-Myers Squibb, Celgene, Dow Chemical, Eastman Chemical, Gilead Sciences, and Pfizer. We honor these teams for their work leading to advances in the welfare of humanity. 78 ACS members were selected for the 2015 class of ACS Fellows and will participate in the induction ceremony on Monday, August 17 from 2:00–4:30 p.m. Also, the Boston National Meeting will feature two outstanding Kavli Foundation Lecturers—Dr. George Whitesides (The Fred Kavli Innovations in Chemistry Lecture) from Harvard University and Dr. William Dichtel (The Kavli Foundation Emerging Leader in Chemistry Lecture) from Cornell University on Monday afternoon, beginning at 4:00 p.m. in the Convention Center.

ACS's financial performance remains strong and I am pleased to report that the Society's Net from Operations is running favorable to budget through June 30. While revenues are slightly behind the phased budget, the shortfall has been offset by effective expense management efforts that have produced favorable variances in almost every major expense category. In Boston, the Society Committee on Budget and Finance will receive management's first Probable Projection for 2015. The Probable #1 forecast suggests favorable budgetary performance for the year.

The ACS Scholars Program's 20<sup>th</sup> Anniversary Appeal has a 2015 goal of \$1 million, of which \$700,000 has been raised year-to-date. Notably, Procter & Gamble pledged \$325,000 to bring the company's cumulative contributions to \$1.0 million. Pfizer pledged \$112,000 to become the 17<sup>th</sup> corporation or foundation to give at the National Partner level of more than \$100,000 since the program's inception. Gifts and pledges to the ACS Scholars Program Endowment have grown to \$2 million since the fund was established in 2013.

CAS continues to execute its Strategic Plan for Growth and Optimization with the launch of three new products in 2015. These new products, PatentPak<sup>TM</sup>, NCI<sup>TM</sup> Global, and CHEMCATS<sup>®</sup>, expand CAS's product portfolio with a workflow solution for scientists, a solution for regulatory professionals, and a new business model for chemical suppliers whose products are promoted via SciFinder<sup>®</sup>. Development continues on new technology platforms for CAS's flagship products, SciFinder and STN<sup>®</sup>, with another release of new STN and completion of the product roadmap, along with defined product capabilities for the future SciFinder. And CAS's global expansion continues to build strong momentum. ACS International, Ltd. (ACSI) now has 36 global sales representatives, which includes the following countries: China, South Korea, India, Russia, Singapore and Ukraine, and plans to hire an additional 18 global representatives in 2015.

*ACS Central Science* (<http://pubs.acs.org/journal/acscii>), the Society's new open access journal, has now attracted more than 240 submissions from 14 countries, with 65% of the submissions from outside the United States. The second issue was released in May and publicized by a tweet chat with Editor-in-Chief Carolyn Bertozzi. The chat generated more than one hundred thousand impressions.

ACS Publications introduced *ACS2Go*, the new mobile delivery capability that enables users complete access to the ACS Publications suite of journals on smartphones and tablets (see <http://pubs.acs.org/page/acs2go>). The promotional launch included a promotional video, print advertising, digital banner spots, social media, and email. *ACS2Go* enables users to browse journals and articles; download articles to mobile devices for offline reading; search journals by keyword, author or title; scan recently published ASAP articles; view and search references and related links; share articles and links via email; and select journals/articles as favorites for quick reference from a user's home screen.

As part of ACS Publications' international outreach, and in collaboration with the Institute of Chemistry of the Chinese Academy of Sciences (ICCAS), *ACS Applied Materials & Interfaces (AMI)* held a symposium in Beijing to acknowledge the support of its authors and readers in China. The symposium was organized by two of the journal's China-based Associate Editors, Dr. Shu Wang (ICCAS) and Dr. Chunhai Fan (Shanghai Institute of Applied Physics), as well as Editor-in-Chief, Dr. Kirk Schanze, with the support of staff from ICCAS and ACS. During the course of the two-day event, a total of 50 presentations were given by prominent researchers in materials and interface science from all around China. Over 100 attendees were able to interact with the five ACS AMI editors, and nine Editorial Advisory Board members were also present to discuss their research and foster collaborations.

ACS Publications, in collaboration with Membership & Scientific Advancement and CAS, held a series of three *ACS on Campus* events in Brazil. Full-day agendas focused on authoring and the publication process, as well as evening *Science Cafes*. The events brought a strong audience to each location with high interaction from the audience. Faculty, student and librarian breakout sessions were widely attended, attracting more than 400 attendees. The events were held at the following sites:

- Universidade Federal do Rio Grande do Sul - UFRGS (Porto Alegre)
- Universidade Federal de Santa Catarina – UFSC (Florianopolis)
- Universidad de Campinas – UNICAMP

ACS is scheduled to hold 10 ACS on Campus events in 2015. Seven events were completed (2 in India, 3 in Brazil, and 2 in the U.S.).

*C&EN's Chemistry in Pictures* was rated near the top of *Wired* magazine's list of 'our favorite places on the web where you can experience the large-scale and explosive industrial, chemical, and engineering research taking place around the country.' – see <http://www.wired.com/2015/05/find-best-scientific-explosions-web/#post-1?hootPostID=648388eb33c938e32c04cf47bc56bea>. The contest launched in early 2014 to showcase the beauty of chemistry, chemical engineering, and the allied sciences through visually compelling photos and images and now has almost 40,000 followers. Contestants submit photos and captions and *C&EN* editors pick monthly winners.

Membership & Scientific Advancement's initiative, the ACS Insight Lab, is an online research panel of ACS members where ACS can gather and analyze insights informing about product development and marketing decisions before, during and after implementation. Staff units who want to develop new products or find improvements for existing products, can use the Insight Lab to inform the product development process while also reducing staff time and costs. More than 2,800 members have signed up for the ACS Insight Lab since its launch March 2015. Activities have included eliciting member feedback on ACS meetings, technical divisions, *C&EN*, ACS Presentations on Demand, market intelligence and local section news. Separately, the 2015 ChemCensus survey has drawn a robust 34% response rate so far, with more than 25,000 responses received to date.

The Camille & Henry Dreyfus Foundation awarded \$50,000 to the American Association of Chemistry Teachers (AACT) for the creation of specialized multimedia for teachers of chemistry. These online resources will focus on atomic and molecular structure and will help students make connections between the macroscopic, particulate, and symbolic conceptual levels of chemistry.

The PRF Advisory Board met in May and recommended 108 proposals for support, with a combined total funding of \$10,760,000. These recommendations were approved by the ACS Board of Directors' Standing Committee on Grants and Awards at its June meeting.

The U.S. will be represented at the International Chemistry Olympiad by Sooraj Boominathan (Oklahoma Local Section), Bryce Cai (Chicago Local Section), Janice Ong (Chemical Society of Washington Local Section), and David Wang (Santa Clara Valley Local Section). The competition will be held in Azerbaijan in July.

At its June meeting, the Board Committee on Public Affairs and Public Relations adopted position statements for ACS in three new issue areas—persons with disabilities, hydraulic fracturing, water treatment and conservations. These statements join our 24 existing statement topics and open up new areas for ACS and its members to advocate on important public policy matters. If you have an interest in examining these new statements as well as the existing statements, I encourage Councilors to visit [www.acs.org/policy](http://www.acs.org/policy).

Based upon feedback from committees and groups at the Denver National Meeting, the Planning Committee further refined a list of trends that are most significant and likely to affect chemistry, chemists, and the ACS in the next 10 years. These “emerging trends” will be used to provide a deeper understanding of how it may affect our current and future activities, and also to help shape the direction of the *ACS Strategic Plan for 2016 and Beyond*, which will be approved in December by the Board of Directors.

Since March, the Society designated three National Historic Chemical Landmarks, bringing the total to nearly 80. They include:

- The Keeling Curve, which measures atmospheric carbon dioxide levels. It was celebrated at NOAA’s Mauna Loa Observatory in Hilo, Hawaii, and at Scripps Institution of Oceanography at UC San Diego.
- The William Kelly Pneumatic Iron Process in Eddyville, Kentucky, and Murray State University, in Murray, Kentucky.
- Recently, ACS honored Edwin Land and Instant Photography at the MIT Museum in Cambridge.

I would encourage all Councilors and Committee Chairs to think about submitting a Landmark nomination for seminal chemistry in your geographic area or technical field. For more information go to [www.acs.org/landmarks](http://www.acs.org/landmarks).

Washington IT continues to provide enhanced features to various ACS applications. A new Calendar feature was added to the acs.org home page. This new feature highlights scheduled upcoming events. It contains information on local, online and national events. The AACT membership renewal capabilities were moved into production in May. As the annual renewal date for the first members of AACT approaches, the Society is now prepared to ensure members can successfully renew their memberships.

A National Meeting Programming Summit will be held during the ACS meeting in Boston to introduce national meeting Program Chairs to features within the Meeting Abstracts Programming System (MAPS) that will allow them to effectively manage their programs beginning with the San Diego National Meeting. The Summit will also provide opportunities for the Program Chairs to discuss ways to collaborate on future programming and to learn more about their role as a Program Chair. This Summit will set the stage for providing the Program Chairs with direct access to the MAPS system. The first session will be Wednesday, August 19<sup>th</sup>, 2:00 – 6:00 p.m. and the second session will be Thursday, August 20<sup>th</sup>, 9:00 a.m. – 1:00 p.m. Both sessions will be held in the Boston Convention & Exhibition Center.

As you can see, our time since Denver has been filled with important advances for ACS on many fronts. I look forward to my next opportunity to provide additional details during my next report to Council. I will see you all in Boston.

Thomas M. Connelly, Jr.

REPORT OF THE GOVERNING BOARD FOR PUBLISHING  
TO ACS COUNCIL

The following is a brief summary of the February and May 2015 meetings of the Governing Board for Publishing.

**CAS (Chemical Abstracts Service)**

CAS management reported on CAS's financial and operating highlights for the first quarter of 2015 and provided an executive summary noting that financial performance is tracking to Plan with revenue growth beginning to accelerate while cost savings continue to provide fuel for the self-funding growth Plan. In addition, the roadmap for SciFinder is now complete with epics, cost and milestones quantified. New product launches are meeting expectations and the product pipeline continues to expand. Planning for the Innovation Organization and related processes is complete and the new Project Management Office (PMO) infrastructure is already paying dividends. The Global Sales Force expansion is building momentum. Finally, a high level review of the Business Continuity and Disaster Recovery plans were provided as well as an update on the culture shift within the framework of a Highly Performing Functional Organization.

**ACS Publications**

ACS Publications Division management reported on highlights of the Division's operational performance for the first calendar quarter of 2015. Cost-effective ACS Managed Support continues to provide full-time editorial peer review support now for 234 external ACS editors, including 17 editors-in-chief, 3 deputy editors and one executive editor from 41 of 47 peer-reviewed journals. All of the new editors contracted for 2015 are in place and using either ACS Managed Support or other non-local assistant means of support. Submissions to new journals *ACS Biomaterials Science & Engineering* and *ACS Infectious Diseases* are tracking with business plan goals. *ACS Central Science*, the Society's new solely open access journal, launched at the Spring National Meeting in Denver. The recommendation of an Editor-in-Chief search committee for *ACS Sensors* (2016 new journal) has been approved by the ACS Board. On other publishing fronts year-to-date 2015 author uptake of the immediate *ACS AuthorChoice* option has effectively doubled versus 2014 opt-ins, to nearly 3.8% participation by authors, reflecting a stimulus effect from the new author *ACS Author Rewards* loyalty program, for which redemption of credits issued to authors has now begun for the period 2015-17.

Thomas Connelly, Jr., Chair

REPORT OF THE GOVERNING BOARD FOR THE ACS GREEN CHEMISTRY INSTITUTE®  
TO ACS COUNCIL

Listed below are highlights of action items completed by the ACS Green Chemistry Institute® (ACS GCI) since its last report to Council in fall 2014.

- **19<sup>th</sup> Annual Green Chemistry & Engineering Conference (GC&E):** The conference will be held on July 14-16, 2015, at the North Bethesda Marriott in Bethesda, MD. There will be over 30 technical sessions, 14 sponsors, and 20 exhibitors. The Organizing Committee members include: Dr. David Leahy, Principal Scientist at Bristol-Myers Squibb; Dr. Bruce Lipshutz, Professor, University of California Department of Chemistry, Santa Barbara; and Dr. Joseph Stanzione, Assistant Professor, Rowan University College of Engineering. Keynote speakers include: Dr. Frances Arnold, Dickinson Professor, California Institute of Technology Department of Chemical Engineering, Bioengineering, and Biochemistry; Dr. Angela Belcher, Professor, Massachusetts Institute of Technology Department of Biology Engineering and Materials Science and Engineering; and Dr. Deborah Mielewski, Senior Technical Leader, Materials Sustainability, Ford Motor Company Research. Highlighted events include:
  - **Webinar Broadcast:** The “Catalyzing Sustainable Innovation Through Design & Synthesis” will be hosted to engage a global audience with a panel discussion. It will feature the EPA/NSF Network for Sustainable Molecular Design and Synthesis.
  - **Student Workshop:** ACS GCI received a \$30,000 grant from the National Science Foundation, to sponsor this one-day workshop. It is open to undergraduate and graduate students and will be facilitated by Dr. Peter Mahaffy, Professor of Chemistry, King’s University. Attendees will learn and practice how to evaluate the impact of chemicals and syntheses, practice determining the greenest option, and have the opportunity to assess their own research.
  - **Green Business Plan Competition:** The competition is a forum for companies in their initial stages of the business life cycle to pitch a business plan that incorporates green chemistry and engineering. Seven businesses submitted applications.
  - **ACS Careers Workshop:** Facilitated by Jodi Wesemann, Assistant Director of Education Research, American Chemical Society, this interactive workshop will provide attendees with the opportunity to excel their professional development and obtain important tools for job seeking.
  - **5<sup>th</sup> Annual Roundtable Poster Reception:** This is an exclusive industry-focused event that will be hosted by ACS GCI’s Chemical Manufacturers’, Formulators’, Hydraulic Fracturing, and Pharmaceutical Roundtables.
  - **Awards:** Leah Rubin-Shen from the University of California, Berkeley and Alan Medina-Gonzalez from Augsburg University will be the recipients of the 2015 Kenneth G. Hancock Memorial Award. Lauren Grant from the University of California, Berkeley and Zackary Wickens from the California Institute of Technology will be recognized as the 2015 Joseph Breen Memorial Fellowship winners.
- **Presidential Green Chemistry Challenge Awards & Reception:** This is the 20<sup>th</sup> year of this prestigious national award. The ACS GCI hosted the 2015 EPA Presidential Green Chemistry Challenge Awards judging panel on March 13, 2015 and the winners will be announced at the National Academy of Sciences on July 13, 2015. This ACS GCI sponsored awards ceremony was held in conjunction with the 19th Annual GC&E Conference.
- **Communications:**
  - **Webinar Stats**
    - Hosted a webinar entitled, “Making Plastics Greener Through Next Generation Polymers” with Marc Hillmyer, University of Minnesota. Over 1,481 people registered and 735 attended. Co-produced a webinar featuring the University of Minnesota’s Center for Sustainable Polymers and their research.

- Co-produced a webinar with ACS Webinars featuring Dr. Bruce Lipshutz's (University of California, Santa Barbara) innovative sustainable surfactant research.
- ***The Nexus* Newsletter Stats**
  - Current Distribution: 15,250
  - Average Open Rate: 18.7%
  - Average Click to Open Rate: 11.2%
- **Outreach**
  - **ACS National Meeting Outreach:** Staff communicated what green chemistry is and what ACS GCI offers to hundreds of meeting attendees. Over 520 were added to our mailing list and more than 130 were engaged in the "What's Your Green Chemistry?"™ campaign.
- **Educational Roadmap:** Work on the Green Chemistry & Engineering Education Roadmap has continued. A consulting firm, Energetics, has been selected to facilitate the workshops and aid in the development of the final roadmap document. The visioning workshop is planned for summer 2015 followed by a larger roadmapping workshop in the fall.
- **The ACS GCI Industrial Roundtables:** The ACS GCI Industrial Roundtables were awarded a planning grant from the NIST Advanced Manufacturing Technology Program. The proposal is entitled 'Sustainable Separation Processes: Creating a Roadmap to Accelerate Industrial Application of Less Energy-Intensive Alternative Separations (ALTSEP).' The \$500,000 grant is for a 24 month period and seeks to leverage an existing industry-led consortium to create an innovation roadmap for advancing the design and predictable, widespread, industrial application of less energy-intensive separation processes as alternatives to distillation. The submission was a team effort with the ACS GCI Chemical Manufacturer's Roundtable leading the effort, supported by ACS GCI, AIChE, ACS Finance, and others.
  - **Formulators' Roundtable**
    - Dr. Philip Jessop, Queen's University, and ACS GCI Board Member, proposed a project to identify greener small amines, a key issue identified by the ACS GCI Formulators' Roundtable. The Roundtable agreed to explore opportunities to fund the project.
    - The ACS GCI Formulators Roundtable published a paper in Green Chemistry titled, "Opportunities for Greener Alternatives in Chemical Formulation."
    - All participating companies noted an interest in at least two of the following projects: 1) Building on the published manuscript focus areas: fragrances, small amines, chelating agents, or preservatives; 2) Adapting the ACS GCI Pharmaceutical Roundtable solvent guide for formulators; 3) Compiling an industry profile with respect to green chemistry in the formulated consumer products industry; and 4) Addressing the misperception that green doesn't perform.
  - **Pharmaceutical Roundtable**
    - Eight proposals were received for consideration for Greener Amide Reduction Grant with Dr. Matthias Beller of Leibniz-Institut für Katalyse selected as the recipient of the \$50,000 Grant.
    - The ACS GCI Pharmaceutical Roundtable awarded a \$100,000 grant to Dr. Neal Mankad of University of Illinois at Chicago to develop his greener bimetallic catalysis work.
    - The ACS GCI Pharmaceutical Roundtable agreed to provide training material to the International Consortium for Quality & Innovation in Pharmaceutical Development (IQ Consortium) for their use in a green chemistry training course. Credit will be given to the Roundtable for the material. Many Roundtable members are also members of the IQ Consortium and participating in the training course.
    - Dr. Stefan Koenig, Genetech, was elected to be the next co-chair for the ACS GCI Pharmaceutical Roundtable. Dr. Juan Colberg, Pfizer, will be stepping down in June at the conclusion of his two-year term.

- The ACS GCI Pharmaceutical Roundtable convened a 10-year anniversary meeting and a symposium April 14 -16, 2015 at the Roche Headquarters in Basel, Switzerland. Thirty-four members and one prospective member actively participated in the meeting and over 120 industry and academic attendees proactively engaged with five leading European green chemistry academic researchers at the symposium.
- **Chemical Manufacturer's Roundtable**
  - A manuscript entitled “Implementing Green Chemistry in Chemical Manufacturing: A Survey Report” co-authored by the ACS GCI Chemical Manufacturer’s Roundtable was accepted and published in ACS Sustainable Chem. Eng., Article ASAP.
  - Dr. Tingyu Li from the National Science Foundation discussed the SusChEM program and highlighted potential other programs for which the Roundtable and/or its members may choose to pursue in the future.
- **Hydraulic Fracturing Industrial Roundtable:**
  - Danny Durham of Apache Corporation and Dave Long with the ACS GCI Board were appointed as co-chairs of the Hydraulic Fracturing Roundtable.
  - Clean Production Action agreed to make the assessments of 40 chemicals available to ACS GCI Hydraulic Fracturing Roundtable members free of charge.
  - Clean Production Action (CPA) reviewed their GreenScreen Assessments of hydraulic fracturing chemicals. Lauren Heine, Co-Director of CPA and an ACS GCI Board member, agreed to make the assessments of 40 chemicals available to Hydraulic Fracturing Roundtable members free of charge.
  - The ACS GCI Hydraulic Fracturing Roundtable reviewed the project to associate GreenScreen assessments of fracking chemicals (contracted work began in Jan. 2015) as well as a matrix developed by members and compared the GreenScreen assessments with the Intrinsic System. The Roundtable also explored the idea of a blinded comparison of the GreenScreen chemicals against internal company assessments to evaluate differences.
  - The ACS GCI Hydraulic Fracturing Roundtable completed a project to correlate GreenScreen Assessments with SkyTruth & FracFocus data and discussed further exploration of a possible blinded exercise to better understand company chemical hazard assessment systems and explored the potential to collaborate with the ACS GCI Formulators’ Roundtable on a project to identify greener small amines.

Kent Voorhees, Chair

**DRAFT**  
**MINUTES**  
**COUNCIL POLICY COMMITTEE**  
**AMERICAN CHEMICAL SOCIETY**  
Denver, Colorado  
March 24, 2015

The Council Policy Committee (CPC) of the American Chemical Society met in Denver, Colorado, on March 24, 2015, beginning at 8:00 a.m. Chair Diane Grob Schmidt presided. Other voting members present were: Harmon B. Abrahamson, Lawrence Barton, Tom J. Barton, Frank D. Blum, Mary K. Carroll, Thomas M. Connelly, Alan M. Ehrlich, Lynne P. Greenblatt, Peter C. Jurs, Lee H. Latimer, Donna J. Nelson, Carolyn Ribes, Andrea Twiss-Brooks, and Linette M. Watkins. Flint H. Lewis served as Secretary.

The following chairs of Society, Elected, and Standing Committees of the Council, all non-voting members of CPC, attended all or portions of the meeting: James C. Carver, Richard D. Cobb, William R. Ewing, Wayne E. Jones, Diane Krone, James M. Landis, Will E. Lynch, Michael J. Morello, Kristen M. Omberg, and Martin D. Rudd. Several Councilors, ACS staff, and others were present as observers at various times during the meeting.

Report of the Subcommittee on Nominations

1. VOTED, in accordance with Bylaw III, Sec. 3.b.(3), that the Council Policy Committee approve the list of potential candidates, as presented by the Subcommittee on Nominations, for election to 2016-2018 terms on the Committee on Nominations and Elections.
2. VOTED that the Council Policy Committee authorize the chair of the Subcommittee on Nominations to amend the approved list of candidates for election to the Committee on Nominations and Elections, in consultation with the chairs of the Committee on Nominations and Elections and the Committee on Committees, to avoid duplications in the candidate lists for the Council Policy Committee, the Committee on Committees, and the Committee on Nominations and Elections.

Approval of Minutes

3. VOTED that the Council Policy Committee approve the minutes of the August 12, 2014, meeting of the committee.

Report of Interim Action of the Council Policy Committee

4. CPC 1-2014. VOTED to elect Dr. Alan M. Ehrlich as Vice Chair of the Council Policy Committee for 2015.

Reports of Committee Chairs and Society Officers

The Council Policy Committee divided into four subgroups for the purpose of reviewing the proposed oral reports to Council of officers and committee chairs. The subgroups met from 8:15 to 9:15 a.m.; Lee Latimer (for Diane Schmidt), Tom Barton, Lawrence Barton (for Donna Nelson), and Alan M. Ehrlich served as chairs of the subgroups.

Upon reconvening at 9:30 a.m., the committee received reports from the chairs of the subgroups, with the reports emphasizing items for which Council action would be required on March 25. In the subgroups, reports were presented by the officers and by the chairs of the Elected Committees on Committees and on Nominations and

Elections; the Society Committees on Budget and Finance and on Education; the Standing Committees on Constitution and Bylaws, Divisional Activities, Economic and Professional Affairs, Local Section Activities, Meetings and Expositions, and Membership Affairs; and the Joint Board-Council Committees on Chemistry and Public Affairs, Environmental Improvement, International Activities, Professional Training, Science, and Women Chemists; including reports on progress and recommendations resulting from their work during their sessions held in Denver, Colorado, prior to the CPC meeting. By individual actions, CPC concurred in certain recommendations to be made to Council by the committees. These appear below and, as appropriate, in the record of the March 25 Council meeting. All references in these minutes to actions and reports relate to the March 25, 2015 meeting of the Council unless otherwise noted.

5. VOTED that the Council Policy Committee authorize the use of projected graphics as part of the reports to Council by the Committees on Budget and Finance, Committees, Constitution and Bylaws, Economic and Professional Affairs, International Activities, Local Section Activities, Meetings and Expositions, and Nominations and Elections.
6. VOTED that the Council Policy Committee authorize the use of projected graphics as part of the reports to Council by the President and the President-Elect.
7. VOTED that the Council Policy Committee authorizes additional time for the reports to Council by the Executive Director, the Committee on Membership Affairs, and the Committee on Women Chemists.
8. VOTED that the Council Policy Committee authorizes the Committee on Local Section Activities to place a brochure on the seats at the Council meeting.
9. VOTED that the Council Policy Committee concurs with the Committee on Budget and Finance's recommendation to Council that the 2016 dues be set at the fully escalated amount of \$162.
10. VOTED that the Council Policy Committee concurs with the Committee on International Activities' recommendations that Council approve the establishment of International Chemical Sciences Chapters in India and Taiwan.
11. VOTED that the Council Policy Committee concurs with the Committee on Committees' recommendation that Council approve the continuation of the Committees on Ethics and on Science.
12. VOTED to authorize the Executive Director/CEO to take up to 4 minutes for his regular oral reports to Council and to amend the CPC guidelines accordingly.

Report of the Council Policy Committee Vice-Chair

Vice-Chair Alan Ehrlich provided an overview of the activities of several CPC subcommittees and task forces, including the Subcommittee on Long-Range Planning; the Subcommittee on Petitions, Constitution and Bylaws; the Task Force on Divisor Communications, and the Task Force to Review the Councilor Travel Reimbursement Policy. Dr. Ehrlich also reported that as CPC Vice Chair he is a member of the Board Committee on Planning, which is charged with developing and communicating the ACS Strategic Plan. In Denver, the committee focused on the most significant forces affecting the future of the chemistry enterprise. These forces have been identified through the committee's environmental scanning efforts. He concluded his report by calling attention to the items coming before Council for action and two petitions up for consideration in Denver.

13. VOTED, on recommendation of the CPC Vice Chair, to discharge the Task Force to Review the Councilor Travel Reimbursement Policy with thanks.

### Reports of Subcommittees and Task Forces

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

Subcommittee chair Harmon B. Abrahamson distributed a draft version of a petition to amend the ACS Bylaws to include authorization to remove Councilors or Alternate Councilors from office for “neglect of their duties, misconduct, or conduct which tends to injure the SOCIETY or the unit they represent, or to adversely affect its reputation, or which is contrary to its objects.” He also distributed a draft procedures document which provides additional detail on the process for removing a Councilor or Alternate Councilor. This document provides the background detail referred to in a petition to amend the bylaws, which will be up for action in the fall (Boston) Council meeting. The procedures document will also be in the Boston Council agenda as a “blue sheet” (for action). His subcommittee recommends that the petition come up for action first, but be contingent upon subsequent approval of the procedures document.

#### B. Report of the Subcommittee on Long-Range Planning

Subcommittee chair Carolyn Ribes reported on the following actions by the subcommittee: It met virtually on January 26 to discuss plans for the pre-national meeting webinar for new Councilors and Alternate Councilors. That webinar was held February 3 and the New Councilor Orientation was held March 21. These two events provided information for new Councilors and Alternate Councilors about their role in governance, the strategic goals of the Society, the Mentorship Program, and what to expect at their first ACS National Meeting as a Councilor. Thirty-three of the newly elected leaders participated in the webinar and there were 72 total participants at the New Councilor Orientation. The latter participants gave the orientation a 4.3 rating on a scale of 1-5. Numerous other activities have been undertaken by the subcommittee and other ACS leaders, including holding a Strategy Café event on March 22 with 81 participants. As in the past, all new Councilors have been assigned mentors. Dr. Ribes concluded by reporting that the subcommittee had worked with the CPC Vice Chair on revisions for the guidelines for special discussions at Council.

14. VOTED, on recommendation of its Subcommittee on Long-Range Planning, to approve the Guidelines for Special Discussions at Council, as presented (attached).

#### C. Task Force on Divisor Communications

Lee Latimer, the task force chair, reported that the ACS bylaws require that every four years a specific process be followed to determine how many Councilors each local section and division will be entitled to for the succeeding four-year period. The process first identifies a range of permissible divisors which, when divided into the member population of each local section, determines the number of Councilors to which each section is entitled. Another calculation flows from these divisors and determines the number of Councilors to which each division is entitled. Dr. Latimer presented the divisor that the Task Force and ACS Secretary were recommending. He said the divisor produced a result that was most consistent with the stated criteria of minimizing the negative impact on local section and division representation numbers and the overall size of Council. He said that the affected units would be notified within two weeks of this meeting. Dr. Latimer further noted that in implementing over many years the criteria which were selected to avoid negative impacts or decreases in representation numbers, there has been a creep in the size of Council. He asked CPC if it wanted to manage the size of Council downward or to cap its overall size.

15. VOTED that the Council Policy Committee approves the divisor (420 and N=655), as recommended by its Divisor Communications Task Force and the ACS Secretary, for determining the allowable number of Councilors for each local section and division for the period 2016-2019.

CPC requested that the Subcommittee on Long-Range Planning review and report back on the issue of overall Council size and the balance between division and local section representation on Council. Dr. Ribes agreed to this

task and added that the subcommittee would review the data on the relationship between member population and Council size, recommend whether the criteria used to select a divisor are appropriate and whether any changes were needed in ACS bylaws or in the practice and/or timing of selecting divisors, and report back at the next CPC meeting.

16. VOTED that the Council Policy Committee discharges the Task Force on Divisor Communications with thanks.

Summary of Councilor Travel Expenses

Dr. Schmidt called attention to the Councilor travel reimbursement program summary for the fall 2014 national meeting, which was in the committee agenda.

Summary of Non-Councilor Travel Expenses

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

Schedule of Business Sessions

The following schedule of activities at the fall 2015 National Meeting is the result of previous authorization by the Council Policy Committee:

Board of Directors: Sunday, August 16

Council Policy Committee: Tuesday, August 18

Council: Wednesday, August 19

Society Committees: executive and open sessions to be set by each body, provided that at least one executive session be set prior to the Board of Directors meeting, and at least one open session be set prior to the Council meeting if the committee agenda contains any issue to be voted upon at the Council meeting.

Standing Committees of the Council: executive and open sessions to be set by each committee, with the concurrence of the Committee on Committees, provided that at least one executive session be set no later than Tuesday morning, and at least one open session be set prior to the Council meeting if the committee agenda contains any issue to be voted upon at the Council meeting.

Council Agenda

17. VOTED that the Council Policy Committee approve the Council Agenda for the March 25, 2015 meeting of the Council.

CPC and Council 2015 Budgets

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

Old Business

### Electronic Council Agenda

Frank Blum led a discussion and it was reported that only 229 out of 915 Councilors and Alternate Councilors had requested electronic, rather than hardcopy agendas for this Council meeting. Still, the trend of the requests is toward electronic agendas. He urged that CPC move the Council toward use of electronic agenda as rapidly as possible. Following Dr. Blum's comments, committee members made observations and posed questions on why Councilors do not want electronic agenda, whether power sources for the increased number of computers would be an issue if more Councilors relied upon electronic agenda, asking Council to do a clicker test poll on electronic agenda (Dr. Blum asked that potential clicker test questions on this subject be sent to him), the possibility that more electronic agenda would result in more computers in use at Council meetings — which could be distracting, and the alternative approach of requiring rather than requesting the use of electronic Council agenda. At the conclusion of the discussion, the committee members reached consensus that (1) there will be a clicker test vote at the 2015 Fall National meeting (Boston) on requiring (or presenting as an opt-out situation) electronic agenda for Councilors, and (2) Starting with the 2015 Fall National meeting (Boston), Alternate Councilors should only be sent electronic agenda (or have to "opt-out" of receiving an electronic agenda). Andrea Twiss-Brooks volunteered to draft a communication on this issue for the Councilor Bulletin.

### New Business

#### Transcriptions of Council Proceedings (Accessibility)

Flint Lewis said that a staff group has been considering ways to make ACS products and services more accessible to those who are visually or hearing impaired. He reviewed the results of a Councilor poll (done as a clicker test vote) conducted at the spring 2014 Council meeting. Fifty-four percent of the Councilors responding to that poll favored having a transcription of Council proceedings projected on the screen (real-time captioned). Assistant Secretary Frank Walworth added that staff had met with vendors who suggested devoting a section of the Council floor seating to have a view of a screen or monitor showing such a transcription. Costs would include having a person typing the real-time captions and two screens and other audio visual charges. Jim Landis confirmed that the Committee on Chemists with Disabilities was involved from the start in this accessibility effort. The committee discussed how to get further Council input on accessibility at Council. Comments included suggestions for another clicker test or an online survey of Councilors asking "Do you *need*" these transcription services rather than "Would you *like*" them? The committee reached consensus in favor of the following steps: (1) CPC will ask N&E to conduct a clicker vote on assistive technologies at Council in the fall national meeting (Boston) and (2) the ACS Secretary will conduct a survey of Councilors about their need for assistive technologies and then follow up with specific questions.

### Open Forum

Councilor Ean Warren from the Santa Clara Valley Section commented that he supports: (1) moving to an "opt-in" approach whereby a Councilor must request the hard copy Council agenda in order to receive one, and suggests the costs of producing paper copies be made a part of the communication; (2) communicating the clicker test poll at Council on the subject of electronic agenda as a "serious" poll; (3) receiving Council minutes prior to their being mailed with the agenda; (4) including small pictures of nominees in the Council agenda; and (5) finding a way to encourage Councilors to stay for the entire Council meeting.

There being no other old or new business, the meeting was adjourned at 11:46 a.m.

Flint H. Lewis  
Secretary

## REPORT OF THE COMMITTEE ON COMMITTEES

At its meeting in Denver, CO, March 23-24, 2015, the Committee on Committees (ConC) developed its recommendations for 2016 Chairs of the Council Standing and Other Committees for approval by the President-Elect in June 2015. In Boston, the committee will continue developing recommendations for all appointments to Council, Society, Other, and Joint Board-Council committees for consideration by the President-Elect and Chair of the Board of Directors.

Due to the scheduling change of the ACS Board of Directors Meeting in December, the meeting with ACS President-Elect and ACS Board Chair to review and approve the committee appointments and reappointments recommended by ConC will be held in mid-December. Once the recommendations have been approved, the appointment and reappointment letters will be sent out immediately.

Also in Boston, ConC will receive reports and consider recommendations from its subcommittees on Leadership Development and Diversity, and the task forces on the Committee Performance Review Process and the Review of the Society Committee Bylaws.

ConC will also receive updates on scheduled performance reviews for the Committees on Analytical Reagents, Chemical Abstracts Service, Chemists with Disabilities, Community Activities, Environmental Improvement, Professional Training, Publications, Public Relations and Communications, Women Chemists, and Younger Chemists.

ConC liaisons will recognize the contributions of Committee Chairs who have served the statutory limit on the committee they Chair during their respective committee meetings. During the Council meeting on August 19, 2015, ConC will also recognize Councilors who will have served the statutory limit or have otherwise completed their service on committees at the end of 2015. ConC will also recognize those Councilors observing significant anniversaries of years of service on Council.

Councilors and other interested members are invited to attend the committee's open session on Monday, August 17, 2015, in the Sheraton Boston from 1:30 - 2:15 p.m., to offer their views on any topics on the agenda, or other matters of interest.

Wayne E. Jones, Jr., Chair

Bryan Balazs

Christopher J. Bannochie

Dawn A. Brooks

Mitchell R.M. Bruce

Janet L. Bryant

Michelle V. Buchanan

Dee Ann Casteel

Alan B. Cooper

Judith N. Currano

Amber S. Hinkle

Bonnie Lawlor

V. Michael Mautino

Zaida C. Morales-Martinez

Donna J. Nelson

Robert A. Pribush

Staff Liaison: Flint H. Lewis

**RECOGNITION OF SERVICE**  
**Council Meeting, August 19, 2015**

1. The following members will have served the statutory limit or have otherwise completed their service at the end of 2015 on the ACS governance committee shown below:

Matthew K. Chan	Constitution and Bylaws
Donald K. Harriss	Constitution and Bylaws
Eckhard Hellmuth	Constitution and Bylaws
Lucy P. Eubanks	Local Section Activities
J. Ernest Simpson	Local Section Activities
Stephanie Watson	Local Section Activities
Anthony W. Addison	Meetings and Expositions
Lynn G. Hartshorn	Meetings and Expositions
Mark Wicholas	Meetings and Expositions
Herbert B. Silber	Membership Affairs
Paul J. Smith	Membership Affairs
Joshua J. Pak	Project SEED
Susan S. Marine	Technician Affairs
Thomas H. Lane	Budget and Finance
Inara M. Brubaker	Chemistry and Public Affairs
Charles P. Casey	Chemistry and Public Affairs
Cary A. Supalo	Chemists with Disabilities
E. Gerald Meyer	Community Activities
Darlene S. Schuster	Environmental Improvement
Ron W. Darbeau	Professional Training
Steven K. Showalter	Public Relations and Communications
Judith M. Iriarte-Gross	Women Chemists
Wasiu A. Lawal	Younger Chemists
Uzma I. Zakai	Younger Chemists
G. Bryan Balazs	Committee on Committees
Dawn A. Brooks	Committee on Committees
Carolyn Ribes	Council Policy
Milagros Delgado	Nominations and Elections

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

Michael J. Morello	Divisional Activities
Will E. Lynch	Meetings and Expositions
Albert C. Censullo	Nomenclature, Terminology and Symbols
Susan S. Marine	Technician Affairs
Grace Baysinger	Chemical Abstracts Service
George L. Heard	Community Activities
Laura E. Pence	Environmental Improvement
H. N. Cheng	International Activities
Stephanie Brock	Publications
David S. Gottfried	Public Relations and Communications
Katherine C. Glasgow	Science
George E. Heinze	Senior Chemists

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

**Fifteen (15) Years**

David W. Ball	Cleveland	(2001-2015)
Charles E. Cannon	Chicago	(2001-2015)
David Crumrine	Chicago	(2001-2015)
Morton Z. Hoffman	Northeastern	(1997-1998; 2003-2015)
Andrew D. Jorgensen	Toledo	(2001-2015)
Richard Lomneth	Omaha	(2001-2015)
Peter F. Rusch	Santa Clara Valley	(2004-2015)
	Chemical Information	(1989-1991)
Kenneth Showalter	Northern West Virginia	(2001-2015)
Michael Singer	Northeastern	(1998-2001; 2005-2015)
Ellen B. Stechel	Physical Chemistry	(2001-2015)
Barry Streusand	Central Texas	(1996-2008; 2014-2015)

**Twenty (20) Years**

Christopher Bannochie	Savannah River	(1996-2015)
Richard S. Danchik	Pittsburgh	(1992; 1997-2015)
Milagros Delgado	South Florida	(1996-2015)
Derek Horton	Carbohydrate Chemistry	(1996-2015)**
Barbara E. Moriarty	Chicago	(1996-2015)
Douglas J. Sawyer	Central Arizona	(1996-2015)
Walter O. Siegl	Detroit	(1996-2015)
Herbert B. Silber	Santa Clara Valley	(1996-2015)
Frank J. Torre	Connecticut Valley	(1996-2015)
Richard V. Williams	Washington-Idaho Border	(1996-2015)
Marinda Li Wu	Ex Officio	(2007-2015)
	California	(1996-2006)

**Twenty-Five (25) Years**

Willem Leenstra	Green Mountain	(1985-1989; 1996-2015)
Zaida C. Morales-Martinez	South Florida	(1992-1999; 2004-2015)
	Florida	(1987-1991)
Mary Virginia Orna	History of Chemistry	(1991-2015)
Robert A. Pribush	Indiana	(1991-2015)

**Thirty (30) Years**

Béla S. Buslig	Florida	(1985-1990; 1995-2015)
Patricia A. Redden	Professional Relations	(1992-1994)
Don B. Weser	New York	(1983-2004; 2007-2009; 2011-2015)
Wayne C. Wolsey	Western Maryland	(1986-2015)
	Minnesota	(1986-2015)

**Thirty-Five (35) Years**

Ronald D. Archer	Connecticut Valley	(1981-2015)
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**Forty (40) Years**

Roger Bartholomew	Corning	(1976-2015)
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\*\*Awarded posthumously

## REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

During its spring meeting in Denver, the Committee on Nominations and Elections (N&E) developed slates of potential candidates for election to the Council Policy Committee (CPC) and the Committee on Committees (ConC) for 2016-2018. Information about the candidates and the elections appears under Item III of this agenda book. At the fall Council meeting in Boston, N&E will announce the names of the candidates for the three Elected Committees, and their photos will be projected on screen to assist Councilors with name recognition prior to voting.

On Sunday afternoon, August 16, N&E will present a moderated question and answer session that features candidates running for Director-at-Large 2016-2018. This Town Hall Meeting is designed to facilitate communication among candidates, Councilors and members. The forum begins at 4:30 p.m. in the Sheraton Boston Hotel, and will end at 5:30 p.m., so that members can attend Caucuses or other scheduled meetings. On Monday, August 17, there will be an opportunity to meet the candidates for ACS President-Elect from 1:00 - 4:00 p.m. in front of the ACS Booth in the Boston Convention & Exhibition Center (Halls A and B1).

While in executive session, the committee will receive reports or updates from its newly restructured subcommittees on Candidate Services and Communications, on Election Procedures and Processes, and on Leadership Sustainability. The committee will develop slates of potential candidates for President-Elect, 2017; Directors-at-Large, 2017-2019; and Directors, Districts II and IV, 2017-2019.

N&E welcomes suggestions from Councilors of names of qualified members as potential candidates for all elected ACS offices, as well as comments on the Petition on Preferential Voting and the Balloting and Voting Procedures that are on the Council agenda for action. We will have a staffed N&E table at the rear of the Council meeting room, as well as an open meeting on Monday, August 17 from 11:00 a.m. - 12:00 p.m. to receive your suggestions or hear your concerns. As an alternative means of communication with N&E, please visit the ACS Web Site at <http://www.acs.org/>; under "Governance" click on "Committees" and then select "Nominations & Elections", or send an email to us at [nomelect@acs.org](mailto:nomelect@acs.org).

## D. Richard Cobb, Chair

Lisa M. Balbes  
 Jeannette E. Brown  
 Martha L. Casey  
 Milagros Delgado  
 Lissa Dulany

Lydia E. M. Hines  
 Roland F. Hirsch  
 Carol B. Libby  
 Robert L. Licher  
 Les W. McQuire

Mamie W. Moy  
 Anne T. O'Brien  
 Donivan R. Porterfield  
 Eleanor D. Siebert

Staff Liaison: Flint H. Lewis

**Balloting and Preferential Voting Procedures for Elections of  
President-Elect, District Directors, and Directors-At-Large  
American Chemical Society**

**General Policy:**

1. These detailed procedures add specificity to the provisions in Bylaw V of the ACS Governing Documents ([www.acs.org/bulletin5](http://www.acs.org/bulletin5)). They have been developed by the Committee on Nominations and Elections (N&E) in cooperation with the ACS Secretary and General Counsel, and approved or subsequently amended by the ACS Council. They reflect the procedures currently used by N&E in national elections with the exception of adding preferential voting requirements and procedures when electing two or more individuals to fill Director-at-Large positions. Nothing in these procedures is to be construed in a manner that is inconsistent with the Bylaw V, Sec. 11, c balloting procedures, established by N&E and approved by the Council Policy Committee, which address fair balloting, anonymity, protection against fraudulent balloting, ballot archiving, and the timely reporting and archiving of balloting results.
2. Wherever possible, elections should result in the winning candidate (or candidates for certain elections as described below) receiving a majority of the valid votes cast. Depending upon the number of candidates on the ballot, this may result either by receiving a majority of single-choice ballots or by preferential voting as a result of receiving a majority of the remaining votes by having the second-preference votes of eliminated candidates added to their first-preference votes (recalculation of votes). Where multiple candidates for the same office are to be selected, a majority shall consist of more than half of the total number of ballots that remain valid at that step in the elimination process.

**General Procedures:**

1. Preferential voting will be used in elections whenever there are more than two candidates for a single position, or whenever there are multiple positions to be filled for the same office, such as typically occurs when electing Directors-at-Large or when selecting two *candidates* for District Director or President-Elect from among four (or more) *nominees*.
2. The preferential voting method that will be used under these procedures is known as the instant run-off method.
  - a. The preferential ballot shall afford the voter an opportunity to rank the candidates in order of preference. After the initial vote, if a candidate receives a majority of the first-preference votes cast, then that candidate shall be declared elected. If no candidate receives a majority of the first-preference votes cast, the candidate with the fewest number of first-preference votes is eliminated. The eliminated candidate's second-preference votes (i.e. the second-preference votes of those who cast their first-preference vote for the eliminated candidate) are redistributed to the remaining unelected candidates. When recalculating vote totals following the elimination of a candidate, those ballots on which no preference is indicated for any of the remaining candidates shall be deemed invalid in that and any subsequent rounds. In each of those rounds, a majority shall consist of a majority of the number of valid ballots that remain at that step in the elimination process. This procedure continues until a candidate receives a majority of the votes.

- b. If there are **multiple positions** for the same office to be filled and only one candidate receives a majority of first-preference votes cast, then the candidate receiving the majority shall be declared elected. The elected candidate's second-preference votes are redistributed to the remaining unelected candidates. Additionally (or if no candidate receives a majority of first-preference votes cast), the candidate with the fewest first-preference votes is eliminated from further consideration; the second-preference votes of the eliminated candidate are redistributed to the remaining unelected candidates. The procedure continues until one candidate receives a majority. When a candidate receives a majority and is declared elected, the elected candidate's second-preference votes are redistributed to the remaining unelected candidates. After the second-preference votes are redistributed and no remaining candidate receives a majority, then the candidate with the lowest number of votes is eliminated and the eliminated candidate's second-preference votes are redistributed to the remaining unelected candidates. The process is repeated until the number of elected candidates equals the number of positions available.
- c. When recalculating vote totals following the elimination of a candidate, those ballots on which no distinct preference is indicated for any of the remaining candidates shall be deemed invalid for this and any subsequent candidate elimination rounds.
- d. Preferential voting as described in these procedures shall be used whether the ballot is paper or electronic. Hand-marked (or paper) ballots will be counted only if the voter's intent to vote in favor of a particular candidate or candidates can be reasonably determined from the marking(s) on the ballot. All valid votes are tallied. Where a determination of intent is needed, it will be made by the Chair of the Committee on Nominations and Elections, or his or her designee.
- e. In the event of a tie for last place in the first round (i.e. two candidates have the same number of first preference votes), the candidate with the fewest second choice preferences will be eliminated and their second preference votes will be redistributed. In the event of a tie for last place in the second or succeeding rounds, the candidate with the lowest first round preference votes is eliminated. The eliminated candidate's second preference votes are redistributed in the next round. If the two candidates that are tied are not in last place, then the candidate with the lowest vote total in that round will be eliminated. The eliminated candidate's second preference votes are redistributed in the next round. In the event of a tie in the final round, Council balloting will break the tie per the ACS Bylaws.

#### **Election Procedures:**

1. President-Elect:
  - a. When there are two candidates, a single-choice ballot shall be used, and the candidate receiving the greater number of votes shall be declared elected.
  - b. When there are more than two candidates, or when Councilors are selecting two candidates from among several nominees, a preferential ballot shall be used as described (in the General Procedures) above.

2. Director-at-Large:

- a. If there is only one position to be filled and there are two candidates, a single-choice ballot shall be used and the candidate receiving the greater number of votes shall be declared elected.
- b. If there is only one position to be filled and there are three or more candidates, a preferential ballot shall be used as described (in the General Procedures) above.
- c. If there are two or more positions to be filled and three or more candidates, a preferential ballot shall be used as described above. However, where two candidates must be selected, the preferential voting method as described above continues so that the first candidate receives a majority of the votes and then the second candidate receives the next majority of the votes.

3. District Directors:

- a. Where there are two candidates, a single-choice ballot shall be used, and the candidate receiving the greater number of votes shall be declared elected.
- b. When there are more than two candidates, or when Councilors are selecting two candidates from among several nominees, a preferential ballot shall be used as described above.

Developed by the Committee on Nominations and Elections, July 1, 2015

Approved by Council: \_\_\_\_\_

**ALTERNATE VERSION**

**FOR ACTION**

**Petition on Preferential Voting**

**Bylaw V, Sec. 2, d, Sec. 3, c, Sec. 4, d and f**

**Petition**

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

**BYLAW V  
Manner of Election  
Section 1.**

*Preamble*

a. A candidate is a MEMBER whose name appears on the final ballot that elects a person to office. A nominee is a MEMBER whose name appears on an earlier ballot from which the Councilors select candidates. (9/24/94)

db. When there are two candidates, a single-choice ballot shall be used, and the candidate receiving the greater number of votes shall be declared elected. (9/29/94) [FYI: this wording was originally in Sections 2, d and 4, f.]

When there are more than two candidates, a preferential ballot shall be used, and the election shall be conducted using procedures developed by the Committee on Nominations and Elections and approved by the Council. Any modifications or changes to these procedures shall be approved by Council. [FYI: the first phrase was originally in Sections 2, d and 4, f.]

**Sec. 2.**

*President-Elect*

...

b. The Council, at a meeting to be held not later than May 1, shall select as candidates for President-Elect two of the nominees presented under the provisions of these Bylaws, using preferential voting. (9/29/94)

...

ALTERNATE  
VERSION  
FOR  
COUNCIL  
ACTION

d. On or before October 10, the Executive Director shall distribute to each member of the SOCIETY a ballot containing the names of all candidates for President-Elect and constructed as provided herein. (6/2/07)

~~When there are two candidates, a single choice ballot shall be used, and the candidate receiving the greater number of votes shall be declared elected. (9/29/94) [FYI: this was moved to Sec. 1.]~~

~~When there are more than two candidates, a preferential ballot shall be used. This ballot shall afford the voter an opportunity to rank the candidates in order of preference. If one candidate receives a majority of first preference votes, that candidate shall be declared elected. If no candidate receives such a majority, the candidate receiving the fewest first preference votes shall be eliminated from further consideration. The vote total of a candidate not so eliminated shall then be set equal to the number of valid ballots on which that candidate is ranked higher in preference than any of the other remaining candidates. If the vote total of one of the candidates is now a majority, that candidate shall be declared elected. However, if no candidate receives a majority, the process of eliminating the candidate with the lowest vote total and recalculating the vote totals of the remaining candidates shall be repeated as many times as necessary until the vote total of one candidate is a majority. That candidate shall then be declared elected. When recalculating vote totals following the elimination of a candidate, those ballots on which no distinct preference is indicated for any of the remaining candidates shall be deemed invalid in that and any subsequent candidate elimination rounds. In each of those rounds, a majority shall consist of more than half of the total number of ballots that remain valid at that step in the elimination process. (6/7/08)~~

### Sec. 3.

#### *Director-at-Large*

...

c. On or before October 10, the Executive Director shall distribute to each voting Councilor a ballot containing the names of all candidates for the positions of Director-at-Large to be filled. ~~If there are multiple positions to be filled, those candidates receiving the greatest numbers of votes shall be declared elected Directors at Large. (6/2/07)~~

~~If there is only one position to be filled and there are two candidates, the candidate receiving the greater number of votes shall be declared elected Director at Large. If there is only one position to be filled and there are three candidates, a preferential ballot shall be used. The ballot shall afford the voter an opportunity to indicate a first and second choice. If one candidate receives a majority of first choices, that candidate shall be declared elected. If no candidate receives such a majority, the candidate receiving the lowest number of first choices shall~~

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FOR  
COUNCIL  
ACTION

~~be eliminated and the second choice preferences on those ballots so eliminated shall be added to the first choice totals of the other two candidates to establish a majority for one candidate, who shall then be declared elected. Ballots for the eliminated candidate that have not indicated a second choice shall be void in the second count. (6/2/07)~~

~~If there is only one position to be filled, and there are four or more candidates, a single choice ballot shall be used. In the event that no candidate receives a majority of the votes cast, a run off election shall be held between the two leading candidates. No later than four weeks after the first election results are certified, and in no event later than December 15, the Executive Director shall distribute to each voting Councilor a ballot containing the names of the two candidates receiving the most votes in the first election. The candidate receiving the greater number of votes shall be declared elected. (6/2/07)~~

**Sec. 4.**

*District Director*

...

d. On or before March 1, the Executive Director shall send a preferential ballot to each Councilor in the District electing a District Director; the ballot shall contain the names of the nominees for District Director of that District, as selected by the Committee on Nominations and Elections. This primary election shall be conducted using procedures developed by the Committee on Nominations and Elections and approved by the Council. Ballots shall be returned to the Executive Director no later than four weeks after the ballots are distributed. The two nominees receiving the greatest number of votes shall be announced to the Council orally at its next meeting or, if timing does not permit, in the official organ of the SOCIETY, as candidates for District Director of the District. (10/19/04)

...

f. On or before October 10, the Executive Director shall distribute to each member of the SOCIETY entitled to vote in the District electing a District Director a ballot containing the names of all the candidates for Director from that District and constructed as provided herein. (6/2/07)

~~When there are two candidates, a single choice ballot shall be used; the candidate receiving the greater number of votes shall be declared elected. (9/29/94) [FYI: this was moved to Sec. 1.]~~

~~When there are more than two candidates, a preferential ballot shall be used. This ballot shall afford the voter an opportunity to rank the candidates in order of preference. If one candidate receives a majority of first preference votes, that candidate shall be declared elected. If no candidate receives such a majority, the candidate~~

ALTERNATE  
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FOR  
COUNCIL  
ACTION

~~receiving the fewest first preference votes shall be eliminated from further consideration. The vote total of a candidate not so eliminated shall then be set equal to the number of valid ballots on which that candidate is ranked higher in preference than any of the other remaining candidates. If the vote total of one of the candidates is now a majority, that candidate shall be declared elected. However, if no candidate receives a majority, the process of eliminating the candidate with the lowest vote total and recalculating the vote totals of the remaining candidates shall be repeated as many times as necessary until the vote total of one candidate is a majority. That candidate shall then be declared elected. When recalculating vote totals following the elimination of a candidate, those ballots on which no distinct preference is indicated for any of the remaining candidates shall be deemed invalid in that and any subsequent candidate elimination rounds. In each of those rounds, a majority shall consist of more than half of the total number of ballots that remain valid at that step in the elimination process. (6/7/08)~~

These amendments shall become effective following approval by Council of the preferential ballot and election procedures developed by the Council Committee on Nominations and Elections.

Explanation

The petitioners propose changes to the ACS Bylaws to provide for the use of preferential balloting in elections for nominees and candidates, where necessary, to achieve a majority of votes to win an election. The procedure language developed by the Committee on Nominations and Elections (N&E) shall be voted on and approved by Council prior to the vote on this petition.

Preferential voting is used currently in two ACS key national elections: Electing a President-Elect and electing a District Director to the Board of Directors whenever there are more than two candidates for each office. This procedure has been in place for twenty years, and petitioners believe preferential voting is well received within ACS. Preferential voting was adopted to ensure that the ultimate victors in the election were elected by a majority, rather than a plurality of votes cast. This petition proposes to add preferential voting for a third national election: the election of two or more Directors-at-Large to the Board of Directors.

The procedural details described in Bylaw V, Sec. 2, b and d, Sec. 3, c, and Sec. 4, d, and f, would be removed. To provide context to Council for this proposed change, the petitioners believe it advisable for N&E to present Council with a set of procedures based on the excised procedural text.

Signed:

Dr. Lisa Balbes	Dr. Catherine C. Fenselau
Dr. William H. Breazeale, Jr.	Dr. Lydia E.M. Hines
Dr. Jeannette E. Brown	Dr. Carol Baker Libby
Dr. Martha L. Casey	Dr. Les W. McQuire
Mr. D. Richard Cobb	Mr. Donivan R. Porterfield
Dr. Milagros Delgado	Ms. Andrea B. Twiss-Brooks
Dr. Lissa A. Dulany	

(This petition has been referred to the **\*Committee on Nominations and Elections**, Committee on Membership Affairs, Council Policy Committee, Society Committee on Budget and Finance, and Committee on Constitution and Bylaws.)

**\*Committee having primary substantive responsibility**

#### **FINAL STATEMENT OF FINANCIAL IMPACT**

The Society Committee on Budgets and Finance has examined this petition and concludes that it will have a minor positive impact on the finances of the Society (\$0 - \$100,000).

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

The Committee on Constitution and Bylaws (C&B) received from a representative of the petitioners and on behalf of the Committee on Nominations and Elections, a revised version of the petition to address C&B's concerns. The revised petition includes a review by Council of the procedure to be adopted and Council's approval of any modifications. C&B made additional editorial changes to clarify the wording.

The Committee finds the revised petition to be legal and consistent with other provisions of the Society's documents.

A two-thirds (2/3) vote of Council is required for approval of amendments to the Bylaws. If approved by Council, the amendments will become effective upon confirmation by the Board of Directors.

Dr. James C. Carver  
Chair

## REPORT OF THE COMMITTEE ON BUDGET AND FINANCE

The Society Committee on Budget and Finance (B&F) met on Saturday, March 21, 2015, to review the Society's 2014 financial performance. The Society ended 2014 with a net contribution from operations of \$17.9 million, on revenues of \$499.0 million and expenses of \$481.1 million. This was \$4.2 million favorable to the 2014 Approved Budget. After including the results of the Member Insurance Program, the Society's overall net contribution for 2014 was \$17.7 million, which was \$4.6 million favorable to the Approved Budget. In addition, the Society ended the year in compliance with four of the five Board-established financial guidelines. The adequacy guideline for unrestricted net assets, measured by the Fund Balance Ratio, was not met. Unrestricted net assets declined in 2014 from \$207.0 million to \$144.7 million, due to a significant accounting charge related to the Society's postretirement benefit plans. In 2014, ACS implemented new mortality tables which incorporate increased life expectancies. The implementation of the new tables coupled with a sharp decline in the discount rates used to value postretirement benefit plan liabilities necessitated the accounting charge.

In other actions, the committee elected Dr. Joseph Heppert as Vice Chair and voted to recommend to Council that dues for 2016 be set at the fully escalated rate of \$162, an increase of \$4.00 versus the 2015 dues rate. In addition, the committee received reports from the Subcommittees on Communications and Program Review. The Subcommittee on Program Funding Requests provided an update on the schedule and process to be followed for the 2016 New Program Funding and Program Funding Reauthorization Requests. The Subcommittee on Financial Impacts of Constitution & Bylaw Amendments reported on the financial impact of the two bylaw petitions up for consideration at Council. The committee also received reports from the P&MR Committee Task Force on National Meeting and Expositions Financial Targets and the Board Committee on Planning. Lastly, the committee received a report on the actual 2015 expenses for the Society's postretirement benefit plans as compared to the expenses included in the 2015 Approved Budget.

Kristin Omberg, Chair

William F. Carroll, Jr.	Sharon Haynie
Bonnie Charpentier	Joe Heppert
Pat Confalone	Neil Jespersen
Alvin Crumbliss	Andy Jorgensen
Peter Dorhout	Valerie Kuck
Donna Friedman	Thomas H. Lane
Arlene Garrison	Willem Leenstra
William Greenlee	Joseph Stoner
	Marinda Wu

Associates  
Judith Cohen  
Carol Duane  
Kathleen Gibboney  
Rigoberto Hernandez  
Cheryl Martin

Staff Liaison: Brian A. Bernstein

## REPORT OF THE COMMITTEE ON EDUCATION

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

SOCED approved the continuation of the ACS Science Coaches program, which will be considered for reauthorization by the Committee on Budget and Finance this year. A record number (200) of coach-teacher partnerships are participating in the 2014-2015 school year. The reauthorization request proposes that the Science Coaches program become an American Association of Chemistry Teachers (AACT) member benefit. More than 2,200 individuals have joined AACT since its launch last year.

SOCED Task Forces are working to update the committee's strategic plan and develop a process for creating performance expectations for general chemistry. The latter Task Force is joint with the Division of Chemical Education.

Ten International Student Chapters have been chartered since SOCED approved in 2014 a pilot program to form such chapters. Chartered chapters include Alexandria University (Egypt), the Technische Universität München (Germany), Chandigarh University (India), University of Madras (India), University of Modena and Reggio Emilia (Italy), University of the West Indies (Jamaica), Universiti Sains Malaysia, University of Ilorin (Nigeria), University of Uyo (Nigeria), and the National University of Singapore.

The four-member U.S. National Chemistry Olympiad team has been selected from the 20 students who participated in the Study Camp at the U.S. Air Force Academy in June. Soorajnath Boominathan, The Oklahoma School of Science and Mathematics (Oklahoma City, Oklahoma), Oklahoma Local Section; Bryce Cai, Barrington High School (Barrington, Illinois), Chicago Local Section; Janice Ong, Thomas Jefferson High School for Science and Technology (Alexandria, Virginia), Chemical Society of Washington Local Section; and David Wang, Monta Vista High School (Cupertino, California), Santa Clara Valley Local Section will participate in the 47<sup>th</sup> International Chemistry Olympiad in Azerbaijan from July 20-29.

Thirty SCI Scholars were selected from 223 applicants for summer internships at 16 SCI companies: Air Liquide, Albemarle, Carus Corporation, Chemtura, Chevron Phillips, Dow Chemical, Dow Corning, DuPont, Eastman, ExxonMobil, Honeywell, Lyondell Chemical, Momentive, Styron, UOP, and WR Grace. The program is open to sophomores and juniors who are majoring in chemistry or chemical engineering and have a minimum GPA of 3.5.

### Diane Krone, Chair

Charles M. Baldwin  
Iona Black  
Simon G. Bott  
John V. Clevenger  
Deborah H. Cook

Melanie M. Cooper  
Thomas B. Higgins  
Diane Krone  
Thomas H. Lane  
Joan A. Laredo-Liddell

Jennifer B. Nielson  
Ieva L. Reich  
Susan M. Shih  
Kristine S. Smetana  
Donald J. Wink

### Associates

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Eric Bosch  
Jeremy Garritano  
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Richard L. Nafshun  
Jane Nagurney

Sam R. Pazicni  
Danae R. Quirk Dorr  
Michelle M. Ward  
Ellen J. Yezierski

### Consultant

Norbert J. Pienta

Staff Liaison: Mary Kirchhoff

## REPORT OF THE COMMITTEE ON SCIENCE

The ACS Committee on Science (ComSci) continues to work toward increasing understanding among members and stakeholders of emerging multidisciplinary frontiers in science that have major implications for chemistry and society. The committee's emphasis this year is on advanced materials, and particularly how to accelerate innovation through multidisciplinary and cross-sector collaboration.

Consistent with ComSci's mission to facilitate collaboration across divisions, the committee has organized an inaugural "ACS Division/Journal Breakout Session" and reception at the Boston national meeting. The goal is to bring together leaders from journals and divisions, as well as outside experts, to identify key challenges affecting the move of advanced materials from discovery and application. The focus of this experimental forum will be on enhanced collaboration and partnerships among industry, academia, and government.

Following the committee's successful symposium in March on the role of advanced materials for solar energy, ComSci is also planning a technical session on advanced materials for computation for the 2016 spring national meeting in San Diego - consistent with the national meeting theme.

ComSci is also collaborating with other committees to develop and recommend ACS public policy statements in several areas, including energy, climate change and forensic science. The committee will address these policy statements at its next meeting in Boston. The committee was also pleased to lead the development of a new ACS policy statement on hydraulic fracturing, which was approved by the ACS Board of Directors in June.

Regarding recommending ACS members for prestigious external awards, ComSci recently submitted a nomination to the White House on behalf of the Society for the Presidential National Medal of Science - the nation's highest honor for a scientist. The committee is currently reaching out to ACS groups and the membership at large to elicit suggestions for future nominees for this award as well as the companion National Medal of Technology - working with the Committee on Patents and Related Matters. ComSci will also develop recommendations for the French Grand Prix Award in 2016 and the prestigious Dreyfus Prize in chemistry for 2017.

Katherine Glasgow, Chair

Rudy M. Baum  
Michael R. Berman  
Steven M. Bonser  
Mark C. Cesa  
Debbie C. Crans  
John W. Finley  
Robin J. Hood  
Lauren S. Jackson

Jennifer Stowell Laurence  
Vera V. Mainz  
Barbara E. Moriarty  
Tina M. Nenoff  
Barry J. Streusand  
Hessy L. Taft  
Gloria Thomas  
Ralph A. Wheeler

### Associates

Dwight W. Chasar  
Matthew A. Fisher  
Eric M. Furst  
Brian R. Gibney  
Martin G. Kocielek

Dorothy J. Miller  
Adam C. Myers  
Webster L. Santos  
Izabela Tworowska

Staff Liaison: Brian Dougherty

## REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

The Committee on Divisional Activities, DAC, in partnership with the International Activities Committee (IAC), is developing a white paper this summer that will - among other things - summarize key strategies associated with successful international engagement. The white paper will be reviewed by the two committees in Boston, and will be shared with ACS divisions in the fall.

DAC continues to monitor implementation of the Meeting Abstracts Programming System (MAPS). Staff is organizing a National Meeting Programming Summit to be held in Boston. The objectives for the summit, which is directed at program chairs, include:

- Learn more about the role of the program chair
- Participate in discussions about collaborating on future programming
- Discuss strategies for improving the national meeting program planning process and how ACS can help you to be successful
- Receive initial training on MAPS (additional online training will be offered later in the fall)

DAC re-instituted liaisons to each of the divisions. Liaisons will be reaching out to their assigned divisions.

DAC continues to implement a plan designed to permit divisions to share and benefit from one another's best practices. Among the next steps, DAC will leverage the division liaisons to initiate discussions on best practices with division executive committees. Additionally, we are investigating options where best practices can be collected, evaluated, and posted for possible implementation by the divisions.

As a reminder, here are the themes for upcoming national meetings:

San Diego, Spring 2016:	Computers in Chemistry
Philadelphia, Fall 2016:	Chemistry of the People, By the People and For the People
San Francisco, Spring 2017:	Advanced Materials, Technologies, Systems and Processes
Washington, D.C., Fall 2017:	Chemistry's Impact on the Global Economy

Michael J. Morello, Chair

Martin A. Abraham	Silvia Ronco
Rodney M. Bennett	Maria M. Santore
Roger A. Egolf	Douglas J. Sawyer
Mary Engleman	Julianne M. D. Smist
Semih Eser	Robert D. Tilton
Mark D. Frishberg	Jeanette M. Van Emon
Mary Ann Meador	Dean C. Webster

Associates  
Jane V. Aldrich  
Huw M. L. Davies  
Theresa A. Good  
John M. Long  
Kenneth C. Mattes  
James M Takacs

Staff Liaison: John C. Katz

## REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities (LSAC) is completing its review of the 2014 Local Section Annual Reports from the 187 local sections. Reviewer comments for the completed reports have been posted in FORMS and all local section officers and councilors are encouraged to read the comments and to provide a response, if applicable.

LSAC held a Strategic Planning Session in March and is in the process of forming new subcommittees to support its new mission statement: LSAC partners with members at the local level to promote member participation, local section vibrancy, and ACS mission fulfillment.

LSAC reviewed 29 proposals for the 2015 Science Café initiative. Ten proposals were funded and all applicants have been informed of the decisions. Proposals for the Bridging the Gap Nano-Grant: Supporting K-12 Teachers of Chemistry were reviewed (since the Denver meeting) and LSAC will be awarding \$1500 in support of this effort to 6 local sections. Ten proposals were received requesting funds to support events that would benefit neighboring local sections. Each proposal was funded in the amount of \$300. Finally, LSAC awarded grants to four local sections to host an ACS Leadership Development System course within their local section.

Martin Rudd, Chair

Gary Anderson	Barbara R. Hillery	J. Ernest Simpson
David W. Ball	Kathryn Louie	L. Kraig Steffen
Roger F. Bartholomew	Gregory L. Milligan	William H. Suits
Charles Cannon	Mary Virginia Orna	Stephanie Watson
John Engelman, II	Jason E. Ritchie	Elaine S. Yamaguchi
Lucy P. Eubanks	Alexa B. Serfis	
Tracy P. Hamilton	Kathleen T. Shaginaw	

Associates  
Connie Gabel  
Fran Kravitz  
Louise Lawter  
Richard Palmer  
Ellen B. Stechel

Staff Liaison: LaTrease E. Garrison

## REPORT OF THE COMMITTEE ON MEMBERSHIP AFFAIRS

The Membership Affairs Committee (MAC) is pleased to report that the Enterprise Model test to include memberships as part of institutional packages with other Society offerings has launched using four tactics:

1. Awarding highly engaged authors and reviewers with ACS membership;
2. Converting ACS Author Rewards recipients to ACS members;
3. Offering bundled packages including ACS membership, professional education, publication subscriptions, and CAS products to existing enterprise accounts, starting with a targeted list of companies in China, India and Brazil; and
4. Offering bundled packages including ACS membership, professional education, publication subscriptions, and CAS products to new enterprise accounts, starting with a targeted list of companies in China, India and Brazil

The total ACS membership as of May 31, 2015 was 155,095, which is 2% less than the membership number at the same time last year. The committee's aim and expectation is that we will meet the yearend membership goal of 158,402.

Membership growth in India is expected to be encouraged by the recently introduced option for members in that country to make online payment for their dues and subscriptions in their local currency, thus saving the cost of currency exchange and bank transfer fees. Membership in India as of May 31, 2015 was 902.

MAC has approved a plan to contact graduate student members for the purpose of updating graduation dates on their member records. Since so many students change their graduation plans after completing their initial membership application, which populates their membership record, the committee is hopeful that the survey will provide a more accurate view of this important segment of our Society. Furthermore, the students will then also begin to receive from ACS messages and information that are more relevant to their stage in academe.

With the encouragement of 2015 ACS President Diane Grob Schmidt, 47 institutions have nominated 87 students to become ACS members. This was Diane's personal campaign, and she invited faculty from the PhD-granting U.S. institutions to give ACS membership as an award to their outstanding students in chemistry. To date, 29 students have returned completed membership applications and the institutions have received certificates for presentation to the students. Diane's offer was a matching gift - if the university would pay for one student's membership, she would pay for a second student's membership from her Presidential funds.

At its meeting in Boston, the committee will review data and discuss the results to date of the series of market data collection tests begun in 2013. Of primary importance will be the earliest of the six tests:

- 1.) Extending from two to three the number of consecutive years that a member could receive the unemployed member dues waiver, and
- 2.) The payment of a \$15 commission to ACS International Chemical Sciences Chapters for each new, paid ACS member recruited.

The committee will also consider recommendations to expand the benefits of the unemployed member benefit and to extend the offer of the International Chapter commissions.

At the request of 2016 ACS President Donna Nelson, MAC will also consider how the Society can effectively attract and retain members from the growing community of two-year colleges. As a follow-up

to conversations initiated at its meeting in Denver, the committee also plans to again engage with members of the Graduate Education Advisory Board, Younger Chemists Committee, and other ACS members to discuss programs, products, services, communications, and engagement opportunities that appeal to newer and more global generations of ACS members.

James M Landis, Chair

Rita R. Boggs  
Robert S. Cohen  
Ella L. Davis  
James Duddey  
Merle Eiss

Julie Jessop  
Resa M. Kelley  
Melanie J. Moser  
Roger A. Parker  
Kevin Pate

Margaret J. Schooler  
Herb Silber  
Paul Smith  
Ruth Tanner

Associates  
Mary Anderson  
Brian Mathes  
Donald Songstad  
Ann Sullivan  
Don Weser

Staff Liaison: Debbie Fillinich

**AMERICAN CHEMICAL SOCIETY**  
**Procedure for Expulsion of a Member**

Section 1. Members of the American Chemical Society (hereinafter referred to as "SOCIETY") may be dropped from the rolls of the SOCIETY (hereinafter referred to as "expelled" or "expel") for conduct that in any way tends to injure the SOCIETY or to affect adversely its reputation, or that is contrary to or destructive of its objects as described in the SOCIETY's Constitution.

Section 2. The procedure to expel a member shall be initiated when the specific charges and reasonable substantiating evidence are submitted in writing to the Secretary of the SOCIETY and signed by at least five members of the SOCIETY ([secretary@acs.org](mailto:secretary@acs.org)).

Section 3. The Secretary shall, without delay, forward the documented charges to the Chair of the Council Committee on Membership Affairs (MAC), who shall determine that the members submitting the charges are aware of the gravity of the actions and the procedures to be followed. If the Chair of MAC is the accused party, the Vice-Chair will act as substitute for the Chair. Within thirty days of receipt, the Chair of MAC shall appoint and call a meeting of a Hearing Subcommittee. The Hearing Subcommittee shall consist of not more than six members including those on the MAC Executive Committee and one or more other members of MAC with the longest tenure on the committee. Members of MAC who signed the request for expulsion, as described in Section 2 may not serve on the Hearing Subcommittee. In addition, any member of MAC who has a financial interest with either the accused or any of the accusers must recuse himself or herself from the proceedings. The Chair of MAC shall chair the Hearing Subcommittee, unless the Chair signed the request for expulsion, as described in Section 2. If the Chair of MAC cannot serve, the Subcommittee will elect its own Chair.

- a. Within thirty days, the Hearing Subcommittee shall continue the expulsion process, dismiss the charges as ill founded, or find an alternative solution to the issue, and the Chair shall inform the accused member and those who brought the charges of the decision of the Hearing Subcommittee.
- b. If the proceedings continue, the accused member shall be offered an opportunity to answer the allegations of the charges before the Hearing Subcommittee. Every reasonable effort shall be made to contact the accused member throughout this procedure. That effort shall include a certified letter to the last known address on the official SOCIETY membership rolls. This letter shall offer the accused member choice of one of the following options:
  - (1) The accused member may resign.
  - (2) The accused member may request a hearing by the Hearing Subcommittee. A two-thirds (2/3) vote of the members of the Hearing Subcommittee shall be required to expel the accused member.
  - (3) The accused member may choose not to respond and thus forfeit his/her membership in the SOCIETY.

c. Upon notification, the accused member shall have thirty days to make a written response to the allegations from the date of issuance of the notice described in Section 3, b, above. The Hearing Subcommittee shall decide how to proceed after reviewing the member's response. The Chair shall inform the member and those who brought the charges of the decision of the Hearing Subcommittee.

If no contact with the accused member can be made after a reasonable effort, the Hearing Subcommittee may expel the member in question with a two-thirds (2/3) vote of its members.

Section 4. Within thirty days, the accused member may appeal an adverse decision of the Hearing Subcommittee to the Council Policy Committee, which shall consider the appeal at its next regularly scheduled meeting, or at an earlier meeting specially called for the purpose of considering the appeal. Decisions of the Council Policy Committee are final, as of the date of the decision.

Section 5. An application for readmission by the charged member after an expulsion or resignation or after the initial statement of charges is received will only be considered by MAC after a minimum of *five* years have passed from the original expulsion or resignation. Members of MAC who signed the request for expulsion as described in Section 2, must recuse themselves from the readmission vote. The application must be approved by a two-thirds (2/3) vote of MAC.

Effective TBD.

Contact [secretary@acs.org](mailto:secretary@acs.org)

**ALTERNATE VERSION**

**FOR ACTION**

**Petition on Member Expulsion**

**Bylaw I, Sec. 5**

**Petition**

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

**ALTERNATE**  
**VERSION**  
**FOR**  
**COUNCIL**  
**ACTION**

**Bylaw I  
Membership**

**Sec. 5.**

**a. Proceedings**

~~(1) Charges. Charges of conduct injurious to the SOCIETY (Constitution, Article IV, Sec. 3) shall be entertained against one or more members of the SOCIETY only when the specific charges and reasonable substantiating evidence are submitted in writing to the President of the SOCIETY by at least five members of the SOCIETY. (6/11/83)~~

~~(2) Statement of the Charges. Upon receipt of such charges, the President shall determine that the members bringing charges are aware of the gravity of their action and the procedures to be followed. The charges may be withdrawn at this time. If the charges are not withdrawn, they shall be referred to a panel of three, comprising the Chair of the Council Committee on Membership Affairs, who shall be the Chair of the Panel, the Chair of the Council Committee on Constitution and Bylaws, and the Vice Chair of the Council Policy Committee. This Panel, with the advice of the President and the SOCIETY's General Counsel, shall act promptly, either dismissing the charges if considered to be ill-founded or submitting a statement of the charges to the member charged, along with the procedure for handling such charges (including copies of pertinent SOCIETY documents). (6/11/83)~~

~~(3) Response to the Charges. Upon receiving the statement of the charges, the member charged shall have three options: (6/11/83)~~

~~(a) Within sixty days of receipt of the statement of the charges from the Chair of the Council Committee on Membership Affairs, the~~

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~~member may present to the President a written answer to the charges, along with a request that the proceedings continue to a review by the Council Committee on Membership Affairs. (6/11/83)~~

~~(b) The member may resign. (6/11/83)~~

~~(c) The member may choose not to answer the charges within sixty days of receipt of the statement, or may answer the charges without requesting that the proceedings continue. In either instance, the process shall go forward. (6/11/83)~~

~~(4) Review by the Council Committee on Membership Affairs. The President shall instruct the Council Committee on Membership Affairs to review both the charges and any answer to the charges at a regularly scheduled meeting of the Committee, no more than nine months after the instructions are received from the President. By a majority vote of its membership, the Committee shall order the process to go forward and offer the member charged the opportunity to be heard before a Commission of Nine Councilors to be appointed by the President. Lacking such a majority vote, the charges shall be dismissed. Within thirty days after the meeting of the Committee, the Chair of the Committee shall notify the President and the member charged of the Committee's action. (6/11/83)~~

~~(5) Response to the Offered Opportunity to be Heard. Upon notification by the Chair of the Council Committee on Membership Affairs of the opportunity to be heard before a Commission of Nine Councilors, the member charged shall have three options: (6/11/83)~~

~~(a) The member may request a hearing before a Commission of Nine Councilors. Such request must be made to the President within sixty days after receipt of the notification. (6/11/83)~~

~~(b) The member may resign. (6/11/83)~~

~~(c) The member may choose not to answer the notification. In this instance, the member shall be dropped from membership, effective the first day after the sixty-day period has elapsed. (6/11/83)~~

~~(6) Selection of the Commission of Nine Councilors. The Commission of Nine Councilors shall be chosen according to the following procedure: Within thirty days after the President receives the request for a hearing from the member charged, the President shall submit the names of fifteen Councilors, not previously involved in the proceedings, to the member charged, who shall have the right to excuse as many as three persons from the list of fifteen. Action to excuse must be made within thirty days following the receipt of the list from the President. The President shall promptly appoint nine unchallenged Councilors from the list of fifteen to serve as the Commission of Nine~~

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~~Councilors. The Commission shall elect a Chair, Vice Chair, and a Secretary from among its members. (6/11/83)~~

~~(7) Hearing by the Commission of Nine Councilors. Within thirty days after the date of appointment, the President shall set the date and location for the hearing by the Commission of Nine Councilors. A quorum for the hearing shall be seven members. The hearing shall be held within one hundred twenty days after the date of appointment. Immediately following the hearing, the Commission may have the member dropped from membership by a two thirds (2/3) vote of those Commission members present at the hearing, subject to the provisions of this Bylaw. Otherwise the charges shall be dismissed. The Chair of the Commission of Nine Councilors shall notify the member charged, the President, and the Chair of the Council Committee on Membership Affairs of the Commission's decision within thirty days. If a quorum is not present, the President shall reschedule the hearing for the earliest practical date. (9/21/90)~~

~~(8) Appeal to the President. The decision of the Commission of Nine Councilors shall be final unless the member charged addresses an appeal to the President of the SOCIETY, requesting a hearing before the Council. The request must be received by the President within sixty days after the notification of the decision of the Commission of Nine Councilors is received by the member charged. The date of the hearing before the Council shall be set by the President, and shall be no more than nine months after the last day of the sixty day period. If no appeal is received, the member charged shall be dropped from membership, effective the first day after the sixty day period has elapsed. (6/11/83)~~

~~(9) Hearing before the Council. The hearing before the Council shall be open only to voting Councilors, necessary SOCIETY staff, and others as specified in (c) below. The proceedings shall be comprised of four parts in the following order:~~

~~(a) The President, or the President's designate, shall introduce the subject and provide necessary information on Bylaw procedures and responsibilities of the Council. (6/11/83)~~

~~(b) The Chair of the Commission of Nine Councilors, or the Chair's designate, shall present background information on the case, and explain the decision of the Commission. This presentation shall not exceed one hour. (6/11/83)~~

~~(c) The appeal of the charged member before the Council shall be made by the member, and/or a designate of the member. This appeal shall not exceed one hour. (6/11/83)~~

~~(d) A vote shall be taken in executive session. The member charged shall be dropped from membership by a two thirds (2/3) vote of the~~

ALTERNATE

~~voting Councilors present; termination of membership shall be immediate. Otherwise the charges shall be dismissed. In either instance, the Commission of Nine Councilors then shall be dissolved by the President. If a quorum is not present, the hearing shall be rescheduled by the President for the earliest practical date.~~ (6/11/83)

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a. Grounds for expulsion

Members of the SOCIETY shall be expelled from the SOCIETY for conduct that tends to injure the SOCIETY or to affect adversely its reputation, or that is contrary or destructive to its objects as described in the SOCIETY's Constitution.

[FYI: the original subsection b on Readmission was moved to subsection g, below.]

b. Initiation of process

Any member(s) of the SOCIETY may begin the expulsion process by submitting to the Chair of the Council Committee on Membership Affairs, a written statement specifying charges regarding the charged member.

c. Due process

Procedures for considering expulsions shall be developed by the Council Committee on Membership Affairs and approved by Council. Such procedures shall provide for quick resolution, fairness, confidentiality, and due process, including an opportunity for a charged member to be heard. Any modifications or changes to the approved procedure shall be approved by Council.

ed. Advisors

~~It is the intent of this Bylaw that the member charged be present at the hearings before the Commission of Nine Councilors and before the Council. The member may be excused from attending either hearing by the President of the SOCIETY for reasons of extreme exigency or circumstances beyond the control of the member. In either the hearing before the Commission of Nine Councilors or the Council, the The member charged member may be assisted by one an advisor who may act on behalf of the member. The Such advisor may be an attorney if the charged member provides the President Chair of the Council Committee on Membership Affairs with if written notice of the attorney's name and office address of the attorney is given to the President at least ten working days prior to any before the date of the hearing. An attorney for the SOCIETY may be selected by the SOCIETY's General Counsel to be present and speak at any such the hearing(s).~~ (6/11/83)

de. Confidentiality

Until resolution of the case, which shall be announced by the President, all allegations, All charges, evidence, correspondence, findings, and recommendations pertaining to the case any such expulsion matter shall be deemed confidential, with all All expulsion proceedings and hearings shall be closed to the public. (6/11/83)

f. Appeal

The charged member may appeal an adverse decision of the Council Committee on Membership Affairs to the Council Policy Committee, which shall consider the appeal at its next regularly scheduled meeting, or at an earlier meeting specially called for the purpose of considering the appeal. Decisions of the Council Policy Committee shall be final.

g. Dissemination of outcome

Upon disposition of the charges, the Chair of the Council Committee on Membership Affairs shall be responsible for communicating the outcome to the charged member, the Society's Executive Director, the Chair of the Board of Directors, and the member(s) who submitted the statement of charges. In the event the Council Committee on Membership Affairs determines to expel the charged member, the Chair of the Council Committee on Membership Affairs shall also inform the chairs of the local section, and of any division(s) to which the charged member belongs. In addition, the Chair of the Board also may inform any additional people who, in the Chair's discretion, have a need to know the decision.

bh. Readmission

Persons whose membership in the SOCIETY shall have been terminated by any SOCIETY action herein described, or by resignation after the initial statement of charges is received by the member charged member, shall not be readmitted upon subsequent application unless such application is approved by a two-thirds (2/3) vote of the Council Committee on Membership Affairs. (6/11/83)

These amendments shall become effective following approval by Council of the member expulsion procedures developed by the Council Committee on Membership Affairs.

Explanation

BYLAW I, Membership, Sec. 5 has a lengthy procedure for expelling a member from the SOCIETY for "conduct injurious to the SOCIETY." This lengthy procedure, added or last amended in 1983, is

cumbersome. There are several steps, each of which involves creation or use of an additional body to consider the charges. The length and cumbersome nature of the process is unfair both to the SOCIETY and to the member charged. Petitioners believe the intent of the Constitution (Article IV, Sec. 3) and the current Bylaw can be met, and due process maintained for the charged member, by using a procedure modeled after those currently recommended by the Committee on Constitution and Bylaws for removal of officers for neglect of duties. Petitioners further believe the intent of the Bylaws can be met by amending the Bylaw and delegating authority to the Council Committee on Membership Affairs to promulgate and amend such procedures as are necessary to implement this amendment separately from the Bylaws. Reference to the "Chemical Professional's Code of Conduct" could provide a framework for determining "conduct injurious to the SOCIETY."

Petitioners have developed an example of the type of the detailed procedures that could be adapted by the Council Committee on Membership Affairs to implement this amendment. These procedures have been reviewed by the Council Committee on Membership Affairs and the Council Policy Committee and we suggest that they be published as part of the ACS Governing Documents (Bulletin 5) after their formal adoption. They are available from these committees.

Signed:

Dr. Harmon B. Abrahamson  
Dr. Frank D. Blum  
Dr. Mary K. Carroll  
Mr. Robert S. Cohen  
Ms. Ella L. Davis

Dr. Alan M. Ehrlich  
Dr. Peter C. Jurs  
Mr. James M. Landis  
Dr. Lee H. Latimer  
Dr. Melanie J. Lesko

Dr. Carolyn Ribes  
Dr. Eleanor D. Siebert  
Dr. Herbert B. Silber  
Dr. Angela K. Wilson

(This petition has been referred to the **\*Committee on Membership Affairs**, Committee on Economic and Professional Affairs, Council Policy Committee, Society Committee on Budget and Finance, and Committee on Constitution and Bylaws.)

**\*Committee having primary substantive responsibility**

#### **FINAL STATEMENT OF FINANCIAL IMPACT**

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

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

The Committee, in consultation with a representative of the petitioners, has prepared a revised version of the petition. The substance of the petition and the intent of petitioners are maintained.

The Committee finds the revised petition to be legal and consistent with other provisions of the Society's documents.

A two-thirds (2/3) vote of Council is required for approval of amendments to the Bylaws. If approved by Council, the amendments will become effective upon confirmation by the Board of Directors.

Dr. James C. Carver  
Chair

8/15  
5/12/15

## REPORT OF THE COMMITTEE ON ECONOMIC AND PROFESSIONAL AFFAIRS

The Committee on Economic and Professional Affairs (CEPA) continues to evaluate and implement the portfolio of career related programs, products and services to ensure balance and alignment with members' needs. CEPA continues to explore novel approaches to fulfilling our mission of improving the professional lives of chemists in what continues to be a challenging economic environment.

The [ACS Career Navigator™](#) brings together ACS's leadership development, professional education, career services, and market intelligence resources under one unified brand. In 2014, the ACS Career Navigator continued to grow in its branding, print material, digital campaigns, social media, and blogs. In 2014 alone, the programs, products, and services which comprise the Navigator reported over 10,000 substantial interactions with ACS members and potential members.

### Professional Education

- Short Courses
- On Demand
- Online Courses

### Leadership Development

- Online Courses
- Facilitated Courses



### Career Services

- Career Consulting
- Career Fairs
- Virtual Career Fairs
- Career Pathways

### Market Intelligence

- Employment Dashboard
- Salary Comparator
- Employment Reports
- Chemical labor market tracking

CEPA will be part of the Undergraduate Programming at the ACS National Meeting in Boston, focusing on preparing undergraduates for speed networking events and providing information on career paths and career-related services offered through the Career Navigator.

We are pleased to also announce that new tactics are being implemented for the ACS Career Fair in Boston to ensure robust participation of both job seekers and employers in this and future fairs to come. For the job seekers, we have partnered with C&EN to offer a new headshot studio which will be present within the ACS Career Fair on Sunday, August 16 – Tuesday, August 18. Any meeting attendee who completes their job seeker profile will be entitled to receive a quality, expertly done photograph for use in their professional social media accounts.

For employers, a new presentation search service will be launching that will be unparalleled in magnitude by other scientific career fairs. Any employer that schedules an interview with an ACS member on or before Tuesday, August 11 will be provided with a list of oral and poster presentation times for that candidate. With over 9,200 papers submitted for the Boston meeting, chances are good that job candidates will also be involved in the technical program. Ultimately, this will allow employers to observe first-hand a candidate's research, presentation, and communication skills - all within the confines of the ACS National Meeting.

CEPA continues to revise policies related to the professional interests of ACS members in order to stay up to date on current practices and respond to changing externalities. The Academic Professional Guidelines (APG) has been updated accordingly and is included in this agenda book for Council review.

Please send any suggestions for further edits to [careers@acs.org](mailto:careers@acs.org) before September 30, 2015 so that they can be incorporated into the revised document which will be up for Council action at the meeting in San Diego next year.

Rick Ewing, Chair

John R. Berg  
Mark Blankenbuehler  
Peter Bonk  
Melissa Betz Cichowicz  
Dana Ferraris  
Tiffany Hoerter  
Mick Hurrey  
Diane M. Kneeland  
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# Academic Professional Guidelines

## Introduction

The American Chemical Society (ACS), the world's largest association of professional scientists, ~~has the opportunity to~~ ~~should take the~~ lead in articulating standards for scientists ~~in academia~~. ~~We believe~~ The ACS has established the Academic Professional Guidelines ~~represent as~~ a fair and just balance among the legitimate interests of all facets of the higher education community and recommends that these guidelines be accepted and implemented.

These ~~guidelines~~ Guidelines apply to those members of the academic community whose job function impacts directly or indirectly on ~~students and~~ scientists ~~practicing the profession of chemistry involved in the chemical sciences and represent recommended practices to foster productive working relationships among all chemical scientists in academe~~. For brevity, the term "chemical scientist" is used broadly in these ~~guidelines~~ Guidelines to refer to undergraduate and graduate students, post-doctoral and research associates, technicians, staff members, and all part-time and full-time faculty members involved in chemical sciences and engineering.

The Academic Professional Guidelines complement the broader ACS Professional Employment Guidelines to provide guidance on special issues of concern to chemical scientists in the academic environment. The ACS Professional Employment Guidelines are to be consulted for those issues dealing strictly with workplace issues.

### 1. First Edition

~~Approved by the Council April 17, 1991~~

~~Adopted by the Board of Directors August 25, 1991~~

### 2. Second Edition

~~Approved by the Council March 16, 1994~~

~~Adopted by the Board of Directors June 3, 1994~~

### 3. Third Edition

~~Approved by the Council April 4, 2001~~

~~Adopted by the Board of Directors June 9, 2001~~

### 4. Fourth Edition

~~Approved by the Council (April 9, 2008)~~

~~Adopted by the Board of Directors (date)~~

## General Guidelines

### What chemical scientists should expect

Chemical scientists in an academic community have the right to equal treatment and opportunity regardless of gender, race, national origin, religion, age, sexual orientation, gender expression and gender identity, physical disability, or any other factor not related to the position. This

includes a workplace free of intimidation, coercion, exploitation, discrimination, and harassment, sexual or otherwise and all forms of harassment. Employment of chemical scientists in academe should be based on professional capabilities alone. Compensation and benefits should be commensurate with the position in the professional community. Standards for performance should be explicit and measureable. Timely, accurate, and constructive feedback should be provided concerning job performance. Professional development for all chemical scientists, including developing and maintaining technical competence via courses, scientific meetings, and other means, should be supported.

A safe laboratory working environment must always be maintained. This includes providing facilities, equipment, and formal instruction adequate for the anticipated operations within the laboratory as well as compliance with federal, state, and local regulations. Attention should be focused on the highest standards of laboratory practices as well as the personal responsibility of the individual laboratory worker.

Honesty, integrity, and fair and collegial professional conduct are expected. All students and faculty are expected to adhere to the highest standards of expectations and policies regarding intellectual property, plagiarism, and group work.

In order to meet scientific communication and professional expectations, all faculty and students studying or working in the United States should develop spoken and written English language skills.

Compensation and benefits should be commensurate with the position in the professional community.

Professional development for all chemical scientists should be supported. Working in any area of chemical science implies a life long commitment to learning.

### **Responsibilities of all chemical scientists**

Chemical scientists have a professional responsibility to serve the public interest and welfare and to further public understanding of science. A safe working environment must always be maintained. This includes not only establishing, following, and enforcing safe laboratory practices, but also inculcating a culture of safety throughout the working environment. Facilities, equipment, and formal instruction adequate for the anticipated operations within the laboratory must be provided.

Compliance with federal, state, and local regulations must be rigorously enforced. Attention should be focused on the highest standards of laboratory practice as well as the personal responsibility of the individual laboratory worker, and the academic unit should have a proactive safety committee.

Widespread and in-depth attention should be given to the report *Creating Safety Cultures in Academic Institutions: A Report of the Safety Culture Task Force of the ACS Committee on Chemical Safety* which can be found at

<http://www.acs.org/content/dam/acsorg/about/governance/committees/chemicalsafety/academic-safety-culture-report-final-v2.pdf>

Chemical scientists should take personal responsibility to for:

- Treating co-workers with the respect expected by all professionals.
- Maintaining high standards of honesty, integrity, ethics, and diligence in the conduct of education teaching, research, and all other professional duties responsibilities.
- Be concerned with the personal health and safety and that of co-workers, consumers, and the community. The expertise of a chemical scientist is required in matters of public health and safety.
- Utilizing expertise for the good of co-workers, the community, and the world by providing considered comment to the public at large on issues involving the chemical sciences.
- Establishing and maintaining lines of communication throughout the academic and professional communities.
- Communicating with scientists and non-scientists accurately, using good oral and written skills. All chemical scientists working in an academic environment in the United States should develop spoken and written English language skills to effectively communicate novel research/educational materials in the language most relevant to a majority of the society and country.
- Provide considered comment to the public at large on matters involving chemistry. Chemical scientists are in the best position to decipher and communicate complex matters of chemistry for the general public.
- Honoring commitments made in the context of fulfilling professional duties, whether to students, colleagues or employer.
- Understanding all facets of intellectual property that may be generated from original work
- Establish and maintain lines of communication throughout the academic and professional communities.
- Generate Generating opportunities for appropriate educational and research collaborations.
- Participating in life-long learning. Chemical scientists should continue their education and professional development, actively participate in appropriate professional societies, and interact with other professionals in the field so as to enhance their capabilities.
- Seeking professional development opportunities to increase mentoring skills.

### **The Student and Postdoctoral Associate**

Although the following section focuses on graduate students and postdoctoral associates, these guidelines also apply to undergraduate students where appropriate, especially those engaged in undergraduate research.

### **Responsibilities to the Faculty and the Institution**

The student should demonstrate honesty, integrity, and diligence in the conduct of research, teaching, and in the completion of academic courses. The graduate student should diligently pursue coursework and, as appropriate, teaching and thesis research. Included in this obligation is the timely completion of manuscripts, publications, and a dissertation. Students are responsible for being aware of and adhering to policies related to plagiarism.

~~Students should be fully aware of the ethical, legal, health, and safety implications of their education, research, and teaching in both the academic community and in the public setting.~~

~~Students and postdoctoral associates should take personal responsibility for understanding, practicing, and promoting appropriate safety procedures.~~

~~Students have the responsibility to pursue vigorously educational opportunities directed toward becoming chemical professionals.~~

~~Students should seek to broaden their educational and professional development through experiences such as industrial internships, coursework in other disciplines, and other experiential programs such as classroom teaching.~~

~~It is the responsibility of the student to monitor progress in coursework, consult with appropriate individuals when difficulty arises, and cooperate in efforts to resolve these difficulties. The student should seek further guidance from an appropriate higher academic or administrative level if a problem cannot be resolved with the faculty member.~~

~~The research student or postdoctoral associate should consult the supervising faculty advisor/mentor at appropriate intervals regarding progress and should openly discuss relevant technical and administrative problems. If a problem cannot be resolved with the faculty advisor/mentor, the graduate student or postdoctoral associate should seek further guidance from an appropriate higher academic or administrative level.~~

~~The student should honor commitments relating to teaching and research. The student should recognize that the faculty member devotes significant time and effort to classroom teaching, supervision of research, and other professional activities. The commitment by the faculty member should be matched by the student.~~

~~Students should maintain open lines of communication with other students and with faculty members. English language skills should be developed as necessary for improved spoken and written communication.~~

~~Students should clearly understand their rights and obligations related to intellectual property and authorship, keep accurate and complete laboratory notebooks and records to document their work and ideas, and communicate their results as appropriate.~~

~~Mentoring opportunities should be actively sought. More experienced students should serve as mentors and educators for others. Prospective mentors should seek professional development opportunities to increase their mentoring skills.~~

~~Postdoctoral associates should recognize their dual role as both employees and scientific peers of their research mentor. Postdoctoral appointments should be considered a short term transitional period between graduate school and an independent professional position.~~

~~Postdoctoral appointments should broaden the base of the associate's knowledge and be of mutual benefit to the associate and host laboratory.~~

**The****Faculty Members****Responsibilities to Students and Colleagues**

~~The faculty member should exhibit honesty, integrity, and diligence in the conduct of research, teaching, mentoring, and all other professional responsibilities. Faculty members bear a responsibility to inculcate these values in their students.~~

~~The faculty member must take responsibility for establishing a laboratory environment consistent with the current best practices in chemical safety, including the workplace right to know law governing employees and students. Faculty members should use their expertise to assist university safety personnel in those situations involving chemical hazards or spills.~~

~~The faculty member should contribute to building a collegial environment among all full and part-time faculty members, students, postdoctoral associates, and staff.~~

~~The faculty member should be a model for the professional development of students, colleagues, and staff by continuing professional development and scholarship. Broader self-education within the discipline of chemistry and chemical education as well as outside of chemistry is appropriate.~~

~~Full attention should be directed to student learning, recognizing that the acquisition, interpretation, and dissemination of knowledge are the principal functions of an academic institution. In this role as a teacher, the faculty member should stimulate the students' interest, broaden their outlook, and encourage a sense of inquiry.~~

~~The faculty member should willingly serve as a mentor to students, postdoctoral associates, and other faculty members. Mentoring should include assistance in developing a successful career and should encourage the development of a sense of inquiry, a habit of broad-based learning, and professional communication skills. The special obligation to provide sound guidance to undergraduate students should be recognized. Prospective mentors should seek professional development opportunities to increase their mentoring skills.~~

~~The faculty member should encourage and provide opportunities for students to develop writing, speaking, listening, or other communication skills necessary to achieve success in their careers. Students studying or working in the United States should be encouraged to improve their conversational and scientific English communications skills. Faculty members should seek professional development opportunities to increase their own communication skills.~~

~~The faculty member should encourage the development of initiative and independent thinking by students and postdoctoral associates.~~

~~The faculty member should maintain an environment in the research laboratory that fosters productivity, collaboration, and respect among co-workers.~~

~~The faculty member should recognize the research contributions of students, postdoctoral associates, or staff by co-authorship or appropriate acknowledgment in publications. Regular and periodic evaluation should be provided to students and postdoctoral associates. This communication should~~

~~concern the progress of the research and provide feedback regarding the status relevant to the project, as well as constructive suggestions toward resolution of any research difficulties encountered. A functioning advisory committee should be formed for each graduate student as soon as the research is initiated. The committee should meet periodically with the student and faculty member to evaluate progress and to provide further guidance to the student.~~

~~The faculty member should guide the student so the degree requirements, including coursework and research, can be satisfactorily completed in a reasonable amount of time.~~

~~If satisfactory progress is not being made, the faculty member should inform the student that a problem exists and offer the student opportunities to correct the situation. Options may include changing research projects or faculty advisors. This discussion should occur as soon as a problem is noticed.~~

~~The faculty member should be aware of the institution's policy and accepted professional expectations toward intellectual property, such as authorship, patents, and copyrights, and inform students and postdoctoral associates of and expect them to conform to that policy.~~

~~The faculty member should inform each postdoctoral associate in writing of the financial support and benefits to be provided. Fair and consistent practices in hiring and compensating postdoctoral associates should be observed.~~

Faculty members have a primary responsibility toward the education of students. This education comes in the form of teaching, research, and service to the institution and community. The faculty member should contribute to building an open and collegial environment among all full-time and part-time faculty members, students, postdoctoral associates, and staff. The faculty member should promote a productive working environment that fosters productivity, collegiality, collaboration, concern for safety, and respect among all members of the institution. The faculty member should be a role model for students, colleagues, and staff by continuing his or her own professional development and scholarship. Broad self-education within the discipline of chemistry and chemical education as well as outside of chemistry is appropriate.

#### **A. Responsibilities to Students**

The faculty member acts as a teacher, advisor, and mentor to students. In this role the faculty member should stimulate students' interest, broaden their outlook, and encourage inquiry. The faculty member should encourage the development of initiative and independent thinking by students.

1. Academic progress: The faculty member should guide students so all degree requirements can be satisfactorily completed in a reasonable amount of time. Regular and periodic evaluation should be provided to students. If satisfactory progress is not being made, the faculty member should inform the student that a problem exists and offer the student opportunities to correct the situation.

2. Research progress: An appropriate advisory committee should be formed for each graduate student. The committee should be constituted following the guidelines of the institution and include faculty whose research interests and technical expertise will guide the student to success. The committee should meet periodically with the student and faculty member to evaluate progress and to

provide further guidance to the student and promote the timely achievement of the degree. Similarly, for undergraduate and post-doctoral researchers, regular meetings to discuss research progress should be established and the results of experiments discussed.

3. Publications and Presentations: The faculty member should recognize the research contributions of students, postdoctoral associates, or staff by co-authorship or appropriate acknowledgment in publications and presentations and encourage students to actively participate in the submission of publication and presentations. The faculty member should know the institution's policy and accepted professional expectations regarding intellectual property, such as authorship, patents, and copyrights. The faculty member should educate students about these policies and ensure compliance with the policies.

4. Mentoring: The faculty member should willingly serve as a mentor to students and postdoctoral associates. Mentoring should include assistance in identifying and developing a successful career, and should encourage the development of a sense of inquiry, a habit of broad-based learning, networking skills, and skills related to working with others, both formally and informally. The faculty member should also encourage and provide opportunities for students to develop writing, speaking, listening, and technical and non-technical communication skills necessary to achieve success and to seek appropriate opportunities to broaden their education and professional development as appropriate for their students' career path.

5. Research Funding: A faculty member should actively seek appropriate internal and external funding to support teaching, scholarship, and research as well as the efforts of students associated with these endeavors. Faculty should support the efforts of their students to obtain their own funding by providing students with the necessary training and experience in order to be successful.

The faculty member should inform each student in writing of the financial support and benefits to be provided. Students should be notified in advance of any changes to financial support that will affect the program of study. Faculty should not accept research students if adequate research support cannot be provided. Fair and consistent practices in hiring and compensating students should be observed.

6. Teaching: Faculty members are responsible for delivering course material using appropriate pedagogy, administering fair assessments of student progress in a course, timely reporting grades to students and the institution, and remaining accessible to students through e-mail and office hours.

## **B. Responsibilities in Research and Education in the Laboratory**

The faculty members involved in research must take responsibility for establishing a laboratory environment consistent with the current best practices in chemical safety, including the Workplace Right to Know laws and OSHA Hazard Communication Standard governing employees and students. Faculty members involved in research should consider environmental impacts, sustainability and human health in managing laboratories, administration and instruction. The American Chemical Society Green Chemistry Institute has numerous resources available for institutions looking to manage their laboratories in a green and sustainable way.

## **Students and Postdoctoral Associates**

This section applies to any student or scholar involved in studying the chemical sciences including graduate students, postdoctoral scholars and undergraduates participating in scholastic activities such as teaching, learning, research, or collaboration. By nature, many students are learning the chemical sciences for the first time and they should be familiar with the basic guidelines for conduct in the field such as those outlined in *The Chemical Professional's Code of Conduct and Creating Safety Cultures in Academic Institutions: A Report of the Safety Culture Task Force of the ACS Committee on Chemical Safety*.

### **A. Responsibilities towards Studies**

Students are responsible for understanding all requirements necessary to complete their specific degree and they should actively strive to complete each requirement on schedule as expected by the institution and/or the faculty advisor. Students are responsible for monitoring their own progress throughout their degree program. As scholars, all students should take responsibility for their own learning and intellectual development. This includes reading primary literature, attending seminars and conferences, and asking questions of other scholars. Students in the chemical sciences must also be responsible for their own professional development, exploring possible career opportunities in the field of chemistry and working towards achieving them.

### **B. Responsibilities towards Research**

Students are responsible for educating themselves on safety and health hazards, ethical, and legal implications associated with their research in collaboration with faculty or mentor. If an issue arises during the course of a student's tenure in the laboratory, the student has the responsibility to seek the appropriate guidance from the advisor, department or administration by following institutional protocols.

Students must take responsibility and ownership of their projects and contribute intellectually to the research team. All experiments should be promptly, accurately, and properly documented. Laboratory notebooks should be complete, and all data should be properly recorded and analyzed. Results should be effectively communicated through proper writing and presentation skills. All results should be discussed with the primary investigator and manuscripts should be submitted in a timely manner.

When research results merit publication, student authors are expected to read and follow the ACS Ethical Guidelines to Publication of Research (<http://pubs.acs.org/userimages/ContentEditor/1218054468605/ethics.pdf>). Authorship is not a privilege and requires significant contribution to the research design, execution, and analysis of a series of experiments.

## **The Department**

The department has the most direct responsibility to create a safe, high-quality environment in which a combined teaching, learning, and research experience fosters the professional development of

students, staff members, and faculty. Departments must establish and nurture a *culture of safety* among faculty, staff, and students. Students should be instructed in the aspects of modern chemical safety appropriate to their educational level and scientific needs. They should be made aware that virtually all laboratory incidents are preventable when hazards and risks are minimized and proper procedures are followed.

### **A. Responsibilities to Faculty and Staff**

1. Courses and Course load: The department should be clear, consistent, and equitable in course load and specific course assignments for faculty. In the event a faculty member is eligible for an institutionally approved course load reduction, the department should advocate to the administration for necessary replacement support prior to assigning additional duties to remaining other faculty member(s).
2. Undergraduate Student Advising: The department should provide all necessary training and support for faculty serving as undergraduate academic advisors. If an official, institutional advisor training program exists, then the department should actively support participation by any faculty member serving as an academic advisor, especially junior faculty.
3. Graduate Student Advising: The department should maintain a clear and equitable policy for appointing faculty to serve on progress committees. Departments should ensure that these committees meet regularly to review all graduate students and that these committees provide clear, written feedback to students. Additionally, best practices protocols for handling confidential information should be developed, and updated as necessary, and faculty should receive thorough training in these protocols.
4. Professional Development: For faculty members and staff employees, the department should work closely with appropriate institutional administrators to develop and maintain programs and resources that support ongoing professional development. The department should maintain a mentoring and professional development policy such that new/junior faculty can more efficiently and effectively deliver the departmental course curriculum and execute research.

### **B. Responsibilities to Students**

1. Courses: Programs training undergraduate students in the chemical sciences are strongly encouraged to develop and implement curricula that meet the ACS Committee on Professional Training guidelines (<http://www.acs.org/content/acs/en/about/governance/committees/training.html>). The department should contribute to the maintenance of the institutional course catalog that informs students of the requirements for each degree offered. All instructional technology (websites, lecture notes, ancillary materials) should meet universal web design standards for website accessibility ensuring students with disabilities have a level educational playing field in the chemical sciences.
2. Seminars: To enhance students' professional networking opportunities, the department should maintain a regular program of seminars presented by external visitors from academia, industry, and government labs.
3. Guidance through the Departmental Program: Each undergraduate major should be assigned an advisor that is a full-time, tenured or tenure-track faculty member. As department resources permit,

faculty advisors could be supported by staff professional academic advisors who serve as additional resources for undergraduate curricular planning and guidance. To complement direct guidance received from a thesis or dissertation advisor, graduate students should be appointed a progress committee consisting of at least two full-time tenured or tenure-track faculty in the chemical sciences.

4. Career Development: Depending upon departmental resources and/or institutional structuring, the department should either maintain a formal career development program or actively support the career development program(s) housed elsewhere on campus. Career development support should include assistance in applying for on and off campus summer research opportunities, fellowships, scholarships, and travel support to participate in regional and national meetings. Students should have access to up-to-date listings of job postings and application deadlines.

5. Library Resources, Journal Holdings, and Scientific Data Bases: The department should work closely with institutional library professionals to ensure that books, monographs and technical journals provide broad coverage of the discipline and are readily accessible in hardback and/or electronic format. Appointing a full-time tenured or tenure-track faculty member to serve as library liaison is advisable. Students should be able to receive training on and reasonable access to databases containing information relevant to course work, laboratory work, and independent research work.

6. Physical Facilities: The department should maintain its building(s) and equipment holdings in the highest quality condition possible. Building use policies and equipment contained therein should be updated regularly.

## **The Administration**

The administration has the responsibility to support chemical scientists in working toward the mutual goal of providing the highest quality instruction, research, and public service in chemistry at the institution.

### **General Responsibilities to Chemical Scientists**

The hiring of full- and part time faculty members, research associates, staff and postdoctoral associates and the admission of graduate students should be done with integrity using fair and ethical standards. Each institution should establish clear, written

guidelines for compensation, benefits, and duration of appointments to safeguard against the abuse of chemical scientists in part-time and postdoctoral appointments.

The institution should provide:

- Teaching and research facilities commensurate with expectations for academic professionals.
- Adequate library facilities and information technologies.
- Information about copyright and patent laws, technology transfer, and intellectual property rights.

- ~~A safe working environment and promotion of a health and safety conscious atmosphere. Formal instruction on safe practices must be provided.~~
- ~~Contemporary educational technologies and modern laboratory instrumentation.~~
- ~~Opportunities that encourage professional development.~~

### **Responsibilities to Graduate Students and Postdoctoral Associates**

~~Upon admission to the graduate program or acceptance of a postdoctoral position, each student or postdoctoral associate should be informed in writing of the financial support and benefits that normally may be expected during the appointment period as well as the terms and conditions of the appointment.~~

~~The institution or department should provide formally established procedures to resolve disputes equitably. Graduate students and postdoctoral associates should be informed in writing of these procedures, which should be structured to provide prompt due process.~~

~~Postdoctoral associates should receive fringe benefits comparable to permanent employees.~~

~~Full time graduate students should have access to institutional health benefit plans commensurate with full time university staff.~~

~~Career and placement services should be provided for graduate students and postdoctoral associates.~~

### **Responsibilities to the Faculty Member**

~~The AAUP “Statement of Principles on Academic Freedom and Tenure” (1940), “Statement on Procedural Standards in Faculty Dismissal Proceedings” (1958), “Statement on Procedural Standards in the Renewal or Nonrenewal of Faculty Appointments” (1971), and “Statement on Professional Ethics” (1987) provide a framework for the institution in its relationship with faculty members.~~

~~A broad definition of scholarly work should be used by administrators to recognize and reward faculty members. Chemical education research and/or innovations should be part of such a definition.~~

~~The administration should provide regular teaching and learning workshops for full and part time faculty members and teaching assistants in order to ensure high quality instruction.~~

~~The administration should provide both full and part time faculty members with fair compensation and fringe benefits, teaching responsibilities consistent with professional expectations and the mission of the school, and a governance framework providing for input and participation of the faculty.~~

~~Adequate financial support for scholarship should be made available to incoming faculty members so that they can begin to establish careers as productive teacher scholars.~~

~~The administration should foster a climate of faculty mentoring throughout their careers. Each institution has a unique "culture", the understanding of which is very important early in a career, and the administration should take efforts to insure that all faculty members are comfortable in this culture.~~

~~The administration should encourage and support collaborative scholarship and interdisciplinary programs so that the important role of chemistry in many other disciplines can be effectively exploited.~~

~~The administration should recognize that the evaluation of a faculty member's performance is best done by invoking a variety of techniques and approaches. In the case of collaborative work, the administration should develop means to assess and reward individual contributions appropriately.~~

## **The Institution**

### **Responsibilities**

The AAUP "Statement of Principles on Academic Freedom and Tenure" (1940), "Statement on Procedural Standards in Faculty Dismissal Proceedings" (1958), "Statement on Procedural Standards in the Renewal or Nonrenewal of Faculty Appointments" (1971), and "Statement on Professional Ethics" (1987) should provide a framework for the institution in its relationship with faculty.

1. Recruitment and Hiring: The institution should seek a diverse workforce and make special efforts to identify and attract all qualified candidates to their faculty and staff. Faculty search committees should be constituted to represent diverse points of view and perspectives.

The institution should also seek a diverse student body and make special efforts to identify and attract all qualified candidates to their graduate and postgraduate programs. The 2000 National Academies report entitled "Enhancing the Postdoctoral Experience for Scientists and Engineers: A Guide for Postdoctoral Scholars, Advisers, Institutions, Funding Organizations, and Disciplinary Societies" should provide a framework for the institution in its relationship with postgraduates.

Institutions have a responsibility throughout the hiring and recruitment process to advertise all faculty and postgraduate employment opportunities and graduate assistantships widely, follow the institution's published ethical, equal employment and legal policies, make fair and equitable salary and start-up offers, and ensure that all candidates have the information needed to make informed and responsible decisions regarding their employment or course of study.

All new faculty, staff, and students should be oriented with respect to the opportunities and resources available to them at their institution. Training and orientation should include meetings with administration and other new faculty that will foster collaborations and collegiality. Students serving as instructors in the classroom and/or the laboratory should be provided with proper training and supervision to enable them to competently carry out their responsibilities as student instructors.

2. Governance: The institution is responsible for ensuring that a governance framework is in place that facilitates the input and participation of its faculty in developing and implementing policy related to personnel including faculty and administrators, budget, and educational policies.

3. Evaluation: The institution has a responsibility to provide an evaluation process, an appeal process, and clearly defined standards for all faculty and staff. As faculty are traditionally evaluated in the areas of teaching, research and service, the definitions and criteria in each category should be explicitly defined and be sufficiently broad to reflect the diverse nature of scholarship in the chemical discipline. The administration should recognize that the evaluation of a faculty member's performance is best done by invoking a variety of techniques and approaches. Criteria for graduate student evaluation should be developed and implemented. Non-tenured faculty, staff, graduate students and post-doctoral scholars should be reviewed annually and provided with timely, written feedback concerning their performance. The institution has a responsibility to provide a mechanism to grieve decisions about their academic performance, employment, salary or teaching assignment without fear of reprisal.

4. Compensation: The institution has a responsibility to ensure that all faculty, staff and students are compensated for their performance and that the compensation is fair and equitably distributed. Where inequities are found to exist, the institution has a responsibility to address these inequities in a timely manner and should provide a grievance procedure to ensure due process. In the case of collaborative work, means should be developed to assess and compensate individual contributions appropriately.

5. Safe and Adequate Facilities: The institution has a responsibility to ensure its faculty and students have been informed and educated concerning all laboratory hazards in the institution's teaching and research laboratories through the development and implementation of an active Chemical Hygiene Plan (CHP). The institution has a responsibility to administer an active, ongoing laboratory safety program that oversees all its teaching and research laboratories. The CHP should include establishment of university-wide standard operating protocols, training programs for use of chemicals and handling and disposal of wastes, monitoring programs, provision of medical consultations and examinations, if needed, and identification and provision of the appropriate engineering controls and safety equipment such as chemical fume hoods, glove boxes, ventilated flammable chemical storage cabinets, fire extinguishers, fire alarms, eye wash stations, showers, fire blankets, personal protective equipment, etc. Classroom and laboratory facilities should meet universal design standards and be accessible to students with disabilities.

6. Faculty Development and Mentoring: The institution should provide a mechanism and support for faculty development in teaching and research at all levels. Such support could include institutional grants, workshops, colloquia, and faculty learning communities. The institution should foster a climate of faculty mentoring over the course of their academic careers. As each academic institution has its own unique "culture," the institution has a responsibility to educate new members concerning its particular requirements for sustained membership in the community.

7. Interdisciplinary and Collaborative Scholarship: The institution should develop a formal definition of scholarship that is both broad and adaptable. This should be used to recognize and reward faculty members. Chemical education research and other innovations should be part of the definition. Institutions should encourage and support interdisciplinary and collaborative scholarship so that the role of chemistry as the fundamental science can be effectively leveraged to foster innovation and competitiveness. Institutions hiring faculty involved in interdisciplinary and collaborative efforts should develop appropriate means to assess and reward individual as well as corporate contributions and those that cross traditional academic disciplines.

## History

### First Edition

Approved by the Council April 17, 1991

Adopted by the Board of Directors August 25, 1991

### Second Edition

Approved by the Council March 16, 1994

Adopted by the Board of Directors June 3, 1994

### Third Edition

Approved by the Council April 4, 2001

Adopted by the Board of Directors June 9, 2001

### Fourth Edition

Approved by the Council April 9, 2008

Adopted by the Board of Directors (June 2008)

### Fifth Edition

Approved by the Council (

Adopted by the board of Directors (date)

## REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

The official attendance at the 249<sup>th</sup> National Meeting in Denver, CO, totaled 13,964. The exposition in Denver had 363 booths with 240 exhibiting companies.

Per the National Meeting Long-Range Financial Plan, M&E recommends the Early Member Registration Fee for the 2016 national meetings will be \$415.

M&E recommended to the ACS Board of Directors that Washington, DC be designated as the site for meeting dates August 17-21, 2025 and August 20-24, 2028. The economic model adopted by M&E in 2013 resulted in the reduction to convention center lease agreements exceeding \$330,000 for each of these meetings. ACS official hotel rates will be far below market value in 2025 and 2028.

Due to space restrictions for the fall 2015 National Meeting in Boston, there will be no exemptions from even programming.

M&E voted to recommend to the Board of Directors that the 2021 National Meeting in Boston, MA be relocated to Atlanta, GA, and that Atlanta, GA, also be awarded the 2026 Spring National Meeting. The Board of Directors approved these sites. The action to relocate the 2021 Fall National Meeting from Boston to Atlanta occurred because of the unfavorable financial package offered by the city of Boston.

As part of the continuing ACS sustainability effort and to encourage the use of the ACS mobile app and on-line program, M&E has decided to discontinue free distribution of the hard copy program book starting in 2016. Program book fees of \$10 and \$20 will be established for those attendees who wish to purchase a book with registration or on-site. 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 Mobile App continues to be a success. There were over 5,000 downloads of the Denver Mobile App.

In recognition of our efforts to green the ACS National Meetings, ACS was honored as the show with the Most Commendable Green Initiatives by the 2014 Trade Show Executive's Gold 100 Grand Awards.

In response to requests from various Regional Meeting (RM) organizers, the M&E Subcommittee on Regional Meetings has identified a company to provide a mobile app for regional meetings. The collaboration with RM stakeholders was valuable to the selection of Guidebook as the vendor to provide our first regional meeting app.

Will E. Lynch, Chair

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Jetty L. Duffy-Matzner  
Kevin J. Edgar  
Emilio X. Esposito  
Gregory P. Foy  
Robert J. Hargrove

Lynn G. Hartshorn  
Martha G. Hollomon  
Warren D. Hull  
Silvia S. Jurisson  
Abby Kennedy  
R. Daniel Libby  
Christopher Masi

Martin D. Perry  
John Pochan  
Susan M. Schelble  
Michael Singer  
Mark Wicholas

Associates  
Mark A. Benvenuto  
Patrick Idwasi  
Jackie J. O'Neil

Marina A. Petrukhina  
D. Paul Rillema

Staff Liaison: Alan Hutchins

## REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS

Since the Council meeting in Denver, the Committee on Constitution and Bylaws (C&B), acting for the Council, issued certified bylaws to the Florida, Jacksonville, and Southeastern Pennsylvania Sections. C&B reviewed proposed bylaw changes and submitted a preliminary report to the Virginia Section. As requested by the Mojave Desert, Northeast Georgia, and Panhandle Plains Sections, C&B prepared expedited bylaws for vote by these Sections' members.

Certified bylaws are posted on the web at [www.acs.org/bulletin5](http://www.acs.org/bulletin5) (click on unit bylaws), so you (and others) can see how long it's been since you last updated your bylaws. If it's been awhile, your division or local section probably has to conduct its elections through the U.S. mail. There are two easy methods to update your bylaws, except that the expedited method is not available for incorporated units. The methods and bylaw templates are posted at the previous link, or feel free to contact C&B at [bylaws@acs.org](mailto:bylaws@acs.org) for further information.

In Denver, C&B modified its bylaw templates (previously the model bylaws), and in Boston, C&B will be discussing and voting on changes to charter bylaws for divisions, local sections, and international chemical sciences chapters. C&B will also seek input from DAC, LSAC, and IAC on both the templates and the charter bylaws for their respective unit.

There are two petitions, along with two corresponding procedures documents, for action at this meeting. New petitions to amend the Constitution and/or Bylaws must be received by the Executive Director ([bylaws@acs.org](mailto:bylaws@acs.org)) by **November 25** to be included in the Council agenda for the spring 2016 meeting in San Diego. We recommend sending draft petitions to C&B at least one or two months before this deadline so that we can assist with wording and petition requirements, if you wish.

You can access the ACS Governing Documents (Bulletin 5) at [www.acs.org/bulletin5](http://www.acs.org/bulletin5).

ACS members are invited to attend C&B's open meeting on Sunday, August 16, from 1:15 - 1:45 pm. The committee will give a brief status report and will respond to any questions or comments you may have on committee-related matters.

James C. Carver, Chair

V. Dean Adams  
Matthew K. Chan  
David S. Crumrine  
Stan S. Hall  
Donald K. Harriss

Eckhard Hellmuth  
C. Marvin Lange  
Virgil J. Lee  
Walter O. Siegl  
Steven Trohalaki

Blake Vance  
Paul F. Vartanian  
John A. Whittle  
Doris L. Zimmerman

Associates  
Hiroko I. Karan  
Jason E. Schaff  
David M. Singleton

Staff Liaison: Barbara F. Polansky

#### A. Analytical Reagents

The committee oversees and updates the ACS publication “Reagent Chemicals, Specifications and Procedures”, which defines the specifications for “ACS Reagent Grade” chemicals used around the world. The revised 11<sup>th</sup> edition of the hardcopy version of the book is currently in production and tentatively scheduled for publication in the fourth quarter of 2015. Discussions are also ongoing for an electronic version of the 11<sup>th</sup> edition.

The new edition incorporates the “Supplements” accumulated over the past 7 years, removes some obsolete test methods, improves instructions for many existing ones, and also introduces some new methods. Overall, the safety, accuracy, or ease of use in specifications for about 70 of the 430 listed reagents has been improved, and 7 new reagents added. While there are numerous small changes, such as incorporation of the IUPAC 2009 re-definition of some atomic weights, there are several changes particularly worth noting:

1. The replacement of polarography for measuring carbonyl impurities with GC/MS – a process which is only partly complete.
2. The heavy metals test method for 31 reagents has replaced the use of sulfide precipitation with the use of ICP-OES.
3. A Green Chemistry Initiative, which incorporates less toxic reagents in existing test methodologies.

In addition, there is an unadvertised (and nearly unknown) “Standards” section of the book which has been expanded by the addition of sections on phthalates and brominated ethers; the sections on explosives and phosphorous insecticides have been expanded.

Paul A. Bouis, Chair

Subhra Bhattacharya  
Russ Cooper  
Huifang Lang  
Tom J. Mancuso  
Robert Thomas  
Allen W. Verstuyft  
Louis E. DuPont

James N. Francis  
Jack Hubball  
Michael Jeitziner  
Robert W. Kramer  
Donald S. MacLean  
Mary Beth O'Donnell  
Nancy S. Simon

Kenneth J. Herwehe  
Nelly N. Mateeva  
Richard J. Petroski  
Tom Tyner (Co-Chair)  
Shyam K. Verma  
Wayne C. Wolsey

Associates  
Rachel J. Blankenship  
Eric Bosch  
Norman A. Johns  
Avrom C. Litin  
Belvard A. Prichard  
Loren C. McBride

Staff Liaison: Robert W. Hauserman

B. Chemical Safety  
(joint with Board)

The Committee on Chemical Safety (CCS) provides the best possible support and resources in safety to our ACS members and the chemical enterprise. The committee is aligned with ACS Strategic Goal 3 “ACS will support reforms and initiatives that result in safer laboratory practices.” CCS’ Vision Statement is “A culture that results in all chemical practitioners working safely” and its mission is “To promote and advance a positive safety culture by providing authoritative resources” – these were established at the recent CCS’ Strategic Planning Retreat in October 2014. To advance both its vision and mission the committee continues to seek ways to strengthen the safety culture of academic and other institutions and address ways to improve laboratory safety as well as to find ways to prevent or minimize incidents in academic institutions.

Identifying and Evaluating Hazards in Research Laboratories

Several years ago the Chemical Safety Board (CSB) asked the ACS for assistance in developing guidance on managing the hazards unique to laboratory chemical research. (CSB concluded that current standards on hazard evaluation, risk assessment and hazard mitigation are geared toward industrial settings and are not transferrable to the academic research laboratories.) The CCS, in close coordination with the Division of Chemical Health and Safety, commissioned a task force of stakeholders and subject matter experts to create such a guide and this spring the committee was pleased to release the final report document on *Identifying and Evaluating Hazards in Research Laboratories*. This final version of the document resolves comments received to date from the community of users. This guide was written for researchers without deference to the stage in their careers, undergraduate students, graduate students, postdoctoral scholars, instructors, principal investigators, and departmental chairs for implementation in a scientific research laboratory. Consideration was given to the variable nature of research in the preparation of this guide and in the presentation of the techniques provided. The report presents assessment approaches that are intended to be relatively easy to implement and use. While research laboratories and researchers are the primary audience for this guide, other readers may find it equally useful. The guide can be downloaded from the CCS website at [www.acs.org/safety](http://www.acs.org/safety).

In the coming months, CCS plans to add the associated web tools and explore possibilities of integrating the new tools within the existing ACS education programs.

Task Force for Safety Education Guidelines (TFSEG)

As part of its strategy and efforts to help strengthen academic safety culture and provide authoritative resources for the ACS community, CCS established the Task Force for Safety Education Guidelines (TFSEG). The purpose of the TFSEG is: to develop guidelines for laboratory safety education for secondary, undergraduate, and graduate education. Membership on TFSEG represents a broad base of ACS organizations, including CCS, the Society Committee for Education, the Committee for Professional Training, the Committee on Ethics, Corporation Associates, the Graduate Education Advisory Board, the Two-year College Advisory Board, the Division of Chemical Health and Safety, the Division of Chemical Education, the American Association of Chemistry Teachers, and other members representing universities and high schools. The task force consists of three working groups – representing 1) secondary schools, 2) undergraduate schools, and 3) graduate schools. The groups have decided to organize the guidelines using the RAMP concept. RAMP stands for: R: Recognize the hazards; A: Assess the risks of the hazards; M: Minimize the risks of the hazards; P: Prepare for emergencies from uncontrolled hazards. The draft of the guidelines is to be presented to the committee during the Boston meeting.

CCS Safety Advisory Panel

The CCS Safety Advisory Panel (SAP) serves as a technical environmental, health, and safety resource for the committee and ACS as a whole in addressing emerging and complex chemical safety and regulatory issues on an as needed basis. It identifies avenues for the ACS to address these issues; provides expert guidance in developing reports and in responding to environmental, health, and safety questions that extend beyond those

for which ACS guidance is available; and works with other ACS responsible parties in preparing draft ACS responses to EHS regulatory concerns that arise. The Panel held its annual meeting at the ACS Headquarters on June 19-20. The CCS SAP has two key projects to undertake in 2015 to support the CCS mission. They are to develop a user-friendly web version of the information provided in the *Identifying and Evaluating Hazards in Research Laboratories* and to develop best practice guidance for organizations to produce and share *Lessons Learned* associated with laboratory incidents. (The SAP itself will not engage in creating a database but will provide a resource that would support institutions willing to create their own case studies of the lessons learned from laboratory situations that do not go as planned.) Documenting and sharing these learning opportunities can be a significant challenge, for a variety of cultural and logistical reasons. In order to help the academic chemistry community take advantage of these opportunities, the CCS SAP is developing a short document that explains:

- The ethical value of sharing lessons learned
- Cultural concerns associated with such efforts
- How information to support these lessons can be efficiently and effectively collected and organized
- Opportunities to share these lessons at whatever level of detail and anonymity is appropriate
- Points to Lesson Learned resources that are currently available

CCS believes these important efforts merit strong support from ACS management to demonstrate that safety is an important goal for all ACS members, and we want to thank for its continued commitment to our efforts and the safety of ACS members everywhere.

Elizabeth M. Howson, Chair

Georgia Arbuckle-Keil  
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Scott R. Goode  
Robert H. Hill, Jr  
Kirk P. Hunter  
Kimberly B. Jeskie

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George J. Lechner  
Edward M. Movitz  
Russell W. Phifer  
Darlene K. Slattery  
Kyle S. Strode  
Weslene Tallmadge

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Matthew C. Crowe  
Anna L. Dunn  
Ms. Robin M. Izzo  
Michael G. Koehler

Nicholas F. Materer  
Sr Carol Ann Meyers  
Darryl R. Prater  
Al Ribes  
Rebecca Riggs  
Ralph Stuart

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Staff Liaison: Marta Gmurczyk

C. Chemists with Disabilities  
(joint with Board)

The Committee on Chemists with Disabilities (CWD) conducted a strategic planning workshop in mid-June 2015. The resulting strategic plan focused on working with ACS to assure that ACS continues to forge advances and equity for its members with disabilities as well as forming partnerships with external entities to better leverage ACS resources.

The CWD worked with Office of Public Affairs 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 as PA&PR adopted the newly proposed position as a public policy statement of the Society. Thank you ACS!

The monograph "Teaching Chemistry to Students with Disabilities" has been updated by CWD. The updated book is available on-line via the Rochester Institute of Technology. The newly developed CWD strategic plan contains a plan to develop a web-based interactive Teaching Chemistry to Students with Disabilities product.

CWD designed and produced posters of three well known scientists with disabilities; Thomas Edison (inventor with 1,093 patents/hearing and learning disability), Joseph Priestley (discovered Oxygen/speech disability) and Sir Humphrey Davy (discovered Sodium, Potassium, Chlorine, Boron, Magnesium, Calcium, Strontium, and Barium/vision impairment). To increase awareness of the capabilities of people with disabilities, the posters were featured in the ACS National Meeting Expo Hall, in the halls of the ACS governance hotel, outside of the CWD meeting, the Diversity and Inclusion Reception, and the Committee on Minority Affairs Luncheon. CWD is expanding these posters to include Albert Einstein (world renowned physicist/dyslexia) and John Cornforth (Nobel Laureate - stereochemistry of enzymatic processes/hearing disability) and to further increase visibility of scientists with disabilities via distribution of smaller sized images of these posters these posters via bookmarks and classroom-sized posters.

CWD is working with the ACS Diversity and Inclusion (D & I) Board to highlight and celebrate the 35<sup>th</sup> Anniversary of the Committee on Chemists with Disabilities and the 25<sup>th</sup> Anniversary of the Americans with Disabilities Act at the Sunday evening D&I networking reception. The keynote address will encourage increased alliances and cooperation among the various ACS entities under the D & I umbrella.

John J. Johnston, Chair

Allison A. Aldridge  
Karl S. Booksh  
Dennis M. Fantin  
Robert A. Gates  
Lee W. Hoffman  
Taylor C. Hood

Kristin Bowman-James  
Todd E. Pagano  
Missy A. Postlewaite  
Rafael I. San Miguel  
Annemarie D. Ross  
Marilynn Sikes

Virginia Stern  
Judith A. Summers-Gates  
Cary A. Supalo  
Zelda R. Wasserman  
Henry Wedler

Associates  
Marcie J. Merritt  
Patricia Ann Redden  
James Schiller

Stacy L. Stoll  
Darrell G. Watson

Consultant  
Laureen Summers

Staff Liaison: Paula H. Christopher

D. Community Activities  
(joint with Board)

National Chemistry Week (NCW) will be celebrated October 18-24, 2015 with the theme “Chemistry Colors Our World.” All Local Sections are encouraged to participate through hands-on science events, local illustrated poem contests, and by collecting crayons and arts supplies for children in shelters, which is the NCW 2015 Community Event. Resources specific to NCW coordinators are located at [www.acs.org/ncw](http://www.acs.org/ncw) (Organize an NCW Event). It is important that Local Sections identify a Member as NCW coordinator.

At the Denver National Meeting, the weather cooperated and a huge crowd came out for our outreach event at the Denver Zoo. We had an outstanding response from the local volunteers and had sixty volunteers presenting eight tables of hands-on activities from 10 am – 2 pm, reaching an estimated 650 members of the public. ACS President Diane Schmidt was in attendance for the presentation of a Salute to Excellence to the Denver Zoo. The Denver Zoo and the Colorado Local Section joined in on the fun, presenting their own tables of activities along with us.

On April 22, 2015, CCA led the Society's outreach efforts for Chemists Celebrate Earth Day (CCED). This year's theme “Climate Science, More than Just a Weather Report” encouraged ACS members to engage the community in the importance of education in this global concern. More than 50,000 printed copies of *Celebrating Chemistry* were distributed in English and Spanish, and the publication is available on line. There were 53 finalists in the Illustrated Poem contest, and winners were identified in all four grade ranges (K-2, 3-5, 6-8, 9-12).

During the Boston National Meeting, CCA will facilitate hands-on activities at the Boston Children's Museum on Saturday, August 15, 2015, from 10 am to 1 pm. All are encouraged to visit the museum and show support.

Looking ahead, planning is underway for CCED 2016 with the theme, “The Great Indoors – The Home Ecosystem”, and NCW 2016 with a topic covering forensics and crime-solving. As always, CCA encourages Councilors to ensure that their Local Section has a Member appointed as outreach coordinator in their Local Sections and to consider nominating outstanding volunteers for the Local Section Outreach Volunteers of the Year Award. You can learn more about ACS outreach activities at [www.acs.org/outreach](http://www.acs.org/outreach).

George Heard, Chair

Janet A. Asper	Alan A. Hazari	E. Gerald Meyer
Ronald P. D'Amelia	George L. Heard	Kim M. Morehouse
Holly L. Davis	Christine H. Jaworek-Lopes	Sally B. Peters
Marilyn Duerst	Sheila Kanodia	Amy M. Pollock
George H. Fisher	Avrom C. Litin	Richard G. Rogers
Kenneth P. Fivizzani	Ressano Machado	Sanda P. Sun
Melissa L. Golden	Michael B. McGinnis	

Associates

Neal Abrams	Lawrence E. Metcalf
Shawn M. Dougherty	Verrill M. Norwood
Jacqueline Erickson	Lori S. Van Der Sluys
Alex M. Madonik	

Staff Liaison: Alvin Collins

E. Ethics

The Committee on Ethics (ETHX) actively engages in conversations with many ACS units in its efforts to aggregate, facilitate, and encourage the society's ethics programming, education, and awareness. Since its last report to Council, ETHX has had interactions ranging from dialog to report and from feedback to symposia co-sponsorship from many ACS units including the Committee on Chemical Safety (CCS), the Committee on Economic and Professional Affairs (CEPA), the Division of Chemistry & the Law (CHAL), the Chemical Information Division (CINF), the Division of Professional Relations (PROF), the Younger Chemists Committee (YCC), and others. A new liaisonship was established with the Committee on Environmental Improvement (CEI). The committee continues to welcome requests from ALL ACS units to facilitate the Committee and Society goals.

Several committee members were contacted by a third party asking ETHX to consider the establishment of "...independent expert committees..." concerning their allegations of scientific misconduct in the data published in an ACS Journal. After reminding the members that ETHX is prohibited from adjudication, a discussion of the appropriate action was held. In the event of future communications of this type, the members were urged to contact the Chair or Staff Liaison, and to refrain from any direct contact with those seeking the imposition of some sanctions. One of the actions that could be taken in some instances is the development of educational materials to highlight both improper and proper behavior.

ETHX reviewed two of the CEPA documents pertaining to ethics, and also discussed the NSF proposal submitted by Greg Ferrence and Sue Schelble regarding the development of measureable outcomes from the workshops sponsored in part by this committee. The Chair submitted a letter of support to NSF for the project. ETHX also reviewed the recommendations from ConC that were included in their performance review for the committee. Specific points of discussion included subcommittee structure and the number of committee members. No consensus was reached, and the discussion of these topics will continue in Boston.

The Chair attended the New Chair training that was offered in Dallas in January. Also, the chair and consultant to the committee were invited to attend the annual "Connecting Silos Ethics Curriculum Conference" in May; however, because of a family emergency the Chair was unable to attend.

Keith Vitense, Chair

Ben Chastain  
Victor Hruby  
Leah McEwen  
Sergio Nanita

Laurence Doemeny  
William Leong  
Edward Mottel  
James Tatera

Associates  
Lester Bynum  
Helen Gerhard  
Karlo Lopez  
Patricia Malbrouk  
Steven Tait

Consultant  
Sue Schelble

Staff Liaison: Eric S. Slater

F. International Activities  
(joint with Board)

The ACS Joint Board-Council Committee on International Activities (IAC) acknowledges the efforts, networks and dedication of its members and associates, and those of ACS Office of International Activities in furthering the Society's constitutional commitment to *cooperate with scientists internationally and be concerned with the worldwide application of chemistry to the needs of humanity.*" *Article II, Section 3, ACS Constitution.* The following provides an account of its activities at the ACS National Meeting in Denver and subsequent follow-up.

**International Chapters.**

- 1) At Denver the committee moved and the ACS Council approved the establishment of ACS International Chemical Sciences Chapters in India and Taiwan. The ACS Board added its approval in June.
- 2) The committee reviewed new applications to establish ACS International Chapters in Brazil, Nigeria, Peru, and the United Arab Emirates.

**Education and Outreach Activities.**

- 1) The committee congratulated the organizers on the initiative to launch the ACS / Mexican Chemical Society joint Spanish webinar program.
- 2) The committee discussed and endorsed cooperative engagement and the development of programming involving Cuban Chemical Society representatives at the ACS National Meeting in Boston.
- 3) The committee heard reports on and fully supported the ACS festival grant program and its programming efforts to sustain it.
- 4) ACS International Research Experiences for Undergrads (IREU) is a program supported by NSF to place US chemistry students in Europe and Southeast Asia for international research experiences. In summer 2014, 17 U.S. students from institutions with limited access to research facilities were recruited nationally to participate in the 10-week IREU program. Reports of their research were written. IAC members carried out peer review of their research reports in October to give the students practice in writing and submitting journal articles.
- 5) The committee received reports on: a) ACS US Department of State training program for young scientists and engineers in Thailand (BOOST) to be held in 2015, b) an ethics workshop to take place during the 2015 Asian Chemical Congress in Bangladesh in November, c) the IREU program for 2015, and d) the Chemical Sciences and Society Summit program in collaboration with four other chemical societies in September 2015.

**Meetings and Symposia.**

- 1) ACS leadership is working with ACS Northeast Regional Meeting (NERM) planning team, sister societies in Brazil, Canada, and Mexico and the Federation of African Societies of Chemistry, the ACS Division Activities Committee, the ACS Meetings and Exposition Committee, and others to create an AtlantiChem conference. This member initiative grew from a 2014 IAC Global Innovation Grant awarded to NERM.
- 2) An IAC Global Imperative Initiatives (Gii) grant was awarded to conduct a November 2015 workshop on Sustainable Conservation of Water Resources and Remediation of Polluted Water Sources in Niger Delta Region in Nigeria.

IAC is involved with several scientific and global networking events in Boston to which our Councilor colleagues are cordially invited. Please consult the national meeting agenda for locations.

- a. The IAC Subcommittee discussions and the Open Meeting (Saturday, 8/15, 8am-3pm)
- b. Symposium on “Opportunities for US/Cuba Collaboration in Chemistry” (Sunday, 8/16, 8am-12:45pm)
- c. IAC Global Regional Networking: Asia/Pacific Basin (Sunday, 8/16, 4-5pm)
- d. IAC International Welcoming Reception (Sunday, 8/16, 5:30-7:30 pm)
- e. Symposium on “True Stories from Entrepreneurs - BRIC Edition”, sponsored by SChB, cosponsored by IAC (Sunday, 8/16, 1-5pm; Monday, 8/17, 8am-12pm)
- f. Symposium on “Younger Chemists Exchanging More than Currency”, sponsored by YCC, cosponsored by IAC (Monday, 8/17, 8am-5pm)
- g. IAC Global Regional Networking: Americas and Africa (Tuesday, 8/18, 2-3pm)
- h. Symposium on “International Entrepreneurship: How to Start a Business and Thrive in the Global Marketplace” (Tuesday, 8/18, 8:30am – 5pm)
- i. IAC Global Regional Networking: Europe and the Middle East (Tuesday, 8/18, 6-7pm)

In the past 2-3 years, IAC has observed increasing interest among ACS international members to form ACS International Chapters. IAC welcomes this interest and is particularly pleased with the geographical spread of the interest. At the ACS National Meeting in Boston, *IAC will seek approval from our Councilor colleagues for the establishment of ACS International Chemical Sciences Chapters in Australia, Brazil, Nigeria, Peru and the United Arab Emirates. The applications were initiated by ACS members based in the respective countries. The applications have been reviewed and approved by the ACS Committee on International Activities.*

H. N. Cheng, Chair

Judith L. Benham	Richard W. Hartmann	Eli Pearce (posthumous)
Madan M. Bhasin	Nancy B. Jackson	Agnes M. Rimando
Ellene T. Contis	Csaba Janaky	Isai T. Urasa
Richard S. Danchik	Venera Jouraeva	Douglas B. Walters
Rama K. Durvasula	Jody A. Kocsis	
Timothy W. Hanks	Cynthia A. Maryanoff	

Associates

Jorge L. Colon	Todd D. Nelson
Scott R. Gilbertson	Luke B. Roberson
Morton Z. Hoffman	Javier Vela-Becerra
N. Bhushan Mandava	David Wu
Shelli R. McAlpine	Peter Zarras

Consultant  
Nina I. McClelland

Staff Liaison: Bradley Miller

**FOR COUNCIL ACTION**

**Petition to Charter an International Chemical Sciences Chapter**

One legal application has been received for the formation of a new international chemical sciences chapter to be known as the United Arab Emirates (UAE) International Chemical Sciences Chapter. The UAE International Chemical Sciences Chapter will consist of the territory of the United Arab Emirates, and is not part of any other Chapter or Local Section of the Society.

The petition was initiated and signed by ACS members in good standing and residing in the territory. The application meets all of the requirements of Bylaw IX of the Society, and includes a statement that the applicants are familiar with and will abide by all governing documents of the Society including specifically Bylaw IX Section 2(c), which states that the Chapter and its officers as representatives of the Chapter shall not engage in political activity, shall avoid any activities that may adversely affect the interests and/or public and professional image of the Society, and shall assure that all activities of the Chapter shall be open to all members of the Society. The application includes a proposed budget for the operation of the Chapter, which includes no allotment of funds from the Society. The petition has been reviewed by the ACS Joint-Board Committee on International Activities (IAC). This action seeks the approval of the Council and is contingent on the approval from the ACS Board of Directors, after which, the Chapter will begin operation

**Petition to Charter an International Chemical Sciences Chapter**

One legal application has been received for the formation of a new international chemical sciences chapter to be known as the Peru International Chemical Sciences Chapter. The Peru International Chemical Sciences Chapter will consist of the territory of Peru, and is not part of any other Chapter or Local Section of the Society.

The petition was initiated and signed by ACS members in good standing and residing in the territory. The application meets all of the requirements of Bylaw IX of the Society, and includes a statement that the applicants are familiar with and will abide by all governing documents of the Society including specifically Bylaw IX Section 2(c), which states that the Chapter and its officers as representatives of the Chapter shall not engage in political activity, shall avoid any activities that may adversely affect the interests and/or public and professional image of the Society, and shall assure that all activities of the Chapter shall be open to all members of the Society. The application includes a proposed budget for the operation of the Chapter, which includes no allotment of funds from the Society. The petition has been reviewed by the ACS Joint-Board Committee on International Activities (IAC). This action seeks the approval of the Council and is contingent on the approval from the ACS Board of Directors, after which, the Chapter will begin operation.

### **Petition to Charter an International Chemical Sciences Chapter**

One legal application has been received for the formation of a new international chemical sciences chapter to be known as the Nigeria International Chemical Sciences Chapter. The Nigeria International Chemical Sciences Chapter will consist of the territory of Nigeria, and is not part of any other Chapter or Local Section of the Society.

The petition was initiated and signed by ACS members in good standing and residing in the territory. The application meets all of the requirements of Bylaw IX of the Society, and includes a statement that the applicants are familiar with and will abide by all governing documents of the Society including specifically Bylaw IX Section 2(c), which states that the Chapter and its officers as representatives of the Chapter shall not engage in political activity, shall avoid any activities that may adversely affect the interests and/or public and professional image of the Society, and shall assure that all activities of the Chapter shall be open to all members of the Society. The application includes a proposed budget for the operation of the Chapter, which includes no allotment of funds from the Society. The petition has been reviewed by the ACS Joint-Board Committee on International Activities (IAC). This action seeks the approval of the Council and is contingent on the approval from the ACS Board of Directors, after which, the Chapter will begin operation.

### **Petition to Charter an International Chemical Sciences Chapter**

One legal application has been received for the formation of a new international chemical sciences chapter to be known as the Brazil International Chemical Sciences Chapter. The Brazil International Chemical Sciences Chapter will consist of the territory of Brazil, and is not part of any other Chapter or Local Section of the Society.

The petition was initiated and signed by ACS members in good standing and residing in the territory. The application meets all of the requirements of Bylaw IX of the Society, and includes a statement that the applicants are familiar with and will abide by all governing documents of the Society including specifically Bylaw IX Section 2(c), which states that the Chapter and its officers as representatives of the Chapter shall not engage in political activity, shall avoid any activities that may adversely affect the interests and/or public and professional image of the Society, and shall assure that all activities of the Chapter shall be open to all members of the Society. The application includes a proposed budget for the operation of the Chapter, which includes no allotment of funds from the Society. The petition has been reviewed by the ACS Joint-Board Committee on International Activities (IAC). This action seeks the approval of the Council and is contingent on the approval from the ACS Board of Directors, after which, the Chapter will begin operation.

### **Petition to Charter an International Chemical Sciences Chapter**

One legal application has been received for the formation of a new international chemical sciences chapter to be known as the Australia International Chemical Sciences Chapter. The Australia International Chemical Sciences Chapter will consist of the territory of Australia, and is not part of any other Chapter or Local Section of the Society.

The petition was initiated and signed by ACS members in good standing and residing in the territory. The application meets all of the requirements of Bylaw IX of the Society, and includes a statement that the applicants are familiar with and will abide by all governing documents of the Society including specifically Bylaw IX Section 2(c), which states that the Chapter and its officers as representatives of the Chapter shall not engage in political activity, shall avoid any activities that may adversely affect the interests and/or public and professional image of the Society, and shall assure that all activities of the Chapter shall be open to all members of the Society. The application includes a proposed budget for the operation of the Chapter, which includes no allotment of funds from the Society. The petition has been reviewed by the ACS Joint-Board Committee on International Activities (IAC). This action seeks the approval of the Council and is contingent on the approval from the ACS Board of Directors, after which, the Chapter will begin operation.

G. Minority Affairs  
(joint with Board)

The Committee on Minority Affairs (CMA) will meet at the ACS National Meeting in Boston on Sunday, August 16. CMA will continue its focus on the 20<sup>th</sup> anniversary celebration of the ACS Scholars Program at this meeting and will culminate with special events and symposia at the Boston meeting.

The ACS Scholars Program is an undergraduate program for gifted minorities who are under-represented in the chemical sciences and engineering. Since its inception 20 years ago, the program has awarded more than \$17 million in scholarship assistance to enable 2,500 talented minority students to pursue their dreams of a degree in the chemical sciences. What sets this program apart is the mentoring component and the outcomes. Fully 90% of all students in the program earn baccalaureate degrees within six years, with 80% remaining in the chemical sciences. This compares to a nationwide graduation rate of less than 60% for all students who enter college.

Equally impressive is the fact that although this is an undergraduate program, 220 alumni of the ACS Scholars Program have earned Ph.D.s. Some of these incredible alumni will be featured in two symposia that CMA is cosponsoring on Monday, August 17. The sessions, “ACS Scholars: Rising Stars in Academe”, and “ACS Scholars: Rising Stars in Industry”, from 8:30 AM to 11:30 AM, and 1:30 PM to 4:30 PM, respectively, will be at the Sheraton Boston Hotel. I highly encourage you to attend these sessions if your schedule allows.

CMA would like to work with ACS Technical Divisions on programming to bring more diversity to the speakers at ACS National Meetings. The committee encourages all divisions to contain a diversity statement on its websites similar to that for the Organic Division, which states that the Division “values proposals that reflect the diversity of interests and membership in the Division of Organic Chemistry, including representation from academics and industry, established and beginning investigators, and groups historically underrepresented in the profession” (see website [https://www.organicdivision.org/?nd=p\\_symposia\\_submissions](https://www.organicdivision.org/?nd=p_symposia_submissions)). But a statement alone won’t bring in more speakers; it takes an active effort. CMA can help if you are looking for speakers. Please contact us at [cma@acs.org](mailto:cma@acs.org).

In further celebration of the ACS Scholars celebration, CMA will hold a joint luncheon with the Committee on Corporation Associates on Monday, August 17 from 11:30 am – 1:30 pm, at the Sheraton Boston hotel. Drs. Allen Heininger and Carlos Gutierrez are two of the featured speakers, along with several ACS Scholars. The program will also include the presentation of the Zaida C. Morales Martinez Prize for Outstanding Mentoring of ACS Scholars. Tickets are available for purchase through the meeting registration process. We hope you will consider joining us.

We invite you to visit the CMA website (<http://www.chemdiversity.org/>). We have also extended our online presence to many social networks including Facebook ([www.facebook.com/acs.cma](http://www.facebook.com/acs.cma)), LinkedIn, and Twitter (@chemdiversity), to engage and interact. We would love for you to join the conversation.

Madeleine Jacobs, Chair

Luke E. K. Achenie  
Dawood Afzal  
Kishore K. Bagga  
Barbara Belmont  
Mary Boyd  
Tom Dealy

Onofrio (Dick) G. Gaglione  
Patrick Gordon  
Trinity Hale  
Christopher E. Hobbs  
Kimberly Jackson  
Ann C. Kimble-Hill

Mary J. Ondrechen  
Armando M Rivera Figueroa  
Michael Santiago  
Jerry Sarquis  
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Shanadeen C. Begay  
Benny Chan  
John DiCesare  
Agnes Dubey  
Robert M. Hoyte

Reni Joseph  
Steven A. Lopez  
Angedith Poggi-Burke  
Thomas W. Smith  
Alyssa C. Thomas

Staff Liaison: Joy Titus-Young

#### H. Nomenclature, Terminology, and Symbols

As part of its ongoing program to better serve the needs of Society membership, with the cooperation of ACS staff in Research and Market Insights, NTS prepared and distributed a survey to 2400 randomly selected ACS members. The questionnaire was intended to gauge Society familiarity with the NTS committee and its major initiatives. Analysis of survey results revealed that the majority of respondents were not very familiar with NTS. Survey respondents were overwhelmingly positive about the importance of key issues within the NTS realm of responsibilities. Provision was made to allow input for additional topics of interest for potential NTS study and action. This list of topics is under review. NTS is working on ways to further its study of issues related to nomenclature, terminology, symbols, and units, while trying to improve communication of its work to the membership. It is anticipated that more detailed analysis of the survey results will provide insights into potential projects of general interest and relevance to the membership.

Following a presentation to the Committee on Technician Affairs (CTA), NTS was asked for help in identifying a possible alternate term to refer to the members formerly referred to as chemical technicians. Recognition of increased educational training and experience levels for these members has prompted this examination. NTS is studying this issue, and will report its recommendation to CTA in Boston.

In Denver, continuing its outreach program described earlier, NTS delivered PowerPoint presentations, containing details of NTS personnel, programs, and potential areas for collaboration to SOCED and AGFD. Plans for additional outreach activities in San Diego (Spring 2016) and Philadelphia (Fall 2016) are under preparation.

This committee has previously reported on its input to an IUPAC questionnaire on the "Mole and Amount of Substance" issues. A document detailing and explaining the NTS response has been prepared and will be posted on the committee website for examination and comment by the membership.

NTS has maintained its awareness of planned changes to the International System of Units (Système International d'Unités, or SI system). Redefinitions of the mole and kilogram are of particular interest to ACS members as well as the entire chemical enterprise. At the Boston meeting, the NTS sponsored symposium "Chemistry and the International System of Weights and Measures" will be presented by the CCQM, the Consultative Committee for Amount of Substance: Metrology in Chemistry and Biology (formerly known as the Consultative Committee on Amount of Substance). A member of NTS will serve as moderator for the afternoon session. This is the first such symposium presented at an ACS meeting by this international committee.

A final report from IUPAC on the status of the long-term project "A critical review of the proposed definitions of fundamental quantities and their impact on the chemical communities" is due for imminent release. NTS will review and report on this project, and its impact on ACS.

Albert C. Censullo, Chair

David W. Ball  
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Ben B. Chastain  
Carmen J. Giunta  
Derek Horton (posthumous)  
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Warren H. Powell  
Jeffrey A. Rahn  
Michelle M. Rogers

Peter F. Rusch  
Jack Secrist  
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I. Patents and Related Matters  
(joint with Board)

The Committee on Patents and Related Matters (“CPRM”) provides ACS members and the general public with information about patents and other intellectual property issues. CPRM has created numerous educational materials, many of which provide guidance regarding second careers in the area of intellectual property. CPRM is in the process of updating its acclaimed publication, “What Every Chemist Needs To Know About Patents.” All of CPRM’s materials are available on its website.

CPRM also proposes nominations of notable inventors for external national awards recognizing the innovations and inventions of chemists. CPRM continues to monitor legislative and regulatory developments influencing intellectual property in ways that impact the chemical enterprise. In 2015, CPRM has expanded its focus to include technology transfer and sponsored research.

Over the past few years, CPRM has worked to help reform the patent system. With the recent passage of the America Invents Act, CPRM has focused on ensuring that the Patent Office effectively implements this new law, the most significant patent reform law in fifty years. To this end, CPRM compiled and submitted comments in response to the Patent Office’s Request for Comments on Patent Quality. In addition, CPRM has sought volunteers to provide technical training to patent examiners to ensure that the Patent Office has expertise in all areas of chemistry.

Finally, CPRM has recommended several outstanding nominees for the National Inventors’ Hall of Fame and the National Medal of Technology and Innovation. In addition, CPRM recommends nominees for the National Women’s Hall of Fame, the nation’s oldest membership organization recognizing the achievements of great American women. Inductees are selected every two years based on their lasting contributions to society through the arts, athletics, business, education, government, humanities, philanthropy and science.

CPRM has partnered with the Chemistry and the Law Division to provide patent-related programming at national and regional meetings. CPRM is exploring additional possible collaborative education efforts with ACS committees and divisions. If you are interested in working with us, please contact us at [Patents@acs.org](mailto:Patents@acs.org)

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William Gutheil  
Justin Hasford

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Bonnie Lawlor  
Joseph Mabry  
David Mitchell  
Eric S. Peterson

Xavier Pillai  
Suguna Rachakonda  
Sibel Selcuk  
Edlyn S. Simmons  
Sidney S. White

Carlyn Burton  
Jiwen Chen  
Joonhyung Cho

Associates  
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Ramesh Kumar  
Lisa Mueller

Howard Peters  
Jonathan Sessler

Consultant  
Hugh Dubb

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J. Professional Training  
(joint with Board)

At the March 2015 meeting, the Committee on Professional Training (CPT) evaluated 39 periodic reports from currently approved programs and held conferences with two departments beginning the process of applying for ACS approval. Site visit reports from four programs seeking approval were reviewed, and CPT approved three new programs. There are currently 680 colleges and universities offering ACS-approved bachelor's degree programs in chemistry.

The new 2015 ACS Guidelines for Bachelor's Degree Programs were approved at CPT's winter meeting and published on the ACS website in March. The major changes in this edition include increasing the minimum number of faculty from four to five, an expanded requirement for instrument holdings, increased flexibility in the contact hour requirement for faculty and laboratory instructors, increased expectations that programs promote a safety culture, and required coverage in the certified degree of two of the following systems: synthetic polymers, biological macromolecules, supramolecular aggregates, and meso- or nanoscale materials. At the March meeting, the committee voted to approve updated versions of the five disciplinary supplements to the ACS Guidelines covering analytical, biochemistry, inorganic, organic, and physical chemistry, which will be published on the ACS website.

The committee devoted a substantial portion of the spring meeting to reviewing and updating the various forms used to evaluate programs that are applying for approval and to the development of CPT's strategic plan for 2015-17. The committee discussed and supported the recommendations from the Task Force on International Chemistry Education that were directed to CPT for consideration. A draft of a supplement on developing international competencies as a critical student skill for 21st century chemists will be drafted for review at the next CPT meeting.

A subcommittee discussed strategies to improve the consistency of program reviews as the new guidelines are implemented and the membership of CPT changes. Members received an update on the plans for a CPT symposium on "Promoting Engaged Student Learning through the ACS Guidelines", which will be held at the ACS national meeting in Boston. A progress report was given on the status of the CPT survey of Ph.D. Recipients and the publication of the 9th edition of "Planning for Graduate Work in the Chemical Sciences". The committee finalized plans to meet with the Visiting Associates and Chairs of PhD departments at the ACS national meeting in Boston.

Thomas J. Wenzel, Chair  
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Ron W. Darbeau  
Bob A. Howell  
Jeffrey N. Johnston  
Kerry K. Karukstis

Laura L. Kosbar  
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K. Project SEED

Project SEED offers summer research opportunities for high school students from economically disadvantaged families. Since its inception, Project SEED has had a significant impact on the lives of nearly 9,700 students. This summer, more than 400 high school students were placed in over 100 academic, governmental, and industrial laboratories to do hands-on research in chemistry and related sciences under the supervision of scientists. This outstanding participation is made possible by contributions from industry, academia, local sections, ACS friends and members, and the Project SEED Endowment.

In April, the Project SEED Scholarship Subcommittee selected twenty one female students and seven male students, as well as five alternates, who were chosen from a group of 38 Project SEED alumni applicants, to receive up to \$5,000 in scholarship funds for their freshmen year in college (2015-2016 academic year). These scholarships are made possible by contributions from Alfred and Isabel Bader, and the following Endowments: Ashland Inc., Bayer Foundation, the Estate of Elizabeth Ernest Fosbinder, and Glenn and Barbara Ulyott.

The committee encourages all members to continue using the dues check-off option on their ACS membership renewal to support this exceptional program.

Anna G. Cavinato, Chair

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Angela Hoffman

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Michelle L. Rivard  
Brian A. Salvatore  
Jeffrey W. Seyler

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Omar E. Christian  
Susanne M. Lewis

Ajay V. Mallia  
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James Visintainer

Staff Liaison: Cecilia Hernandez

L. Public Relations and Communications  
(joint with Board)

The Joint Board-Council Committee on Public Relations and Communications (CPRC) continues to implement its strategic plan of 2014, with emphasis on engaging and assisting ACS units and members in effective communication and proactive public outreach. Several projects are underway that support the plan:

- CPRC and the Local Section Activities Committee are working together to prepare a webinar on communicating with the public about section events and activities. This will be delivered in the fall.
- At each national meeting CPRC and the Office of Public Affairs continue to provide coaching on how to “speak simply” about chemistry to non-scientists, at the Chemistry Ambassadors expo booth. Related tips and tools, and some before and after video snippets can be seen at [www.acs.org/chemistryambassadors](http://www.acs.org/chemistryambassadors).
- At the spring ACS meeting in Denver the committee hosted and judged a Speak Simply poster contest for undergraduates. This followed a workshop on how to effectively communicate about one’s work to non-scientists.
- As part of the ACS globalization efforts, CPRC has reached out to leaders of the Society’s international chapters, inviting them to dialog with us on challenges and best practices associated with communicating science to the public in their respective countries. We have also encouraged them to consider adopting the Chemistry Ambassador initiative for their members.
- The total number of ACS Chemistry Ambassadors now exceeds 10,000. CPRC hopes to more closely partner these outreach volunteers with their local sections, where there is mutual interest.
- CPRC continues to support local section efforts in public relations, but we have shifted our subcommittee structure to focus more on using technology, such as social media, to create tools and best practices, and less on emphasizing media relations. Any section that needs help communicating with public audiences is urged to contact CPRC staff liaison Nancy Blount for assistance, [n.blount@acs.org](mailto:n.blount@acs.org). Our committee members are also happy to serve as mentors for sections wishing to establish or expand their public relations efforts.

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Donald Hicks  
Lynn Hogue

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Milt Levenberg  
Doris I. Lewis  
Jennifer MacLachlan  
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Terence Edwin Say  
Brian G.R. Treco

Consultant  
Mike Lawrence

Staff Liaison: Nancy Blount

M. Publications  
(joint with Board)

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

The committee elected Nicole Sampson as vice chair, who will serve in that capacity for the period of March 20, 2015 to December 31, 2015.

The editorial monitoring reports for *ACS Synthetic Biology*, *Journal of the American Chemical Society* and *Journal of Organic Chemistry* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations were made. The next publications to be monitored will be *ACS Nano*, *Analytical Chemistry*, *Biochemistry* and the *Journal of Proteome Research*.

The Conference of Editors of ACS Publications was held in January 2015, chaired by Cynthia J. Burrows, Editor of *Accounts of Chemical Research*. The agenda for that meeting and an overview of the proceedings were shared with the committee. Topics included updates on operational issues and technology innovations across all aspects of the Society's publishing activities. A post-conference survey confirmed Editors found the Conference to be useful and the presentations from ACS leadership, ACS Publications staff and Editors to be informative.

*Chemical & Engineering News* (C&EN) won four 2014 Eddie and Ozzie Awards for its affiliated website and video work and marketing materials. C&EN launched a new electronic newsletter on March 19, 2015, which will be a weekly alert curated with a selection of the most interesting and significant stories including multi-media. The magazine is also collaborating with *ACS Central Science*, *Scientific American* and *Motherboard*.

Since its launch in March 2013, a combined total of 72,000 users have enrolled and visited the web, desktop, and mobile platforms of *ACS ChemWorx*.

Stephanie L. Brock, Chair

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Michael P. Doyle

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Tatyana E. Polenova  
Charles H. Reynolds  
John N. Russell

Nicole S. Sampson  
Gary B. Schuster  
Richard V. Williams

Associates  
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David A. Dixon  
Jerzy Klosin  
Julia Laskin

Staff Liaison: Brian D. Crawford

N. Senior Chemists  
(joint with Board)

This marks the third anniversary of the Senior Chemists Committee (SCC) as a joint Board-Council Committee. Much of the first year involved organizational efforts and putting infrastructure in place. The second year was spent in establishing basic initiatives. Now in our third year we are addressing more complex issues. As a result of our very successful newsletter we are hearing from large numbers of senior chemists who have issues that they want the SCC to address - it is as if the flood gates have opened. These are as wide ranging as asking the ACS to establish senior dues, asking universities to invite them to seminars, finding them jobs, more active relationships for retirees with their former employers and a host of similar requests.

Obviously, neither the SCC nor the ACS can be all things for all members. However, this spectrum of suggestions well illustrates the wisdom of establishing this committee. We have tapped into a wellspring of perceived needs from a demographic which, heretofore, had been largely silent. Over the next several years, the SCC will more thoroughly explore and investigate the feasibility this multitude of desires and propose possible solutions to the Board and Council.

George E. Heinze, Chair

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Roger F. Bartholomew  
Thomas R. Beattie  
Dennis Chamot

Michaeline F. Chen  
Donald D. Clarke  
Catherine E. Costello  
Allen A. Denio  
Susan R. Fahrenholtz

Lynn G. Hartshorn  
Richard A. Hermens  
Robert S. Moore  
Eli Pearce (posthumous)  
Edel Wasserman

Associates  
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William H. Daly  
Herbert S. Golinkin  
Thomas R. Hays  
Claude A. Lucchesi  
Joseph A. Potenza

Staff Liaison: Cheryl H. Brown

O. Technician Affairs

The Committee on Technician Affairs (CTA) works through ACS governance channels to advance the careers of analysts, operators, technicians, and other applied chemical professionals. CTA works toward three goals:

- Increase the awareness of the important contributions that chemistry-based technicians make to the national economy and to society as a whole
- Make technicians relevant to ACS
- Make ACS relevant to technicians

In 2015, after the Committee on Technician Affairs met in Dallas they have been working on a brochure to promote the committee and its awards to members of the Society and to the public.

CTA is now accepting nominations for the 2016 National Chemical Technician Award. Nomination packets for 2015 nominees are due by September 30, 2015. For more information about the NCTA visit [www.acs.org/ncta..](http://www.acs.org/ncta..)

CTA will be holding an official meeting at the ACS Fall meeting in Boston. It will be held on Sunday, August 16th at the Boston Sheraton the official governance hotel. The committee will hold its open session from 2:30 – 3:00 pm.

CTA's is proud to sponsor a new ChemLuminary Award for the Best Activity for the Applied Chemical Technology Professional Community. The award will recognize an event that was held in 2014 and will be presented for the second time at the 2015 Fall National Meeting in San Francisco.

If additional information is needed on the Committee on Technician Affairs or regarding this report they may contact the CTA Staff Liaison, Victoria Fuentes at [v\\_fuentes@acs.org](mailto:v_fuentes@acs.org).

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Greglynn Gibbs  
Ruth Hathaway

Rabin Lai  
Shunta Land  
Elmer Ledesma  
Eugenia Narh

Donna Neal  
Richard Partch  
Susan Perz  
Janet Smith  
Mark Thomson

Associates

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Joseph C. Christy-Saviano, III  
Bryan K Franklin  
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John Palmer  
Aimee L. Tomlinson

Staff Liaison: Victoria Fuentes

P. Women Chemists  
(joint with Board)

For 2015, the Women Chemists Committee (WCC) has been quite busy attracting, promoting, retaining and advocating for women chemists. Described here are some highlights of our efforts.

At the Fall National Meeting in Boston, the Women in the Chemical Enterprise Breakfast on Monday, August 17<sup>th</sup> will host Maya Ollsen, who will introduce the topic of managing transitions. Immediately following the breakfast there will be a symposium that will continue the discussion of “Managing Transitions.” This half-day morning session will be broken in to two parts, “After School: Diverse Paths in the Chemical Enterprise” and “Life’s Ups and Downs: Changing Directions, Switching Employers, and other Mid-career Challenges.”

In the afternoon, we invite everyone to attend the Women in Innovation Symposium organized by Division of Professional Relations (PROF), which will be followed by the WCC networking reception, “Just Cocktails.” It promises to be quite an inspiring and informative day.

On Tuesday morning the WCC will recognize the recipients of the 2015 Fall Eli Lilly/WCC Travel Award during the poster session. Following the poster session will be the WCC Luncheon and I am excited to announce that we will hear from Dr. Kathryn Uhrich, a Professor in the Department of Chemistry and Chemical Biology at Rutgers University, and founder of Polymerix Corporation.

Looking to the future the Awards Task Force of the WCC is focusing its energy on increasing the number of women nominated and eventually awarded ACS National Technical Awards. We are in the planning stages of developing a webinar on the topic, “How to create a successful nomination package.” We appreciate this opportunity to provide women with information about the award process and the nomination process, in an effort to increase the number of women award winners.

The WCC in collaboration with Springer, is in the process of creating the second edition of the book, “Mom the Chemistry Professor.” It promises to be a diverse collection of personal accounts and advice from chemistry professors who are mothers.

Finally, we are pleased to announce a new Research Award sponsored by Merck & Co. and administered by the WCC. It was designed for female graduate students entering their 3<sup>rd</sup> and 4<sup>th</sup> year in the areas of Organic, Medicinal, Analytical, Computational, or Structural Chemistry and related disciplines. Up to eight women will be chosen to present their research at the 2016 Fall ACS National Meeting. The application deadline is December 1, 2015. Through this program, WCC and Merck continue to support women in the chemical sciences. Look for more details soon on our website- <http://www.womenchemists.sites.acs.org>

Amber Charlebois, Chair

Samina Azad  
Novella N. Bridges 5  
Christine S. Chow  
Amy C. DeBaillie  
Kelly M. George

Lisa Houston  
Judith M. Iriarte-Gross  
Maureen A. Kane  
Ellen A. Keiter  
Amy Nicely

Bevin W. Parks  
Laura S. Sremanak  
Gail H. Webster  
Kimberly A. Woznack

Amy M. Balija  
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Nahid Mohajeri

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Misty D. Rowe  
Dawn A. Shaughnessy  
Mary Jane Shultz  
Ean Warren

Staff Liaison: Brittny Johnson

Q. Younger Chemists  
(joint with Board)

The Younger Chemists Committee (YCC) met in Denver, CO on March 21-22, 2015. YCC continues to promote its vision to lead younger chemists into successful careers and active roles in ACS and the profession. A few representatives from the Northeast Local Section were able to join the YCC meeting and we look forward to collaborating with them in Boston.

The YCC has been rapidly expanding the Webinar-in-a-Box as prepared and pre-planned events for local section engagement. The most recent event was “Love Potion #9: The Chemistry of Scent & Fragrance,” with the next event taking place on October 7, “Speaking Simply: Communicating Your Science.” Each of these events are highly-attended by thousands of ACS members and are individually hosted by local sections and student chapters across the country. The Webinars are further enhanced and expanded by integrating live Twitter feeds and the occasional Storify site. Please contact your local section chair to find out more about hosting a Webinar-in-a-Box program.

Partnerships are a vital part of the YCC’s mission, and as such, we continue to strengthen our liaisonship program, placing YCC members in other committees and divisions as well as welcoming those groups into YCC meetings. Please let us know if you have a program or idea where the YCC can help! At the Boston meeting, we will deploy an information submission form to streamline media proposals for posting on the YCC social networks. More information will be available soon. The YCC is always looking for new ways to get younger chemists involved in ACS. At the 250<sup>th</sup> ACS National Meeting in Boston, MA, we will host our 11<sup>th</sup> Annual Fun Run, sponsored by ACS Member Insurance on Monday, August 17<sup>th</sup> at 7:00 am.

We invite you to visit the YCC website (<http://ycc.sites.acs.org/>), which has been updated with new content and features, focusing on relevant award and career information. We have also extended our online presence to many social networks such as the ACS Network, Facebook, LinkedIn, and Twitter (@ycc\_acs), to engage more young chemists. Join us!

Douglas B. Hausner, Chair

Juan Aponte-Santini  
Ashley Blystone  
Jenifer Braley  
Jens Breffke  
Jakoah Brgoch  
Stephen Canham

Alexander Gavrilenko  
Jasmine Hunt  
Natalie LaFranzo  
Wasiu Lawal  
Kathryn Leach  
Taina Matos

Christine McInnis  
Lisa Nogaj  
Artrease Spann  
Joelle Wells  
Uzma Zakai

Rajeev Chorghade  
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Navneet Goyal  
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